

**TAKE NOTICE THAT A REGULAR MEETING
OF THE BOARD OF COMMISSIONERS
OF THE CITY OF PHARR, TEXAS
WILL BE HELD AT CITY HALL, COMMISSIONERS' ROOM,
118 S. CAGE BLVD., 2ND FLOOR, PHARR, TEXAS
COMMENCING AT 4:00 PM ON
MONDAY, FEBRUARY 1, 2021**

The City of Pharr has called this meeting as allowed pursuant to Texas law, city charter, and city ordinances. The governing body may recess from day to day when it does not complete consideration of a particularly long subject as authorized by law. All persons desiring to address the governing body must register with the presiding city clerk prior to the scheduled meeting.

In accordance with social distancing guidelines, public meetings will be held in a manner intended to separate, to the maximum practical extent, audience and presenters from personal contact with members of community, city staff, and city council. The meeting will be held via videoconference and broadcast at <http://www.pharr-tx.gov>

1. CALL TO ORDER:

- A) Roll call and possible action on the excusing of any absent member of the governing board.
- B) Pledge of Allegiance/Invocation

2. PUBLIC TESTIMONY: (Ordinance No. O-2019-45). A person intending on addressing the governing body may speak at a scheduled meeting of the governing body following registration with the presiding clerk and prior to the scheduled meeting. A registered speaker may speak only on items on the agenda and may not exceed 1.5 minutes when addressing the board regarding an agenda item. A registered speaker may not donate time to another speaker. A sign-in form for public testimony shall be promulgated by the presiding clerk and be made available at the city clerk's office. A person may sign up for public testimony beginning at the time the agenda is posted for the meeting. A person may not sign up later than one hour before the posted meeting is scheduled to begin. No registered speaker may be allowed to speak regarding an item once the public testimony portion of the agenda has ended.

3. CITY MANAGER'S REPORTS: (City Manager's Administrative Reports and discussion, if any, with governing body. The City Manager may also assign a designated spokesperson for any particular listed topic)

- A) City Engineer's Report.
- B) Submission of 1st Quarter 2020-2021 City of Pharr Investment Report.

4. CONSENT AGENDA: (All items listed under consent Agenda are considered to be routine and non-controversial by the Governing Body and will be enacted by one motion. Any Commissioner may remove items from the consent agenda by making such request prior to a motion and vote on the Consent Agenda)

AGENDA REGULAR MEETING
February 1, 2021

- A) Approval of Minutes for January 18, 2021 Regular Called Meeting. (ADMINISTRATION)
- B) Consideration and action, authorizing City Manager to advertise for Request for Proposals for Professional Planning Consulting Services to update our existing land use regulations to a Unified Development Code (UDC). (DEVELOPMENT SERVICES)
- C) PLATS:
 - 1. Melden & Hunt Inc., representing Zaed Virgen, Manager for Flag Polk, L.L.C., a Texas limited liability company, is requesting final plat approval of the proposed BGRR MIDTOWN Subdivision. The property is legally described as being a Re-subdivision of 7.906 acres out of Lots 2 and 3, Block D, Kelly-Pharr Subdivision, Pharr, Hidalgo County, Texas. The property's physical address is 601 West Polk Avenue. **SUB#191227** (DEVELOPMENT SERVICES)
 - 2. Melden & Hunt, Inc., representing Erickson Construction, LLC., of West Oak Villages Development, LLC, is requesting final plat approval of the proposed West Ridge Estates Phase 3 Subdivision. The property is legally described as being a 19.091 acres out of Lot 91, Kelly-Pharr Subdivision, Pharr, Hidalgo County, Texas. The property is located at the 500 Block of West Minnesota Road. **SUB#190717** (DEVELOPMENT SERVICES)

REGULAR AGENDA - OPEN SESSION:

5. ORDINANCES AND RESOLUTIONS:

- A) Consideration and action, if any, on Ordinance amending Ordinance No. O-2006-47 Standards Manual Construction and Development Guide. (ENGINEERING)
- B) Consideration and action, if any, on Resolution adopting the updated City Fiscal Policies. (FINANCE)
- C) Consideration and action, if any, on Resolution executing an Advance Funding Agreement (AFA) with the Texas Department of Transportation (TxDOT) for the Ag Lab, CSJ: 0921-02-433. (ENGINEERING)
- D) Consideration and action, if any, on Resolution authorizing the City of Pharr to participate with cities as a party in AEP Texas, Inc.'s filing, PUC Docket No. 51671. (ADMINISTRATION)

6. ADMINISTRATIVE:

- A) Consideration and action, if any, amending the Professional Architect Rotation List for Architectural Projects. (ENGINEERING)

7. PURCHASING:

- A) Consideration and action, if any, on acquisition of Hidalgo County Irrigation District No. 2 easement. (DEVELOPMENT SERVICES)

AGENDA REGULAR MEETING
February 1, 2021

- B) Consideration and action, if any, on the purchase of an MX908 Handheld Chemical Identification System from FARRWEST out of Schertz, TX through Buy-board Contract # 603-20 for a price of \$65,018.25 from a State Homeland Security SHSP Grant. (FIRE)
- C) Consideration and action, if any, on the purchase of a Pierce Custom Enforcer Pumper and a Skeeter Ford F 550 Type 5 Brush Truck from Siddons-Martin Emergency Group, LLC out of Denton, TX using BuyBoard # 571-18 for a total price of \$801,161.15 for the Fire Department. (FIRE)

8. CONTRACTS/AGREEMENTS:

- A) Consideration and action, if any, authorizing City Manager to enter into a contract with South Texas College (STC) to provide training to staff during Pharr University 2021. (HR)
- B) Consideration and action, if any, on award of contract for the City of Pharr Various Parking Lot Improvements Project (ENGINEERING)
- C) Consideration and action, if any, authorizing City Manager to negotiate and enter into a contract with Javier Hinojosa Engineering for Professional Engineering Services for the design and project administration of the South Regional Detention Facility and Drainage Improvement Project (ENGINEERING)
- D) Consideration and action, if any, authorizing City Manager to negotiate and enter into a contract with CobbFendly for Professional Engineering Services for the design and project administration of the City Wide Fiber Optic Project. (ENGINEERING)

9. CLOSED SESSION: *In accordance with Chapter 551 of the Texas Gov't. Code, the Pharr Board of Commissioners hereby gives notice that it may meet in a closed (non-public) executive session to discuss the items listed on the public portion of the meeting agenda in accordance with the following below:*

Pursuant to Section 551.071, the Board may convene in a closed, non-public meeting with its attorney and discuss any matters related to **legal advice on pending or contemplated litigation, settlement offer, and/or on a matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with this chapter.** The City and its attorney may also discuss such issues with the appropriate staff so as to obtain necessary and relevant information so that such discussion is informative and developed.

AGENDA REGULAR MEETING
February 1, 2021

Pursuant to Section 551.072, the Board may convene in a closed, non-public meeting to discuss any matters related to **real property and deliberate the purchase, exchange, lease, or value of real property as such would be detrimental to negotiations between the City and a third party in an open meeting.** The City and its attorney may also discuss such issues with the appropriate staff so as to obtain necessary and relevant information so that such discussion is informative and developed.

Pursuant to Section 551.074, the Board may convene in a closed, non-public meeting to discuss any matters related to **appointment, employment, evaluation, reassignment, duties and discipline or dismissal of a public officer or employee and to hear any complaints or charges against an officer or employee.** The City and its attorney may also discuss such issues with the appropriate staff including members so as to obtain necessary and relevant information so that such discussion is informative and developed.

Pursuant to Section 551.076, the Board may convene in a closed, non-public meeting to discuss any matters on the **deployment, or specific occasions for implementation, of security personnel or devices.** The City and its attorney may also discuss such issues with the appropriate staff so as to obtain necessary and relevant information so that such discussion is informative and developed.

Pursuant to Section 551.084, the Board may convene in a closed, non-public meeting to discuss any matters involving an **investigation and may exclude a witness from hearing during the examination of another witness in the investigation.** The City and its attorney may also discuss such issues with the appropriate staff so as to obtain necessary and relevant information so that such discussion is informative and developed.

Pursuant to Section 551.087, the Board may convene in a closed, non-public meeting to discuss any matters regarding **economic development issues.** The City and its attorney may also discuss such issues with the appropriate staff so as to obtain necessary and relevant information so that such discussion is informative and developed.

10. RECONVENE: *into Regular Session and consider action, if necessary, on any items(s) discussed in closed session.*

11. ADJOURNMENT:

NOTICE OF ASSISTANCE AT THE PUBLIC MEETING

City Hall is wheelchair accessible and accessible parking spaces are available. Requests for accommodations or interpretive services must be made 48 hours prior to this meeting. Please contact the City Clerk's Office at 956/402-4100 ext. 1003/1007 or FAX 956/702-5313 or E-mail hilda.pedraza@pharr-tx.gov or imelda.barrera@pharr-tx.gov for further information. Braille is not available.

I, the undersigned authority, do hereby certify that the above notice of said Regular Meeting of the City Commission of the City of Pharr was posted on the bulletin board at City Hall and on the City's web page at www.pharr-tx.gov. This Notice was posted on the 29th day of January 2021 at 3:30 p.m. and will remain posted continuously for at least 72 hours preceding the scheduled time of said Meeting, in compliance with Chapter 551 of the Government Code, Vernon's Texas Codes, Annotated (Open Meetings Act).

AGENDA REGULAR MEETING
February 1, 2021

WITNESS MY HAND AND SEAL, this 29th day of January 2021





HILDA PEDRAZA, TRMC, CMC
CITY CLERK

I certify that the attached notice and agenda of items to be considered by the City Commission was removed from the bulletin board of City Hall on the _____ day of _____, 20____ by,

Title: _____



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 3.A.

DATE SUBMITTED: January 28, 2021

MEETING DATE: February 1, 2021

FROM: Omar Anzaldua, City Engineer

DEPARTMENT: Engineering

DIRECTOR: Omar Anzaldua

Agenda Item: City Engineer's Report

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: City Engineer's Report

Fiscal Consideration: N/A

Staff Recommendation: N/A

Alternatives: N/A

Exclude Material from Public Packet? No

Reason: N/A

ROUTING:

Omar Anzaldua

Omar Anzaldua

City Management Office

Created/Initiated - 1/28/2021

Approved - 1/28/2021

Final Approval - 1/29/2021

CONSTRUCTION PHASE

Project Name:	City Hall Remodeling		
Engineer	City of Pharr		
Contractor	NM Contracting		
Contract Amount to Date	\$2,349,203	Contract Time (Days)	207
Notice to Proceed	7/23/2020	Contract Time Used:	91.30%

Description: A complete interior renovation of the first floor of City Hall.

Status: Construction is ongoing.

Pictures: Stairs and walls are in place.



CONSTRUCTION PHASE

Project Name:	Pharr Bridge Office Expansion Ph II		
Engineer	The Warren Group Architects Inc.		
Contractor	International Consulting Engineers (ICE)		
Contract Amount to Date	\$1,316,952	Contract Time (Days)	240
Notice to Proceed	TBD	Contract Time Used:	#VALUE!
Description:			
Status: Contract is being executed			



CONSTRUCTION PHASE

Project Name:	Aquatic Facility (Project No. 1819-35-510-C011-051)		
Architect	The Warren Group Architects		
Contractor	D. Wilson Construction		
Contract Amount to Date	\$23,165,208.00	Contract Time (Days)	550
Notice to Proceed	11/1/2019	Contract Time Used:	82.55%
Description: The project is a fully enclosed olympic natatorium and diving pool with support facilities. Building area is approximatley 70,400 S.F.			
Status: Construction is ongoing.			
Pictures: Structural forms are in place, and is ongoing.			
			

CONSTRUCTION PHASE

Project Name:	Jones Box Park Phase 2 West Expansion (Project No. 1920-01-528-C003-210)		
Engineer	R. Guitierrez Engineering Corporation		
Contractor	Vensor Contractors, LLC		
Contract Amount to Date	\$299,214.24	Contract Time (Days)	170
Notice to Proceed	2/6/2020	Contract Time Used:	210.00%

Description: This project will consist of utility improvements.

Status: Substantial completion.

Picture: The project has reached sunstantial completion and is ready for closeout.



CONSTRUCTION PHASE

Project Name:	City Wide Ditch Widening Project		
Engineer	Sigler Winston Greenwood		
Contractor	Saenz Brothers		
Contract Amount to Date	\$2,472,500.00	Contract Time (Days)	145
Notice to Proceed	9/10/2020	Contract Time Used:	96.55%
Description: City Wide Ditch Widening			
Status: Construction is ongoing			
Pictures: Ditch behind Habitat Circle and ditch behind IDEA Owassa with widening completed			
			
			

CONSTRUCTION PHASE

Project Name:	Pharr/Reynosa International Bridge Northbound Lane Expansion & 2nd BSIF Exit		
Engineer	TEDSI Infrastructure Group		
Contractor	Jimenez Engineering Solutions		
Contract Amount	\$7,946,724.38	Contract Time (Days)	360
Notice to Proceed	9/8/2020	Contract Time Used:	39.44%

Description: The addition of a northbound truck lane, a superwide north roadway, and a new exit truck lane to the BSIF facility with new secondary inspection booths.

Status: Construction is ongoing

Pictures: Compaction of lifts have been completed on the northbound lane



CONSTRUCTION PHASE

Project Name:	Northside Community Center		
Architect	The Warren Group Architects		
Contractor	Davila Construction		
Contract Amount		Contract Time (Days)	
Notice to Proceed	9/8/2020	Contract Time Used:	#DIV/0!
Description: Construction of utilities have started with storm sewer line and the installation of a manhole at the entrance.			
Status: Construction is ongoing			
Pictures: Contractor is currently working on building pad and installing utilities.			





City of Pharr Investment Report 1st Quarter FY 2020-2021



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City of Pharr, TX

Investment Report Summary

December 31, 2020



COMPLIANCE

This report complies with the requirements of the Public Funds Investment Act as well as the City of Pharr's adopted investment policy. The City is in compliance with all provisions of the Public Funds Investment Act and the City of Pharr's investment policy. The City's investment portfolio includes activity in demand deposits only, there are no other investment tools currently being utilized.

LIQUIDITY

The greatest length of maturity for all of our investments is 508 days. The weighted average maturity including demand deposits is 4.33 day and 3.43 day without demand deposits. Both of these amounts are within legal and City requirements.

CHANGE IN BOOK AND MARKET VALUE

The investment book value was roughly **\$64.63 million** and had decreased by approximately -\$11.46 million from the previous quarter. This decrease is mainly due to the cash outflow of capital construction accounts.

PORTFOLIO YIELD

The portfolio yield of 1.14% was higher than the benchmark yields on the six month T-Bill and Average Federal Funds Rate, which were 0.09% and 0.09% respectively (per Federal Reserve website yield postings). The spread between the portfolio yield and the benchmark yield is mainly due to the depository's favorable interest rate. Safety and liquidity is a greater concern than yield.

INVESTMENT MATURITIES/PURCHASES

There were no investments that were purchased or matured during the quarter. All other transactions were routine. The attached schedules are also a part of this investment report.

Karla Saavedra, CGFO
Finance Director



City of Pharr, TX

Comparison of Portfolio to Policy Limits

as of December 31, 2020

Limits on Types of Securities	Target Investment Level	Portfolio Cap	Actual Percentage of Portfolio	Positive/(Negative) % Variance Policy Limits
Demand Deposits	N/A	N/A	98.83%	N/A
Certificates of Deposits	10%	30%	0.95%	29.05%
U.S. Treasury Obligations	30%	80%	0.00%	80.00%
U.S. Government Securities	30%	50%	0.00%	50.00%
Public Funds Investment Pools	30%	80%	0.22%	79.78%

Limits on Maturities	Minimum Allowable % of Portfolio	Actual Percentage of Portfolio	Positive/(Negative) % Variance Policy Limits
Available within 1 month	25%	98.83%	73.83%
Available within 3 months	33%	99.05%	66.05%
Available within 6 months	50%	99.05%	49.05%
Available within 1 year	70%	99.05%	29.05%
Available within 2 years	100%	100%	N/A

	Maximum Allowable	Maximum Actual Maturity	Policy Limit Days Available
Days to Maturity	730	508	222

City of Pharr, TX Market Value Analysis December 31, 2020

Beginning Value-September, 2020

\$76,097,719

Investment Activity:

Purchases

7,818

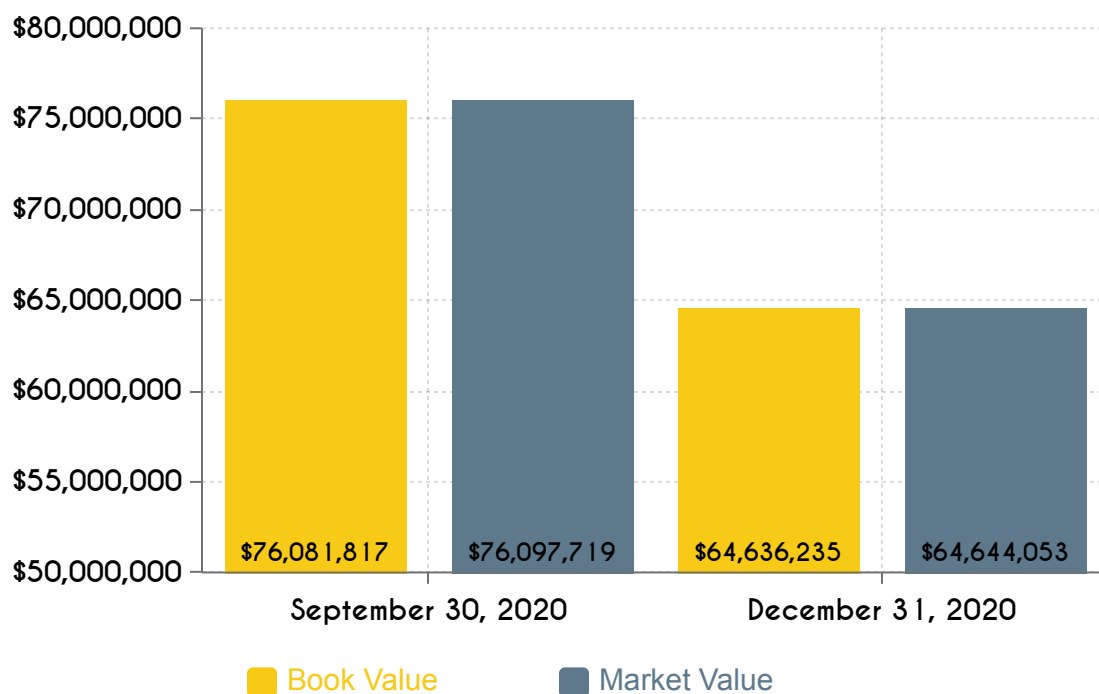
Net Changes in Market Price

Bank and Pooled Investment Deposits/(Withdrawals)-Net

(\$11,461,484)

Ending Value-December 31, 2020

\$64,644,053





98.83%

or \$63.88 Million
in Demand Deposits
at Lone Star National Bank
at 1.25% YTM



.95%

or \$616,174 thousand
in Certificates of Deposit
at Lone Star National Bank
at 1.5% YTM



.22%

or \$143,298 thousand
in Investment Pool at TexPool
2.10% YTM

4.33

Weighted Average Days to
Maturity

3.43

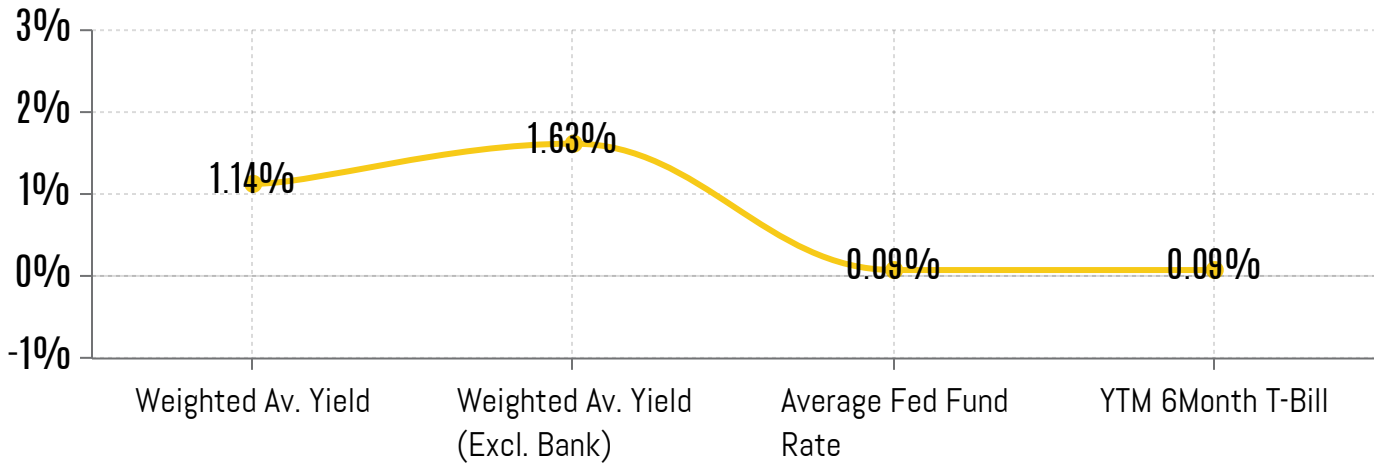
Weighted Average Days to
Maturity-(Excl. depository bank)

City of Pharr, TX

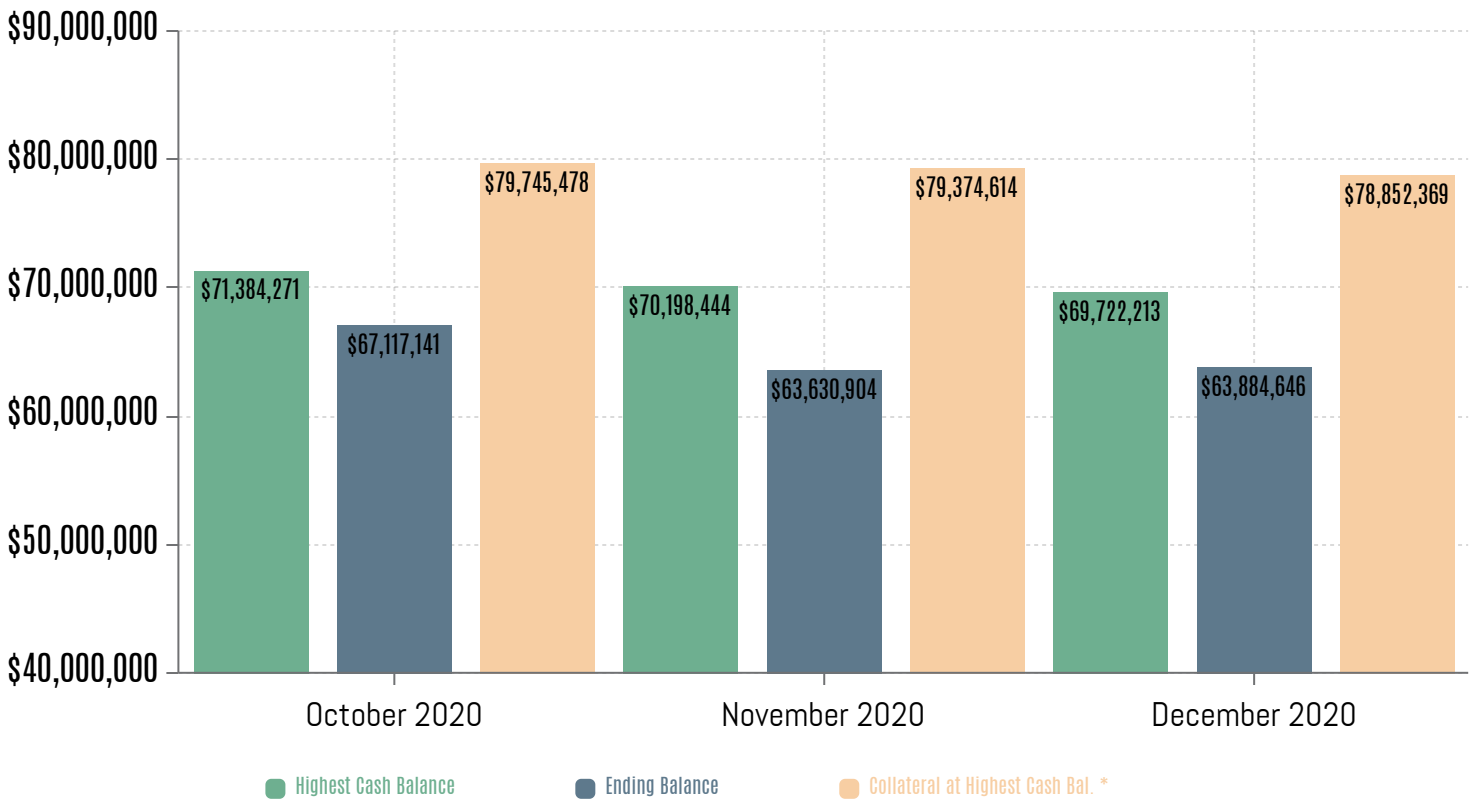
Market Value Analysis

December 31, 2020

Benchmark Rates



Depository Security Collateral Analysis



* Calculated as percentage above highest cash balance per LSNB



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 4.A.

DATE SUBMITTED: January 25, 2021

MEETING DATE: February 1, 2021

FROM: Hilda Pedraza, City Clerk

DEPARTMENT: Administration

DIRECTOR: Edward Wylie

Agenda Item: Approval of Minutes for January 18, 2021 Regular Called Meeting.

Classification: Consent

(* If closed session, City Attorney must review and approve.)

Issue: Minutes for meeting held on Monday, January 18, 2021 at 4:00 p.m.

Fiscal Consideration: N/A

Staff Recommendation: Staff recommends approval

Alternatives: N/A

Exclude Material from Public Packet? No

Reason: No

ROUTING:

Hilda Pedraza
City Management Office

Created/Initiated - 1/25/2021
Final Approval - 1/29/2021

**MINUTES
BOARD OF COMMISSIONERS
REGULAR CALLED MEETING
MONDAY, JANUARY 18, 2021
118 SOUTH CAGE 2nd FLOOR**

The Board of Commissioners of the City of Pharr, Texas, met in a Regular Called Meeting on Monday, January 18, 2021 and following is the record of attendance.

BOARD OF COMMISSIONERS PRESENT: Mayor Ambrosio Hernandez
Comm. Eleazar Guajardo
Comm. Ramiro Caballero
Mayor Pro Tem Roberto “Bobby” Carrillo
Comm. Daniel Chavez
Comm. Ricardo Medina
Comm. Itza Flores

BOARD OF COMMISSIONERS ABSENT: None

STAFF PRESENT: Edward Wylie, Interim City Manager
Hilda Pedraza, ACM / City Clerk
Omar Anzaldua, City Engineer
Karla Saavedra, Finance Director
Veronica Ramirez, HR Director
Criselda Rincon, Municipal Court Judge
Andrew Harvey Jr., Police Chief
Leonardo Perez, Fire Chief
Melanie Cano, Development Services Dir.
Pilar Rodriguez, Interim Public Works Dir.
Ruben Rosales, Public Utilities Director
Sergio Alanis, Parks & Rec. Director
Cynthia Garza, External Affairs & CDBG Dir.
Adolfo Garcia, Library Director
Jose Pena, I.T. Director
Luis Bazan, Bridge Director
Ignacio Amezcua, Purchasing Director
Daniel Ramirez, Communications Director
Lisa C. Salinas, Chamber President

CITY ATTORNEY Patricia Rigney, City Attorney

ITEM 1. CALL TO ORDER

A) ROLL CALL AND POSSIBLE ACTION ON THE EXCUSING OF ANY ABSENT MEMBER OF THE GOVERNING BOARD

Mayor Hernandez called the meeting to order at 4:00 p.m. Roll call established a quorum.

B) PLEDGE OF ALLEGIANCE/INVOCATION

Luis Bazan, Bridge Director, led in the pledge of allegiance and said the invocation.

ITEM 2. PUBLIC TESTIMONY

Ed Wylie, Interim City Manager, opened the public testimony.

Jesus Mendoza signed-up for Public Testimony via-telephone but his testimony was irrelevant to any matters listed on agenda.

ITEM 3. CITY MANAGER'S REPORTS

Ed Wylie, Interim City Manager, called upon Jesus Pineda from the Veterans of Foreign Wars (VFW).

Jesus Pineda, Commander for Post #10712, thanked the Commission for the building provided by City of Pharr to Veterans of Foreign Wars. He stated they were very grateful and now they had a permanent location for their regular meetings.

A) SUBMISSION OF SALES TAX COLLECTION REPORT FOR JANUARY 2021

Ed Wylie, Interim City Manager, reported the City of Pharr had an increase of 10.6% for the month compared to last year and stated the City of Pharr was 6th place in the valley in sales tax.

B) SUBMISSION OF PROPERTY TAX COLLECTION REPORT FOR DECEMBER 2020

Ed Wylie, Interim City Manager, reported the City of Pharr had an increase of 1.46% in tax collection and an increase of .42% in delinquent collections for the month compared to last year.

ITEM 4. CONSENT AGENDA

A) APPROVAL OF MINUTES FOR DECEMBER 7, 2020 REGULAR CITY COMMISSION MEETING, DECEMBER 21, 2020 REGULAR CALLED MEETING, AND JANUARY 4, 2021 REGULAR CALLED MEETING (ADMINISTRATION)

B) CONSIDERATION AND ACTION, IF ANY, ON RESOLUTION AUTHORIZING CITY OF PHARR TO SUBMIT APPLICATION FOR THE OPERATION STONEGARDEN GRANT PROGRAM FY2020 TO THE OFFICE OF THE GOVERNOR HOMELAND SECURITY GRANTS DIVISION. GRANT #3173106 / OPSG-2020 (POLICE)

Ed Wylie, Interim City Manager, introduced the item and recommended approval of consent agenda.

Comm. Guajardo **moved** to approve as recommended. Comm. Chavez seconded the motion and when put to a vote, it carried unanimously.

Resolution No. R-2021-01 is filed with the City Clerk's Office.

REGULAR AGENDA - OPEN SESSION

ITEM 5. ORDINANCES AND RESOLUTIONS

- A) CONSIDERATION AND ACTION, IF ANY, ON ORDINANCE CALLING THE CITY OF PHARR GENERAL MUNICIPAL ELECTION FOR MAY 1, 2021, FOR ELECTION OF CITY COMMISSIONERS PLACES 2, 3, AND 4 AND DESIGNATING ELECTION PRECINCTS AND POLLING PLACES. (CONSIDERACIÓN Y ACCIÓN, EN ORDENANZA PARA ORDENAR LA ELECCIÓN MUNICIPAL GENERAL DE LA CIUDAD DE PHARR EL 1 DE MAYO DE 2021, PARA ELEGIR COMISIONADOS LUGARES 2, 3, Y 4, Y LA DESIGNACIÓN DE DISTRITOS ELECTORALES Y CENTROS DE VOTACIÓN) (ADOPTION ON 1ST READING) (ADMINISTRATION)**

Ed Wylie, Interim City Manager, introduced the item and went over the changes in polling locations. He stated the Pharr City Hall would be replacing the Pharr Memorial Library, Nomad Shrine Club would be replacing the Pharr Housing Authority and the northeast area was being replaced with Plaza Sports Center. He further recommended approval.

Comm. Guajardo **moved** to approve as recommended. Comm. Chavez seconded the motion and when put to a vote, it carried unanimously.

Ordinance No. O-2021-04 is filed with the City Clerk's Office.

- B) CONSIDERATION AND ACTION, IF ANY, ON ORDINANCE AMENDING ORDINANCE NO. O-2020-35 FOR BUDGET AMENDMENTS TO THE FISCAL YEAR 2020-2021 BUDGET (ADOPTION ON 1ST READING) (FINANCE)**

Ed Wylie, Interim City Manager, introduced the item and briefly stated amendment was needed for additional staff and Christmas bonuses to city employees. He further recommended approval.

Comm. Guajardo **moved** to approve as recommended. Comm. Chavez seconded the motion and when put to a vote, it carried unanimously.

Ordinance No. O-2021-05 is filed with the City Clerk's Office.

C) CONSIDERATION AND ACTION, IF ANY, ON RESOLUTION APPOINTING/RE-APPOINTING A REPRESENTATIVE AND AN ALTERNATE FOR AMIGOS DEL VALLE BOARD OF DIRECTORS FOR FISCAL YEAR 2020-2021.(TABLED) (ADMINISTRATION)

Ed Wylie, Interim City Manager, introduced the item and recommended the item be untabled.

Comm. Guajardo **moved** to untable item. Comm. Carrillo seconded the motion and when put to a vote, it carried unanimously.

Ed Wylie, Interim City Manager, recommended Comm. Ricardo Medina as Representative for Amigos Del Valle Board.

Comm. Carrillo **moved** to appoint Comm. Medina as representative for Amigos Del Valle Board of Directors. Comm. Chavez seconded the motion and when put to a vote, it carried unanimously.

Resolution No. R-2021-02 is filed with the City Clerk's Office.

D) CONSIDERATION AND ACTION, IF ANY, ON RESOLUTION APPOINTING/RE-APPOINTING ONE (1) REGULAR MEMBER TO THE TIERRA DEL SOL GOLF CLUB ADVISORY BOARD (PARKS)

Ed Wylie, Interim City Manager, introduced the item and recommended reappointment of Juan Willingham.

Comm. Carrillo **moved** to reappoint Juan Willingham to the Tierra Del Sol Golf Club Advisory Board. Comm. Guajardo seconded the motion and when put to a vote, it carried unanimously.

Resolution No. R-2021-03 is filed with the City Clerk's Office.

ITEM 6. ADMINISTRATIVE

A) CONSIDERATION AND ACTION, IF ANY, ON ECONOMICALLY DISADVANTAGED COUNTY (EDC) PROGRAM APPLICATION FOR I ROAD, FROM RANCHO BLANCO ROAD TO MILITARY HIGHWAY (US 281) (ENGINEERING)

Ed Wylie, Interim City Manager, introduced the item. He stated the total project cost was \$11.6 million and the City of Pharr's participation was reduced from 20% (\$2.4 million) to 8% (\$935,886.88) for a total adjustment of 60%. He further recommended approval.

Comm. Carrillo **moved** to approve as recommended. Comm. Guajardo seconded the motion and when put to a vote, it carried unanimously.

B) CONSIDERATION AND ACTION, IF ANY, ON RELEASE OF \$9,376.50 FOR A NEW TOTAL FINAL PAYMENT AND RETAINAGE IN THE AMOUNT OF \$80,796.38, TO INTERNATIONAL CONSULTING ENGINEERS FOR THE INTERNATIONAL BRIDGE FACILITY EXPANSION & RENOVATIONS PROJECT (ENGINEERING)

Ed Wylie, Interim City Manager, introduced the item and recommended approval.

Comm. Carrillo **moved** to approve as recommended. Comm. Guajardo seconded the motion and when put to a vote, it carried by majority vote of six (6) ayes and one (1) abstention. Comm. Chavez abstained from voting.

At this time, Mayor Hernandez, stated they would deviate and go into closed session. There was no objection.

ITEM 8. CLOSED SESSION: IN ACCORDANCE WITH CHAPTER 551 OF THE TEXAS GOV'T. CODE, THE PHARR BOARD OF COMMISSIONERS HEREBY GIVES NOTICE THAT IT MAY MEET IN A CLOSED (NON-PUBLIC) EXECUTIVE SESSION TO DISCUSS THE ITEMS LISTED ON THE PUBLIC PORTION OF THE MEETING AGENDA IN ACCORDANCE WITH THE FOLLOWING BELOW

The time being 4:09 p.m., Mayor Hernandez stated the commission would be entering into closed session in accordance with Chapter 551 of the Texas Govt. Code to discuss agenda items listed in the public portion of the agenda and Pursuant to Sections 551.071, 551.072, 551.074, 551.076, 551.084 and 551.087.

ITEM 9. RECONVENE

The time being 4:26 p.m., Mayor Hernandez stated the commission would be resuming the open meeting.

ITEM 7. CONTRACTS/AGREEMENTS

A) CONSIDERATION AND ACTION, IF ANY, AUTHORIZING CITY MANAGER TO EXTEND THE SERVICE CONTRACT WITH TEXAS LAND RECLAMATION DBA UTW TIRE COLLECTION SERVICES FROM DONNA, TX FOR THE PICKUP OF USED TIRES & RUBBER SCRAP REMOVAL & DISPOSAL/RECYCLING SERVICES (PURCHASING)

MINUTES: REGULAR CALLED MEETING

January 18, 2021

Ed Wylie, Interim City Manager, introduced the item. He stated it was the second extension of a three (3) year term with no changes to current pricing and recommended approval.

Comm. Medina **moved** to approve as recommended. Comm. Chavez seconded the motion.

Mayor Hernandez asked if the City of Pharr received recycled material back. Pilar Rodriguez, Interim Public Works Director, responded no and stated the contract was for disposal services only.

There being no further discussion, the motion was put to a vote and carried unanimously.

ITEM 10. ADJOURNMENT

There being no other business to come before the board, Comm. Carrillo **moved** to adjourn. Comm. Chavez seconded the motion and when put to a vote, the motion carried unanimously. Meeting adjourned at 4:27 p.m.

CITY OF PHARR

AMBROSIO HERNANDEZ
MAYOR

STATE OF TEXAS
COUNTY OF HIDALGO
CITY OF PHARR

ON THIS THE 18th DAY OF JANUARY 2021 the Board of Commissioners of the City of Pharr, Texas convened in a **REGULAR CALLED MEETING** at the Commissioner's Room located at 118 S. Cage, 2nd Floor, Pharr, Texas. The meeting being open to the public and notice of said meeting, giving the date, place, subject, hereof, having been posted in accordance with Chapter 551, Texas Government Code (Open Meetings Act) and there being present a quorum, I, **HILDA PEDRAZA, CITY CLERK**, of the City of Pharr, Texas, certify that this is a true and correct copy of the minutes.

ATTEST:

HILDA PEDRAZA, CITY CLERK

APPROVED:



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 4.B.

DATE SUBMITTED: January 28, 2021

MEETING DATE: February 1, 2021

FROM: Iris Mata, Secretary

DEPARTMENT: Development Services

DIRECTOR: Melanie Cano

Agenda Item:

Consideration and action, authorizing City Manager to advertise for Request for Proposals for Professional Planning Consulting Services to update our existing land use regulations to a Unified Development Code (UDC).

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: The City of Pharr intends to contract a consulting firm to provide professional planning consulting services to create a Unified Development Code (UDC) and complete related planning analysis and tasks. The UDC is a document that consolidates all development related regulations into a single resource rather than in various separate ordinances. Creation of the UDC will allow us to streamline and improve the regulations and codes for development. It will address topics related to general provisions, review authority and procedures, applications and permits, subdivision, zoning district and use regulations, site development and design standards, environmental protection, signs and compliance and enforcement. Project No. 2021-01-527-S013-054

Fiscal Consideration: TBD.

Staff Recommendation: Development Services staff recommends approval.

Alternatives: n/a

Exclude Material from Public Packet? No

Reason: n/a

ROUTING:

Iris Mata
Melanie Cano
Ignacio Amezcua
Karla Saavedra
City Management Office

Created/Initiated - 1/28/2021
Approved - 1/28/2021
Approved - 1/28/2021
Approved - 1/28/2021
Final Approval - 1/29/2021



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 4.C.

DATE SUBMITTED:

MEETING DATE: February 1, 2021

FROM: Hilda Pedraza, City Clerk

DEPARTMENT: Administration

DIRECTOR:

Agenda Item: PLATS:

Classification: Consent

(* If closed session, City Attorney must review and approve.)

Issue:

Fiscal Consideration:

Staff Recommendation:

Alternatives:

Exclude Material from Public Packet? No

Reason:

ROUTING:

Hilda Pedraza

Karla Saavedra

Patricia Rigney

City Management Office

Created -



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 4.C.1.

DATE SUBMITTED: January 26, 2021

MEETING DATE: February 1, 2021

FROM: Carolina Herrera, Secretary

DEPARTMENT: Development Services

DIRECTOR: Melanie Cano

Agenda Item: Melden & Hunt Inc., representing Zaed Virgen, Manager for Flag Polk, L.L.C., a Texas limited liability company, is requesting final plat approval of the proposed BGRR MIDTOWN Subdivision. The property is legally described as being a Re-subdivision of 7.906 acres out of Lots 2 and 3, Block D, Kelly-Pharr Subdivision, Pharr, Hidalgo County, Texas. The property's physical address is 601 West Polk Avenue. **SUB#191227**

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: Melden & Hunt Inc., representing Zaed Virgen, Manager for Flag Polk, L.L.C., a Texas limited liability company, is requesting final plat approval of the proposed BGRR MIDTOWN Subdivision. **SUB#191227**

Fiscal Consideration: N/A

Staff Recommendation: Development Services recommends final plat approval of the proposed BGRR MIDTOWN Subdivision subject to the listed conditions. The Planning and Zoning Commission voted unanimously to approve the final plat of the proposed BGRR MIDTOWN Subdivision.

Alternatives: N/A

Exclude Material from Public Packet? No

Reason: N/A

ROUTING:

Carolina Herrera
Roland Gomez
Melanie Cano
Patricia Rigney
City Management Office

Created/Initiated - 1/26/2021
Approved - 1/28/2021
Approved - 1/28/2021
Approved - 1/28/2021
Final Approval - 1/29/2021



Pharr

Development Services



MEMORANDUM

DATE: MONDAY, FEBRUARY 01, 2021

TO: MAYOR AND CITY COMMISSION

FROM: MELANIE CANO, DIRECTOR DEVELOPMENT SERVICES

THROUGH: EDWARD WYLIE, INTERIM CITY MANAGER

SUBJECT: BGRR MIDTOWN SUBDIVISION FILE NO. SUB#191227
--

GENERAL INFORMATION:

APPLICANT: Melden & Hunt Inc., representing Zaed Virgen, Manager for Flag Polk, L.L.C., a Texas limited liability company, is requesting final plat approval of the proposed BGRR MIDTOWN Subdivision.

LEGAL DESCRIPTION: The property is legally described as being a Re-subdivision of 7.906 acres out of Lots 2 and 3, Block D, Kelly-Pharr Subdivision, Pharr, Hidalgo County, Texas.

LOCATION: The property's physical address is 601 West Polk Avenue.

ZONING: The property is currently zoned Residential Multi-Family High Density District (R-MFHD). The adjacent zones are General Business District (C) and Single Family Residential District (R-1) to the north, Residential Multi-Family High Density District (R-MFHD) and Agricultural and/or Open Space District (A-O) to the East, Single Family Residential District for Lots less than 50 feet in width District (R-1A) to the south and Agricultural and/or Open Space District (A-O) and Single Family Residential District for Lots less than 50 feet in width District (R-1A) to the West. The property is designated for single family residential use in the Land Use Plan.

PROPERTY PROPOSED USE: Apartments.

VARIANCES: None requested.

RECOMMENDATIONS: Development Services recommends final plat approval of the proposed BGRR MIDTOWN Subdivision subject to the following conditions:

**STREETS, PAVING
AND R.O.W.:** 1. In compliance.

EASEMENTS: 1. In compliance.

**SIDEWALK:
ADA:** 1. In compliance.

FIRE PROTECTION: 1. In compliance.

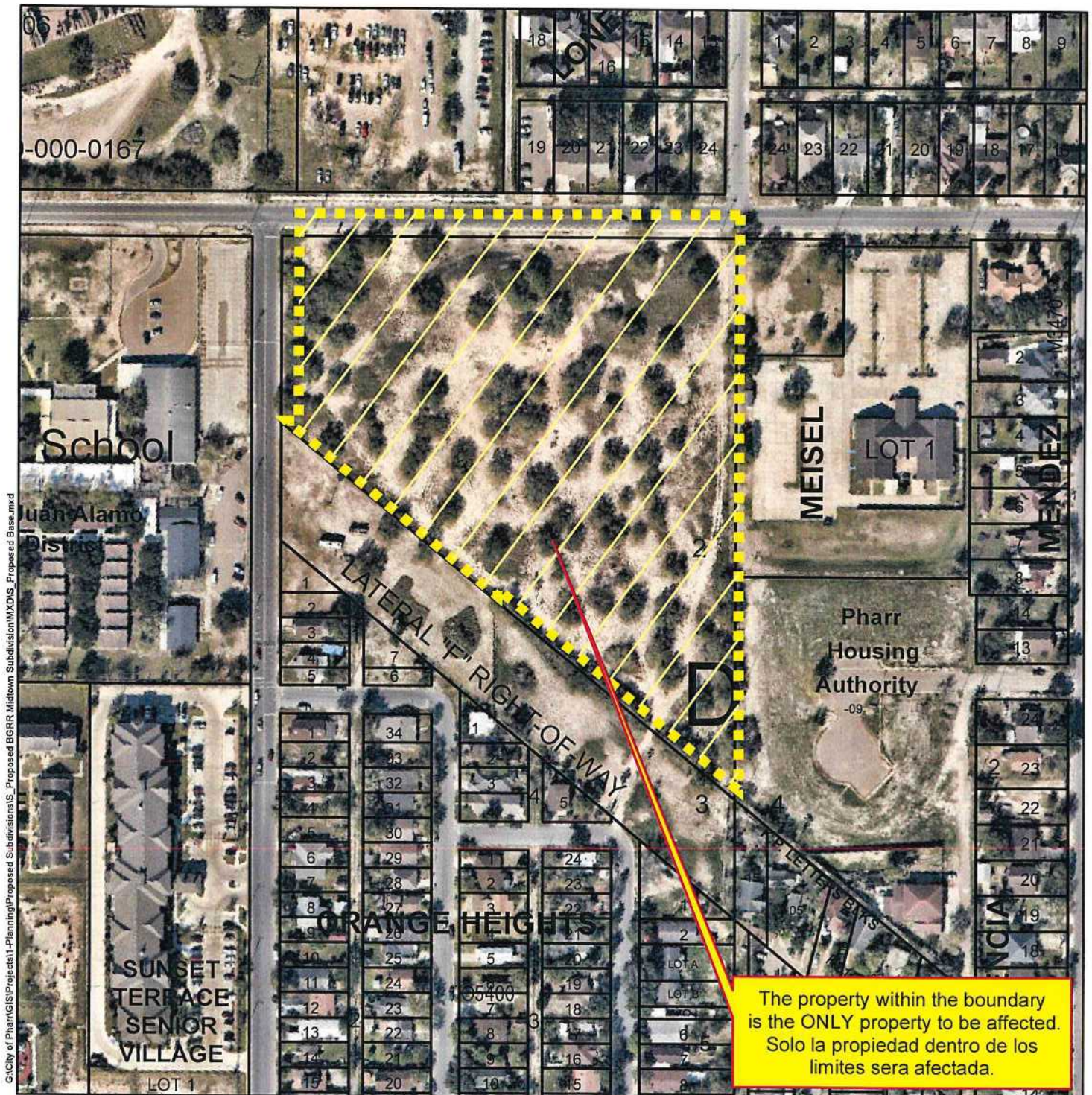
WATER: 1. In compliance.

SEWER: 1. In compliance.

DRAINAGE: 1. In compliance.

OTHER: 1. In compliance.

**PLANNING AND
ZONING
COMMISSION:** The Planning and Zoning Commission voted unanimously to approve the final plat of the proposed BGRR MIDTOWN Subdivision.

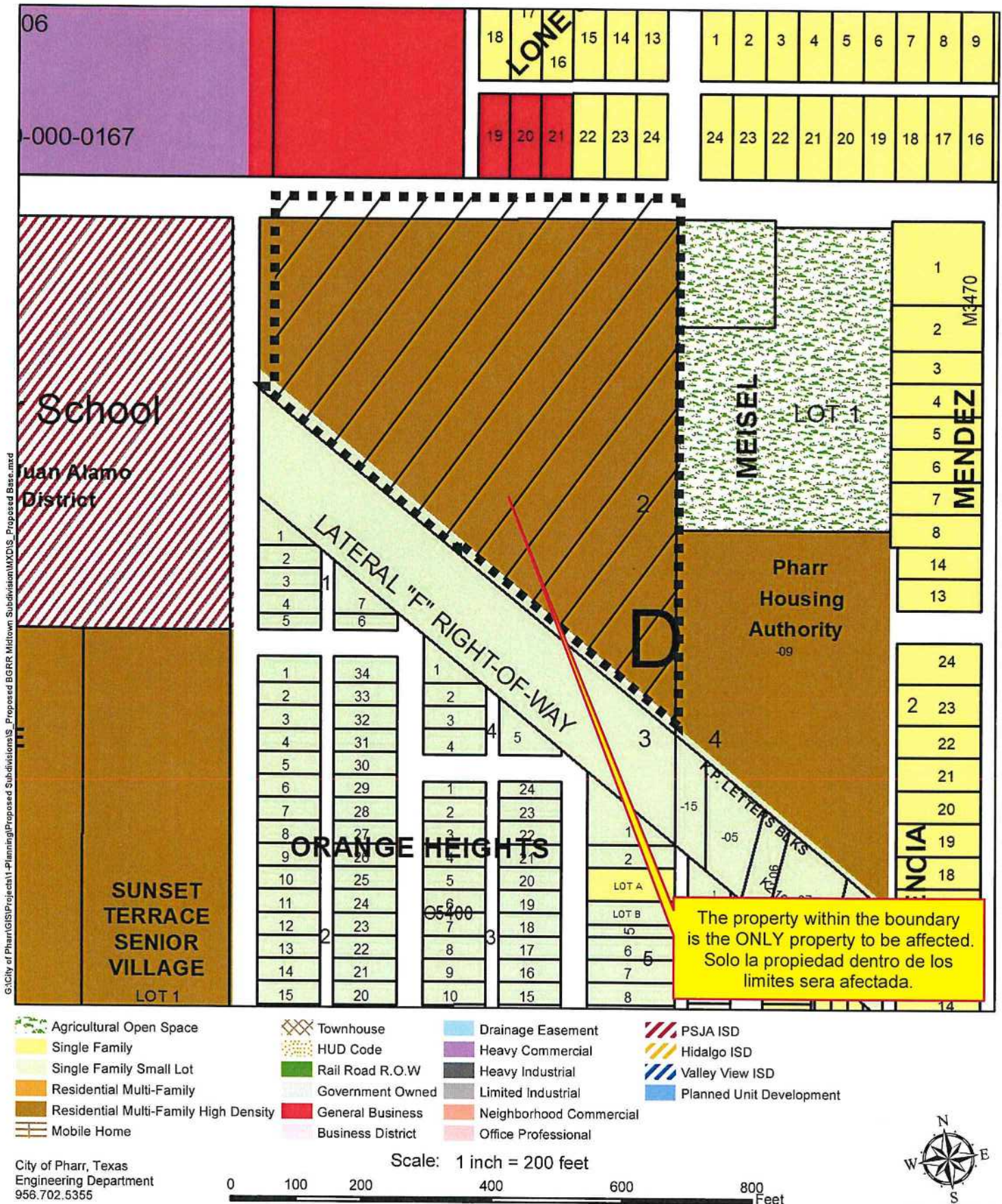


The property within the boundary is the ONLY property to be affected.
Solo la propiedad dentro de los limites sera afectada.

- | | | | |
|---------------------------------------|-------------------|-------------------------|--------------------------|
| Agricultural Open Space | Single Family | Drainage Easement | PSJA ISD |
| Single Family Small Lot | Townhouse | Heavy Commercial | Hidalgo ISD |
| Residential Multi-Family | HUD Code | Heavy Industrial | Valley View ISD |
| Residential Multi-Family High Density | Rail Road R.O.W | Limited Industrial | Planned Unit Development |
| Mobile Home | Government Owned | Neighborhood Commercial | |
| | General Business | Office Professional | |
| | Business District | | |

Scale: 1 inch = 200 feet







AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 4.C.2.

DATE SUBMITTED: January 26, 2021

MEETING DATE: February 1, 2021

FROM: Carolina Herrera, Secretary

DEPARTMENT: Development Services

DIRECTOR: Melanie Cano

Agenda Item: Melden & Hunt, Inc., representing Erickson Construction, LLC., of West Oak Villages Development, LLC, is requesting final plat approval of the proposed West Ridge Estates Phase 3 Subdivision. The property is legally described as being a 19.091 acres out of Lot 91, Kelly-Pharr Subdivision, Pharr, Hidalgo County, Texas. The property is located at the 500 Block of West Minnesota Road.
SUB#190717

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: Melden & Hunt, Inc., representing Erickson Construction, LLC., of West Oak Villages Development, LLC, is requesting final plat approval of the proposed West Ridge Estates Phase 3 Subdivision. **SUB#190717**

Fiscal Consideration: N/A

Staff Recommendation: Development Services recommends final plat approval of the proposed West Ridge Estates Phase 3 Subdivision subject to the following conditions. The Planning and Zoning Commission voted unanimously to approve the final plat of the proposed West Ridge Estates Phase 3 Subdivision.

Alternatives: N/A

Exclude Material from Public Packet? No

Reason: N/A

ROUTING:

Carolina Herrera
Roland Gomez
Melanie Cano
Patricia Rigney
City Management Office

Created/Initiated - 1/26/2021
Approved - 1/28/2021
Approved - 1/28/2021
Approved - 1/28/2021
Final Approval - 1/29/2021



Pharr

Development Services



MEMORANDUM

DATE: MONDAY, FEBRUARY 01, 2021

TO: MAYOR AND CITY COMMISSION

FROM: MALANIE CANO, DIRECTOR DEVELOPMENT SERVICES

THROUGH: EDWARD WYLIE, INTERIM CITY MANAGER

SUBJECT: WEST RIDGE ESTATES PHASE 3 SUBDIVISION FILE NO. SUB#190717
--

GENERAL INFORMATION:

APPLICANT: Melden & Hunt, Inc., representing Erickson Construction, LLC., of West Oak Villages Development, LLC, is requesting final plat approval of the proposed West Ridge Estates Phase 3 Subdivision.

LEGAL DESCRIPTION: The property is legally described as being a 19.091 acres out of Lot 91, Kelly-Pharr Subdivision, Pharr, Hidalgo County, Texas.

LOCATION: The property is located at the 500 Block of West Minnesota Road.

ZONING: The property is currently zoned Residential Multi-Family District (R-MF). The adjacent zones are Single Family Residential District (R-1) to the north, Limited Industrial District (L-I) and Single Family Residential District (R-1) to the east and Agricultural and/or Open Space District (A-O) to the south and west. The property is designated for commercial use in the Land Use Plan.

PROPERTY PROPOSED USE: Multifamily.

VARIANCES: None requested.

RECOMMENDATIONS: Development Services recommends final plat approval of the proposed West Ridge Estates Phase 3 Subdivision subject to the following conditions:

STREETS, PAVING AND R.O.W.:

1. No driveways access allowed for Lots 1, 29, 30 and 58 into W. Minnesota Rd.
2. 20' utility & access easement between lots 29 & 30 will not have a curb cut into W. Minnesota Rd.
3. Power poles along W. Minnesota Rd. to be relocated to the new R.O.W. line.
4. Shall Pave 1/3 of R.O.W. for W. Minnesota Rd. in accordance with City Standards.

EASEMENTS:

1. Electrical easements for street lights to be shown on plat layout.

**SIDEWALK:
ADA:**

1. Plat note #6, revise note to say "A 5 foot sidewalk, wheelchair ramps and landings as per ADA requirement, are to be constructed along the south side of W. Minnesota Rd. and internal streets at time of subdivision phase."

FIRE PROTECTION:

1. See attached comments.

WATER:

1. See attached comments.
2. Follow City of Pharr Construction Standards Manual.

SEWER:

1. See attached comments.
2. Follow City of Pharr Construction Standards Manual.

DRAINAGE:

1. All drainage construction shall comply with City of Pharr Standards.
2. Drainage report needs to be approved by H.C.D.D. #1.

OTHER:

1. Owner to provide updated certificate of formation for West Oak Villages Development, LLC.
2. Fix plat note # 8 and "no driveways allowed".

PLANNING AND ZONING COMMISSION:

The Planning and Zoning Commission voted unanimously to approve the final plat of the proposed West Ridge Estates Phase 3 Subdivision.



Pharr Fire – Rescue
118 S Cage Blvd., 3rd Floor
Pharr, Texas 78577
Tel: (956) 402-4400 Fax: (956) 475-3433



Subdivision: WEST RIDGE ESTATES PHASE 3 SUBDIVISION FINAL (Re-Inspection) (PASSED)

Reviewed By: Dago Soto, Asst. Fire Marshal Date: 1/20/21

1. All designed waterlines shall be a minimum of eight (8) inch for residential and (8-12) inch in diameter for commercial and (12) inch or better for industrial areas unless fire flow requires larger lines for commercial areas.
2. All designed waterlines shall be looped on a fire department approved water main (Utilities shall be in place including fire hydrants before any construction above the slab)
3. Fire hydrants shall be installed at a maximum of 300 ft. intervals in any mercantile district and every 600 ft. in residential areas and shall be FACTORY YELLOW from the manufacture with a minimum arrangement being so as to have a hydrant available for distribution to hose to any portion of any building in the premises at distances not exceeding 400 ft., but in no case shall hose lengths be greater than 400 ft. The distance shall be measured on a roadway surface meeting the fire department access requirements of 503.1 International Fire Code 2012.
4. All premises where building or portions of buildings are located more than 300 ft. from a main street fire hydrant system shall be provided with approved on site fire hydrant (s) and water mains capable of supplying adequate fire flow approved by the Fire Officials.
5. Street names shall be provided prior to or during the pre-construction meeting for review and approval. No street name shall be duplicated within the City of Pharr and its E.T.J. Alignment of new streets with existing streets shall take precedence over new street name assignment.
6. During construction, when combustibles are brought on the site in such quantities as deemed hazardous by the Fire Official, access roads and a suitable temporary supply of water acceptable to the Fire Department shall be provided and maintained.
7. \$25.00 fee for each Blue Marker to be affixed on payment by city to indicate location of a fire hydrant. FIRE HYDRANT COLOR MUST BE FACTORY YELLOW FROM MANUFACTURE PRIOR TO INSTALLATION. MUELLER BRAND FIRE HYDRANT
8. Contractor testing waterlines shall dispose highly chlorinated water. (Hazardous Waste)
9. Fire lanes must be painted RED: 15 feet on each side of hydrant (total 30 feet)* with lettering at least 3 inches tall. FIRE LANE – TOW AWAY ZONE.
10. Any new subdivision with GATED COMMUNITY SECURITY SYSTEMS must obtain the Fire Department approved Knox Box Switch –Rapid Entry System made by the Knox Company (Phone Number 800-552-5669 Fax 949-623-4647) or an approved fire department siren system before subdivision's final approval of 503.5 in International Fire Code 2012: Where security gates are installed, with a minimum of 20 ft. (6096 mm) clearance shall be maintained and a means for emergency operations shall be provided and maintained as approved by the fire official.
11. Designed fire lanes or roads deemed necessary for fire department access by the fire official shall be established and maintained in an operable condition. 503.1 International Fire Code 2012: **All weather surfaces must be in place before any final inspection is approved. Facilities, buildings or portions of buildings hereafter constructed shall be accessible to the department apparatus by a way of an approved fire apparatus access road with an asphalt, or concrete driving surface capable of supporting the imposed load of fire apparatus weighting at least 75,000 pounds.**
12. Access road width with a hydrant. Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet, exclusive of shoulders.
13. **All water valves (hydrant and main) shall be open prior to final inspection.**
14. Public utilities personnel must be advised prior to opening and closing existing water valves.
15. Must meet City of Pharr Standards Manual Construction & Development Guide.

Additional Comments: Final Re Inspection was conducted and pending

1. ENTRANCE AND STREET TO BE CONNECTED TO WEST MINNESOTA

FINAL INSPECTION

WEST RIDGE PHASE III (RE-INSPECTION)

COMMENTS: Initials: R.B. JANUARY 12, 2021

☐ Approve ☒ Approved with Conditions ☐ Denied

WATER:

- Pending 12" Tie-in on W. Minnesota Rd. on N.E. corner to be staked Out (200' Linear Feet Pending)
- Need revised As-Builts plans to show valves
- 12" water line to be installed on 1-18-2020
- 3-4 days to complete inspection – then testing (Bac-T)
- 100 % completed (water line on N.E. corner) 1-22-2020
- Follow City of Pharr Construction Standards Manual

SEWER:

- Sewer Manholes to be adjusted to grade level on all sidewalks
- Follow City of Pharr Construction Standards Manual

Developer/Owner/Responsible Party must comply with the conditions stated above. WATER METERS WILL NOT BE INSTALLED IF THERE IS A failure to comply with ANY OF THE conditions. METERS WILL BE INSTALLED UPON PAYMENT AND COMPLIANCE WITH ALL CONDITIONS STATED. By signing this you understand you must comply with the condition(s) or the water meter(s) will not be installed.

Print Name: _____

Signature: _____

Date: _____



Pharr Public Work



SUBDIVISION: Final Re-Inspection Meeting for
West Ridge Estates Phase 3
E. Minnesota Rd.
Pharr Tx, 78577

DATE: 01/15/2021

Plat Notes:

- No comment

General Notes: Pass with conditions

- Adjust concrete tops on Type "A" inlets
- Replace metal grade tops on Type "C" inlets with 10 gauge carbon steel mesh



SUBDIVISION: West Ridge Estate PH 3
Subdivision

DATE: January 13, 2021

2nd Walk Thru – **APPROVED W/CONDITIONS**

PLAT

SITE PLAN

1. General maintenance, clear all construction debris from site.
2. 200 LF of 12" waterline requires testing and sampling for bacteriological test.
3. Interior sanitary sewer line requires low air pressure test.
4. All fire hydrants to be painted the same shade of yellow ("mustard" yellow).
5. Remedy all cracks that may be found along the curb and gutter.
6. Adjust manholes that are not leveled with the curb and coat all interior base and flowlines with C-4.
7. Adjust curb side inlet.
8. Touch up roadside ditch and clear culvert of dirt in front of resident's home and remove all construction debris from area.
9. Valve collars shall require an additional finish to prevent further chipping.

DRAINAGE

ADDITIONAL COMMENTS

- As-builts to be revised to match the existing conditions



Remedy all cracks that may be found along the curb and gutter.



Adjust manholes that are not leveled with the curb and coat all interior base and flowlines with C-4.





Adjust curb side inlet.

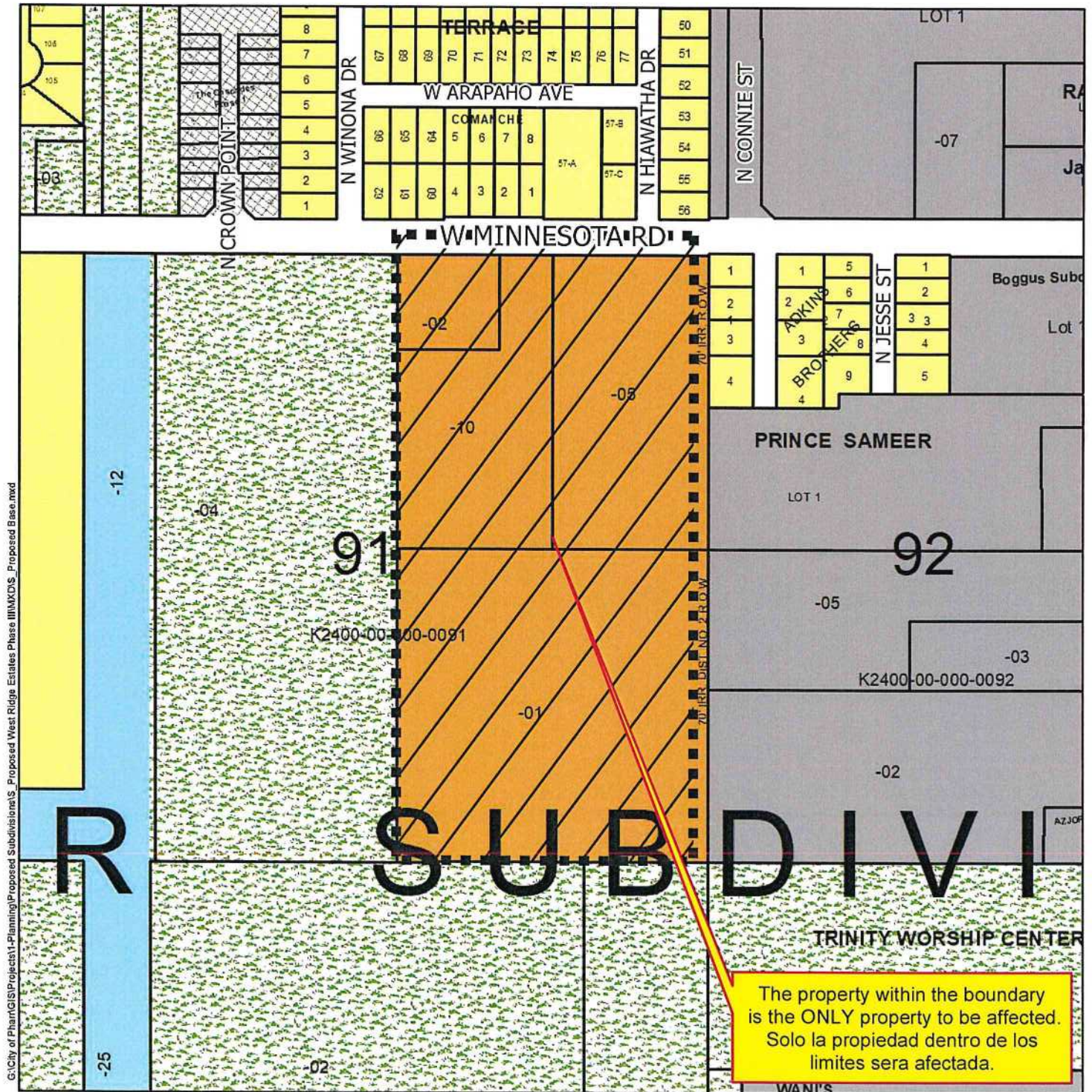


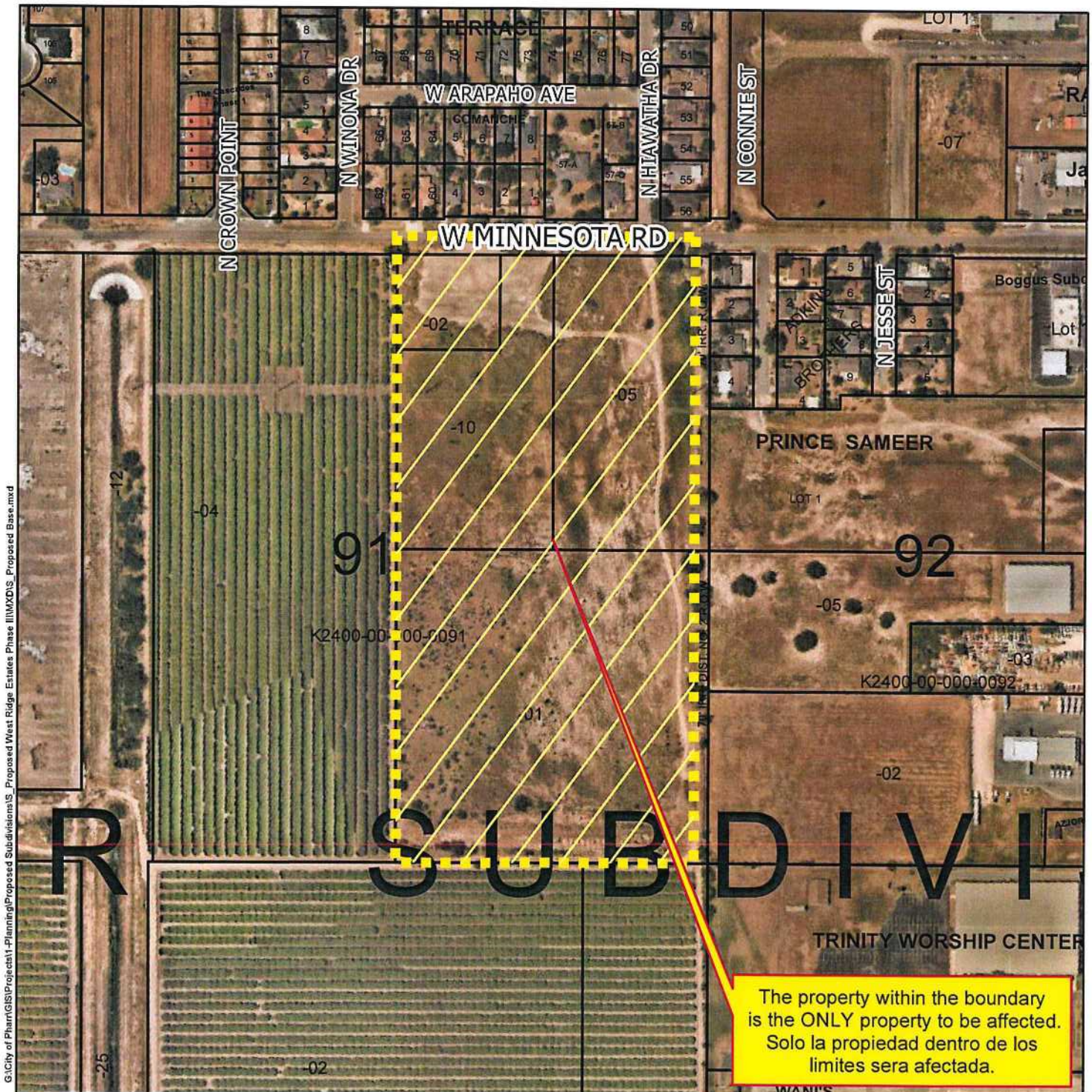
Touch up roadside ditch and clear culvert of dirt in front of resident's home and remove all construction debris from area.

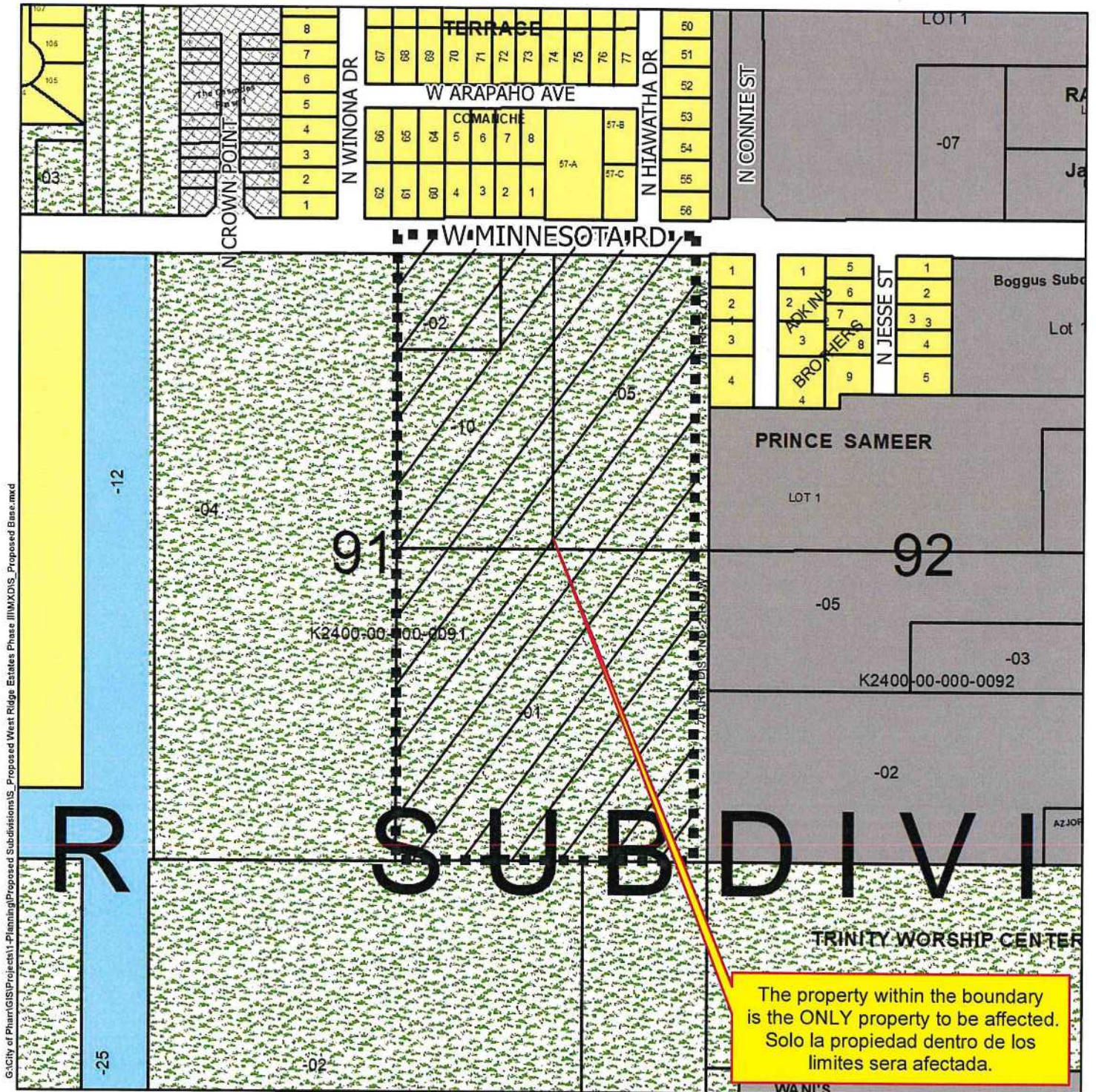


Valve collars shall
require an additional
finish to prevent
further chipping.











AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 5.A.

DATE SUBMITTED: January 25, 2021

MEETING DATE: February 1, 2021

FROM: Iris Mata, Secretary

DEPARTMENT: Engineering

DIRECTOR: Melanie Cano

Agenda Item:

Consideration and action, if any, on Ordinance amending Ordinance No. O-2006-47 Standards Manual Construction and Development Guide.

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: The City of Pharr has determined that the supplemental drainage policy is necessary to provide for the safety and welfare of the general public, mitigate flood and erosion related damages to private and public property. The supplemental drainage policy requires on-site detention for any new residential and commercial development. The difference between the 50-year storm post development runoff and the 10-Year Pre-Development runoff shall be detained on-site and shall be situated in dedicated areas.

In addition, the City recognizes that public roadways require a certain degree of continuity, capacity, and accessibility to adjacent land uses and to address the transportation and mobility needs, City staff is proposing that Local Right-of-Way (ROW) widths be a total of 50'ROW, 40' B-B, as opposed to the current requirement of 34'B-B.

Fiscal Consideration: n/a

Staff Recommendation: Staff recommends approval.

Alternatives: n/a

Exclude Material from Public Packet? No

Reason: n/a

ROUTING:

Iris Mata
Melanie Cano
Omar Anzaldúa
Patricia Rigney
City Management Office

Created/Initiated - 1/25/2021
Approved - 1/29/2021
Approved - 1/29/2021
Approved - 1/29/2021
Final Approval - 1/29/2021

O-2021-_____

**AN ORDINANCE AMENDING (O-2006-47) OF THE CITY OF PHARR, TEXAS
CHAPTER 118, SUBDIVISIONS BY AMENDING SECTION II – , DRAINAGE, AND
AMENDING SEC. III – STREETS AND ROADWAYS, PROVIDING AN EFFECTIVE
DATE, PROVIDING FOR PUBLICATION, PROVIDING FOR SEVERABILITY, AND
ORDAINING OTHER PROVISIONS RELATED TO THE SUBJECT MATTER
THEREOF.**

**NOW THEREFORE BE IT ORDAINED BY THE BOARD OF COMMISSIONERS OF THE CITY
OF PHARR, TEXAS**

**SECTION 1. CHAPTER 118, ARTICLE VI. – STANDARDS MANUAL: CONSTRUCTION AND
DEVELOPMENT GUIDE SEC. II – DRAINAGE IS HEREBY AMENDED BY ADDING II – 14 AS
FOLLOWS:**

II – 14 Supplemental Requirements

A. Drainage Design

1. The difference between the 50-year storm post development runoff and the 10-Year Pre-Development runoff shall be detained on-site. Calculations shall be submitted to the City Engineer.
2. On-site detention methods shall include ponds or engineered sub-surface systems. Alternative methods of detention shall be reviewed and approved by the City Engineer.

B. Detention Design

1. Design Considerations
 - a. On-site detention facilities shall be situated in dedicated areas. Existing drainage facilities (i.e. City of Pharr Drainage Ditches, Regional Stormwater Detention Facilities, etc.) shall not take place of dedicated facilities unless previously included in the City of Pharr's Master Drainage Plan. Detention areas may be incorporated into landscape and greenbelt areas provided that vegetation does not adversely affect required design volumes or impede hydraulic efficiency. Areas designated as dual use areas (detention/landscape, detention/green space, etc.) shall display appropriate signage indicating so.
 - b. Storm water runoff may be conveyed to detention areas via storm sewer networks, flumes and curb cuts within dedicated right-of-way or flowage easements. Detention pond footprints are encouraged to incorporate aesthetically pleasing geometries and may be used as a common areas or green-belt areas as long as there is no interference with the hydraulic function of the pond.

- c. Side slopes shall not exceed 3:1 (H:V). In areas with a potential for vehicular or pedestrian activity, detention pond depths exceeding 2.5 feet shall require a safety buffer in the form of benching or fencing around the perimeter of the pond. The bottom of the basin shall be graded to drain towards the outlet structure. A pilot channel shall be placed along the flow line from inlet to outlet to ensure positive flow. Trash racks shall be incorporated into outlet structure design. A minimum of 20 feet shall be maintained around the perimeter of the pond to allow for routine maintenance and/or repair.
- d. Detention area design shall consider proximity and elevation of adjacent building structures. Bank areas shall be graded to drain away from such structures. A minimum of 1-foot of freeboard above design pool elevation shall be required. The design of detention areas shall incorporate diversion of overflows into street rights-of-way or drainage/flowage easements in the event of an extreme event or outlet structure failure.
- e. Detention pond areas shall be vegetated to prevent erosion and deposition of silts. Common Bermuda, Winter Rye or a combination of the grasses may be used. Vegetated areas shall include provisions for irrigation systems.

D. Detention Pond Details

- 1. Refer to Details DR-10 thru DR-16A

E. Detention Pond Maintenance

- 1. Detention ponds shall be maintained by the owner of record for commercial and institutional developments. In the case of single-family residential and multi-family residential developments, the owner(s) of record for the various lots shall establish a Homeowners Association for the purpose of providing maintenance for the detention area(s).
- 2. In the event the property owner or homeowner's association fails to comply with the maintenance requirements, the City may cause the work necessary to abate the violation of maintaining the detention areas at the homeowner's expense.

F. Parkland Dedication

- 1. Land dedicated to the city under this section may be utilized for park and recreation uses, contingent on approval of design requirements.
- 2. Whenever a plat is filed for approval with the city for the development of residential and/or multifamily, such plat shall contain a clear fee simple dedication of area of land to the city for park purposes, in accordance with Chapter 90, Parks and Recreation in the City of Pharr's Code of Ordinances.

SECTION 2. CHAPTER 118, ARTICLE VI. – STANDARDS MANUAL: CONSTRUCTION AND DEVELOPMENT GUIDE SEC. III – STREETS, SECTION III – RIGHT-OF WAYS AND PAVING WIDTHS, IS AMENDED AT TABLE III – 1 DESIGN STREET REQUIREMENTS AS FOLLOWS:

TABLE III DESIGN STREET REQUIREMENTS				
R.O.W WIDTH	STREET WIDTH (B-B)	INTERSECTION CURB RADII (MINIMUM)	CITY WIDTH (DISCRETION)	PAVING SECT ESCROW
Local 50' (w/5' U.E.)	34'40'	15'20'	7' C & G 1 side	8"/2"
Collector 60' (w/10' U.E.)	50' 4-lanes	20'	13' C & G 1 side	8"/2"
Commercial 60'	42 2-lanes, 1 CLTL	20'	9' C & G 1 side	10"/3"
Industrial 60'	44 2-lanes, 1 CLTL	30'20'	10' C & G 1 side	12"/4"
Minor Arterial 70' (w/10' U.E.)	60' 4 lanes, 2 BL	20'25'	18' C & G 1 side	10"/2"
Major Arterial 80' (w/10' U.E.)	66' 4 lanes, 1 CLTL	20'25'	21' C & G 1 side	10"/2"
100' (w/10' U.E.)	82' 4 lanes, 1 CLTL, 2 BL	20'25'	30' C & G 1 side	10"/3"
120' (w/10' U.E.)	100' 6 lanes, 1 Divided median, 2 BL	20'25'	30' C & G 1 side	10"/3"

Notes:

1. Travel Lanes: 12 feet wide; parking lanes: 8 feet wide.
2. Curb and gutter: 2 feet wide each side of a total of 4 feet.
3. Continuous left-turn lane (CLTL) & Occasional left (OL) turns lanes: 14-16 feet wide
Divided Median-16 feet wide
Bicycle lane (BL) 5-8 feet wide
4. Drainage must be provided for the perimeter street of the subdivision.
5. Escrow amounts shall be submitted to the City of Pharr and sealed by a professional engineer for approval by the City Engineer.
6. Pavement section to be designed by a professional engineer.
7. City width-For widening of existing streets.

SECTION 3: SEVERABILITY CLAUSE

The invalidity of any section, clause, sentence or provision of this ordinance shall not affect the validity of any other part thereof.

SECTION 4: REPEALING CLAUSE

All ordinances or parts of ordinances in conflict with this ordinance are hereby repealed.

SECTION 5: CUMULATIVE

This ordinance shall be cumulative of all ordinances of the City of Pharr, Texas, and of all laws of the State of Texas.

SECTION 6: PUBLICATION; EFFECTIVE DATE

The ordinance shall take effect and be in force from and after its passage and approval on three (3) separate readings in accordance with Section 8, Article 3 of the Charter of the City of Pharr, Texas. Publication, if necessary, may also be in caption form as allowed under Section 9 of the Pharr City Charter.

SECTION 7: PROPER NOTICE AND MEETING

It is hereby officially found and determined that the meeting at which this Ordinance was passed was open to the public and that public notice of the time place and purpose of said meeting was given as required by the Open Meetings Act, Chapter 551 of the Texas Government Code.

PASSED and APPROVED BY THE BOARD OF CITY COMMISSIONER OF THE CITY OF PHARR, TEXAS, on this the _____ day of February, 2021

CITY OF PHARR

AMBROSIO HERNANDEZ

MAYOR

ATTEST:

HILDA PEDRAZA

PASSED and **APPROVED** BY THE BOARD OF CITY COMMISSIONER OF THE CITY OF PHARR,
TEXAS, on this the _____ day of February, 2021

CITY OF PHARR

AMBROSIO HERNANDEZ

MAYOR

ATTEST:

HILDA PEDRAZA

PASSED and **APPROVED** BY THE BOARD OF CITY COMMISSIONER OF THE CITY OF PHARR,
TEXAS, on this the _____ day of March, 2021

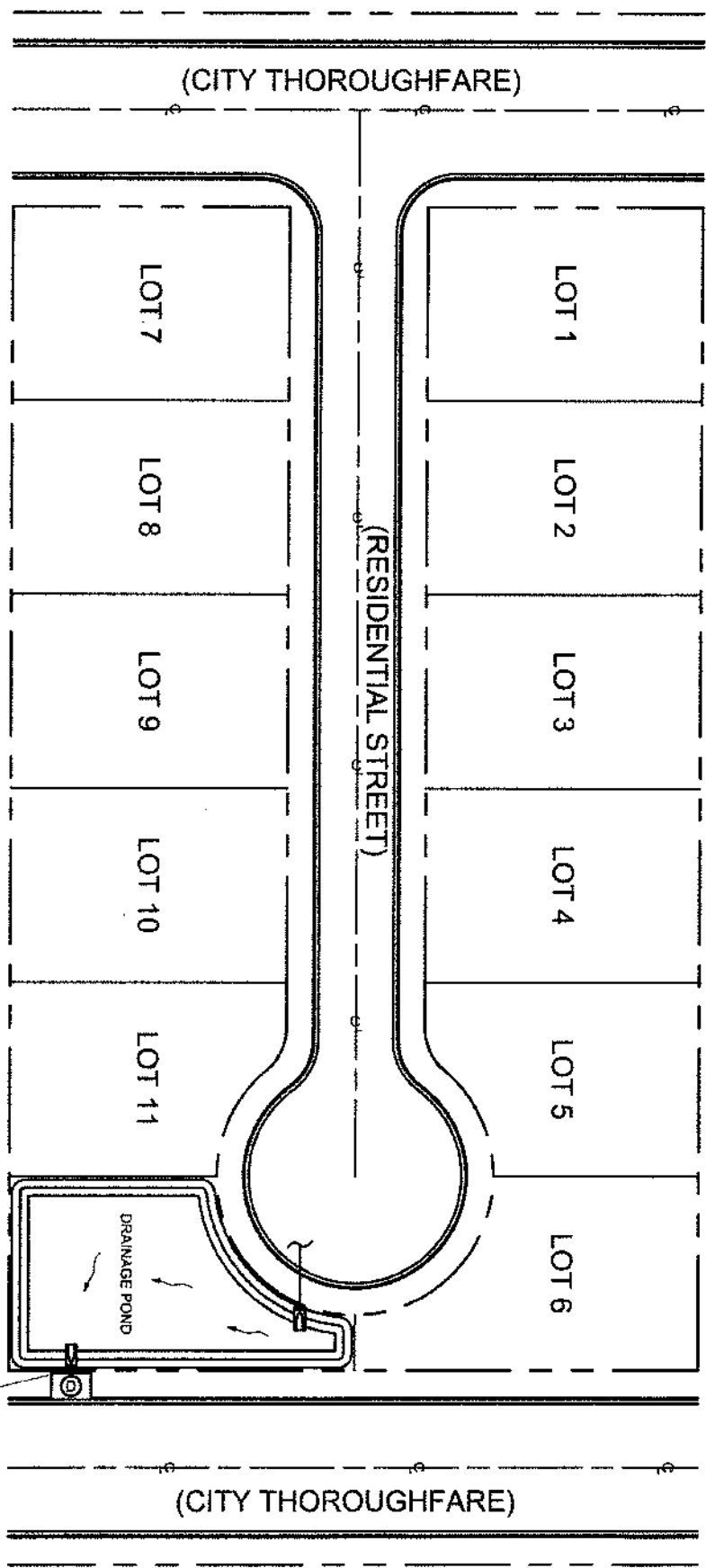
CITY OF PHARR

AMBROSIO HERNANDEZ

MAYOR

ATTEST:

HILDA PEDRAZA



NOTE: STORM AND POND CONCEPTIONAL ONLY.

TIE-IN 60" BLEEDER
LINE TO INLET. SEE
DETAIL DR-15A
DETENTION POND.

LEGEND:

- STORM SEWER LINE ——— SD ———
- STORM SEWER CURB INLET [Symbol]
- SAFETY END TREATMENT [Symbol]
- DIRECTION OF FLOW [Symbol]

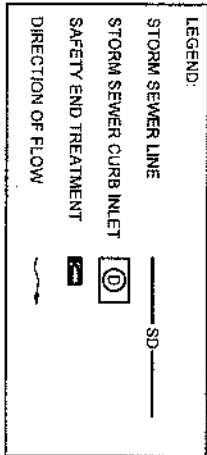
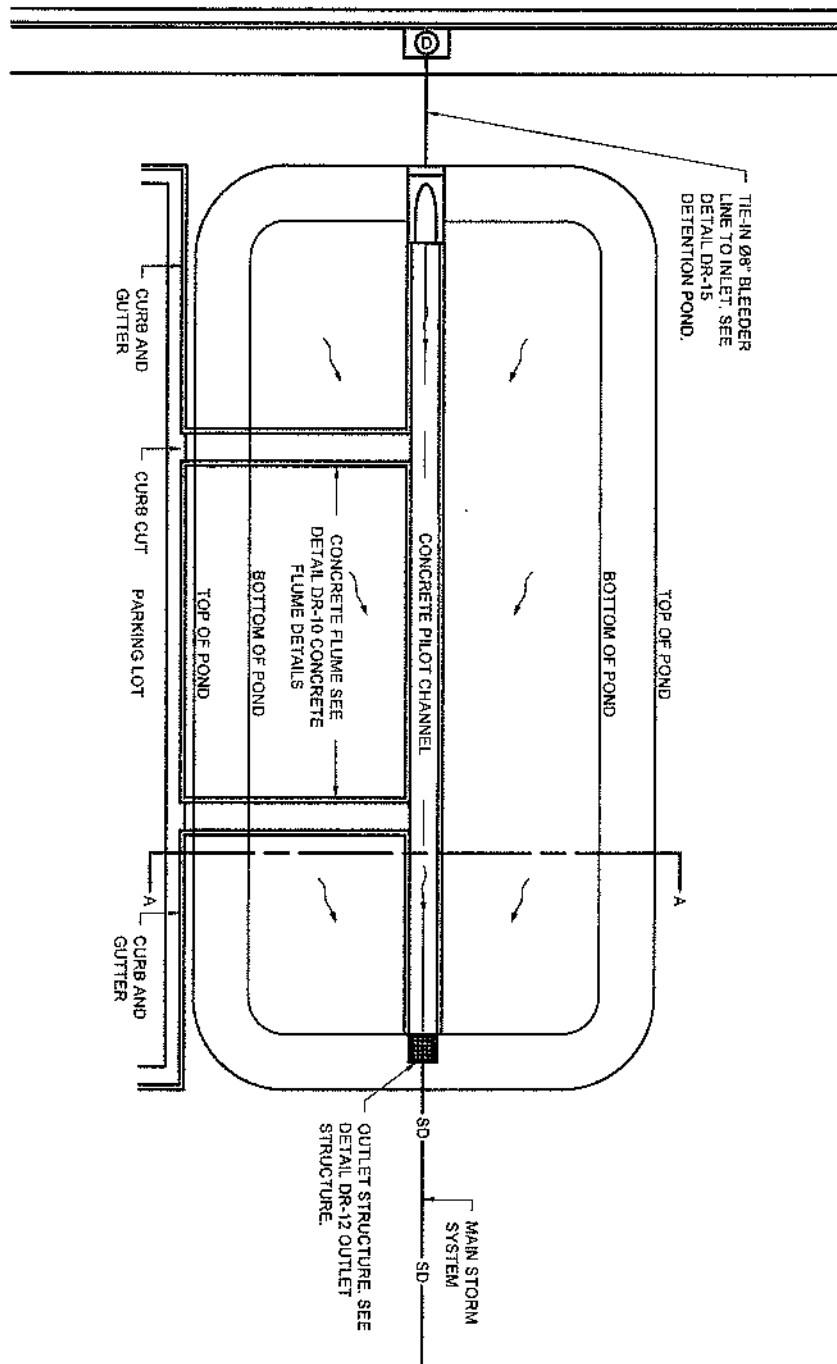
GENERAL NOTES:

1. TYPICAL STORM SEWER LAYOUT SHALL BE DETERMINED BY THE ENGINEER ON RECORD IN ACCORDANCE WITH ALL DRAINAGE REQUIREMENTS.
2. SIZE AND DEPTH OF POND SHALL BE DETERMINED BY THE ENGINEER ON RECORD IN ACCORDANCE WITH ALL DRAINAGE REQUIREMENTS.

DR-15

\\pharr1-fs4\Engineering\0-Drafting & Mapping\4-Drafting\Standard Data\511-City of Pharr\2019 Revisions\DR - Drainage\DR-15 Typical Storm Sewer Layout.dwg

TYPICAL STORM SEWER LAYOUT	DESIGNED BY:	DESIGNER	Pharr Engineering 118 S Cage Blvd. Pharr, TX 78577 956-402-4221	
	DRAWN BY:	DRAWN_BY		
	CHECKED BY:	CKD_BY		
	DATE:	DATE		



DR-16

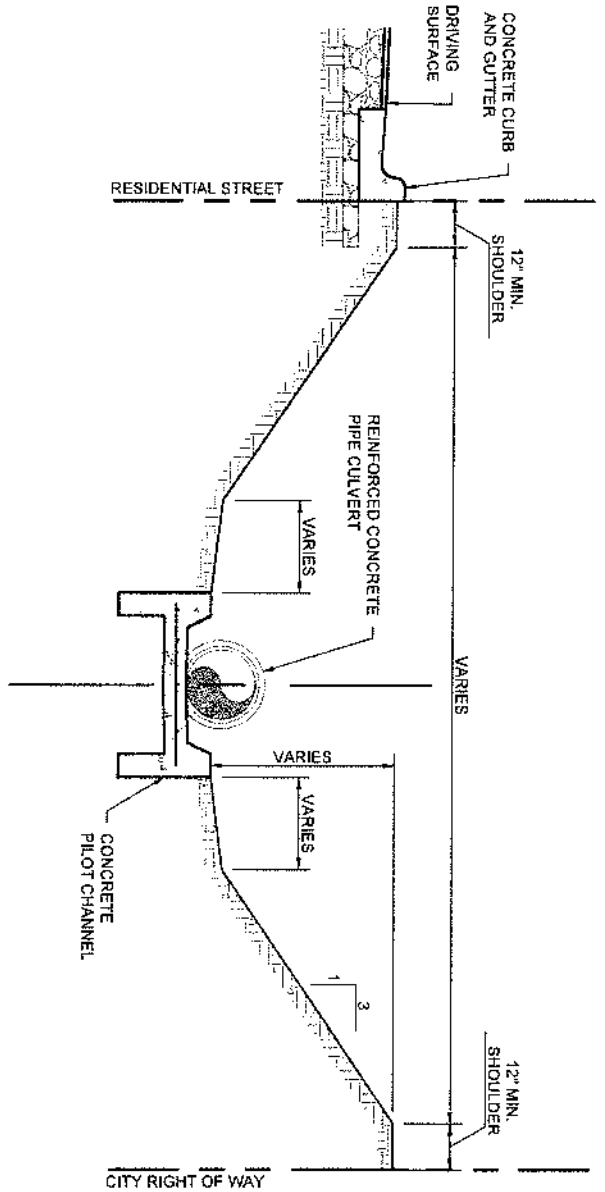
\\pharr1-264\Engineering\0-Drafting & Mapping\4-Drafting\Standard Details\1-City of Pharr\2019 Revisions\DR - Drainage\DR-16 Pilot Channel Details.dwg

PILOT CHANNEL DETAILS

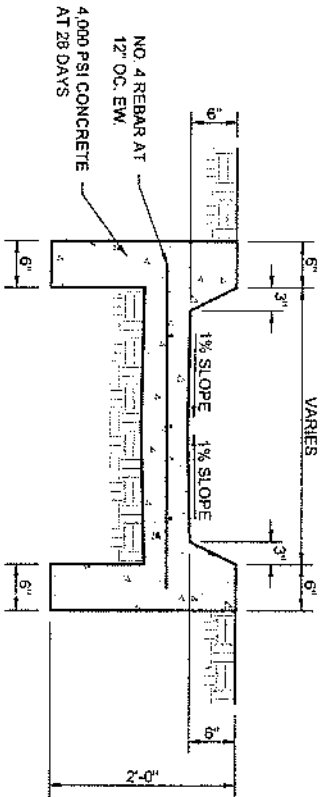
DESIGNED BY:	DESIGNER
DRAWN BY:	DRAWN_BY
CHECKED BY:	CKD_BY
DATE:	DATE

Pharr Engineering
118 S Cage Blvd.
Pharr, TX 78577
956-402-4221





CROSS SECTION VIEW A-A



CROSS SECTION VIEW

CONCRETE PILOT CHANNEL DETAIL

NOT TO SCALE

- GENERAL NOTES:**
1. STANDARD POND SLOPE NOT TO EXCEED 3:1, BUT WILL BE TREATED ON A CASE BY CASE BASIS, OR AS APPROVED BY THE CITY ENGINEER.
 2. STABILIZE USING SOD OR HYDROMULCH AND MAINTAIN UNTIL GERMINATION HAS BEEN ACHIEVED ON EMBANKMENT AND FLOW LINE.
 3. INCLUDE A 12" MINIMUM SHOULDER STARTING AT THE EDGE OF RETENTION POND.
 4. DEPTH OF THREE FEET OR DEEPER WILL REQUIRE SOME FORM OF BARRIER.
 5. INCLUDE A 12" SHOULDER STARTING AT THE EDGE OF THE SWALE.
 6. THE STRENGTH OF CONCRETE PILOT CHANNEL SHALL BE 4,000 PSI AT 28 DAYS.

DR-16A

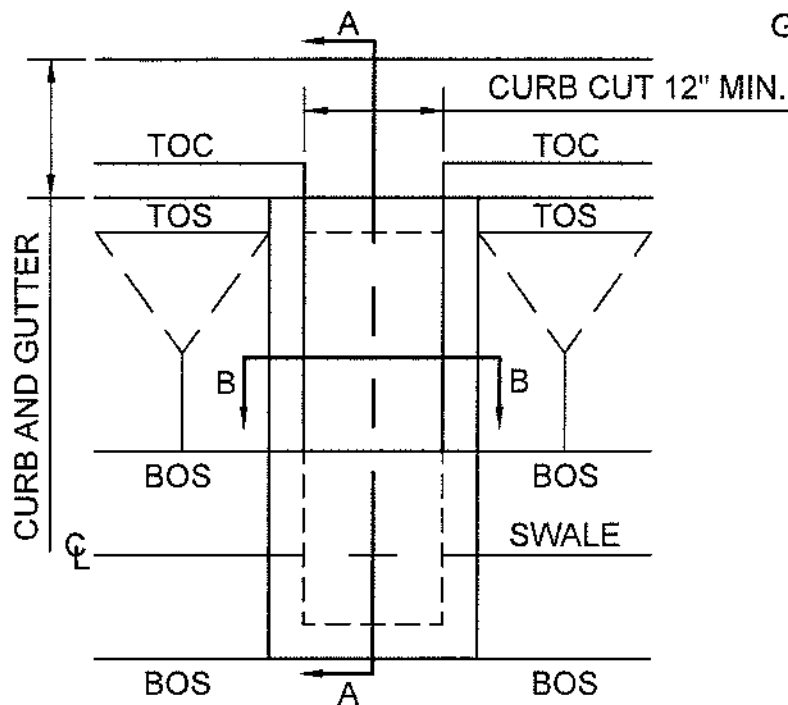
\\pharr1-64\Engineering\0-Drafting & Mapping\4-Drafting\Standard Details\1-City of Pharr\2019 Revisions\DR - Drainage\DR-16A Pilot Channel Details.dwg

TYPICAL RESIDENTIAL POND DETAILS

DESIGNED BY:	DESIGNER
DRAWN BY:	DRAWN_BY
CHECKED BY:	CKD_BY
DATE:	DATE

Pharr Engineering
118 S Cage Blvd.
Pharr, TX 78577
956-402-4221



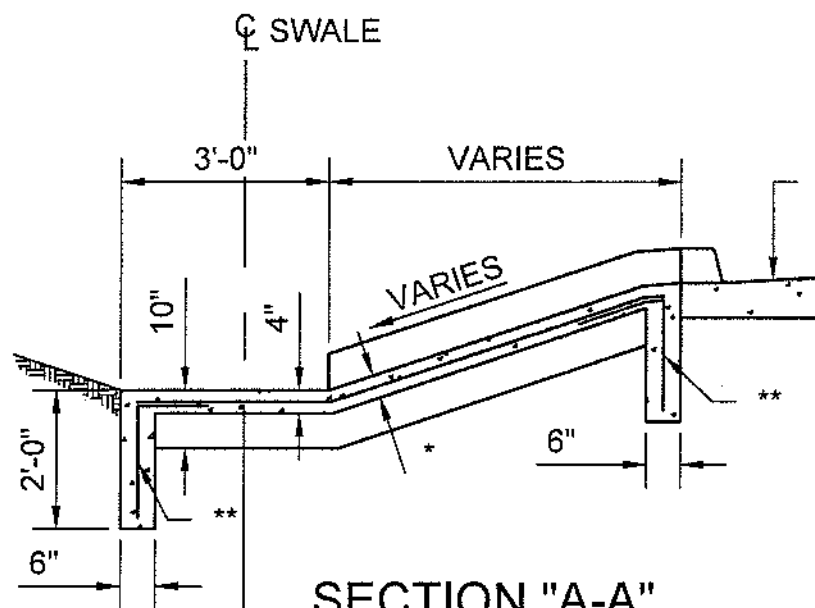


PLAN VIEW
NOT TO SCALE

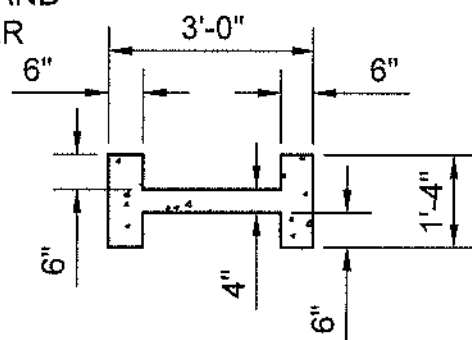
GENERAL NOTES:

1. CONCRETE SHALL HAVE A SPECIFIED STRENGTH OF 3,000 PSI (MIN.) AT 28 DAYS.
 2. 6"X6" NO. 6 GAUGE WELDED WIRE MESH OR NO.4 BARS AT 12" ON CENTER EACH WAY.
 3. ALL REINFORCING STEEL BARS TO BE GRADE 60.
 4. ALL STEEL TO HAVE 4,000 PSI YIELD STRENGTH.
- * 4" THICK CONCRETE FLUME WITH 6X6 NO.6 GAUGE WELDED WIRE MESH OR NO.4 BARS AT 12" ON CENTER EACH WAY.
- ** NO.4 BARS AT 12" ON CENTER EACH WAY.

TOC - TOP OF CURB
FL - FLOW LINE
TOS - TOP OF SWALE
BOS - BOTTOM OF SWALE



SECTION "A-A"
NOT TO SCALE



SECTION "B-B"
NOT TO SCALE

DR-10

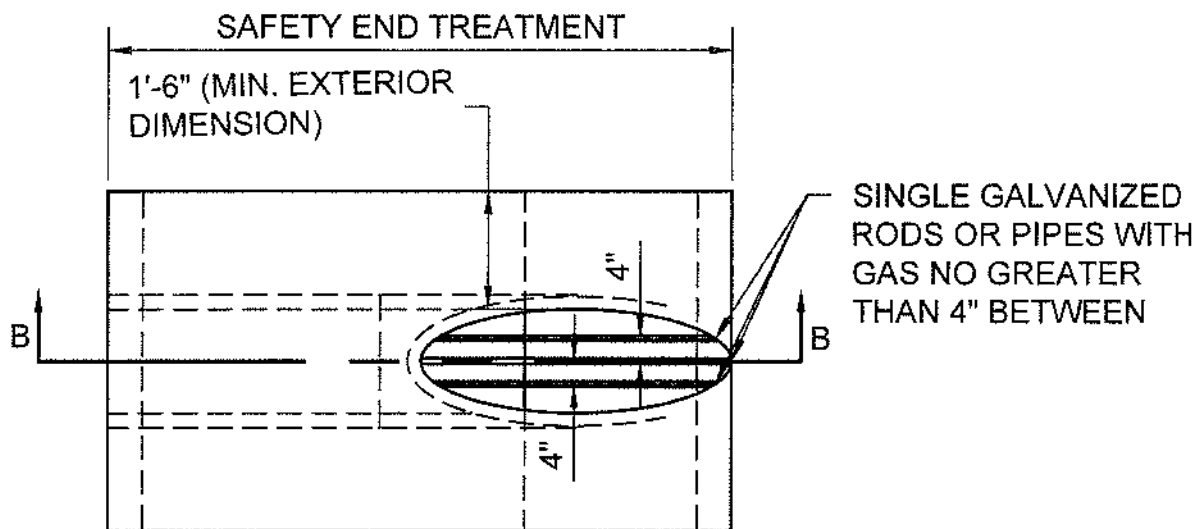
M:\Urban\Grading & Mapping\Grading\Standard Details\City of Pharr\2019 Revisions\DR-10 - Drainage\DR-10 Concrete Flume Details.dwg

**CONCRETE FLUME
DETAILS**

DESIGNED BY:	DESIGNER
DRAWN BY:	DRAWN_BY
CHECKED BY:	CKD_BY
DATE:	DATE

Pharr Engineering
118 S Cage Blvd.
Pharr, TX 78577
956-402-4221

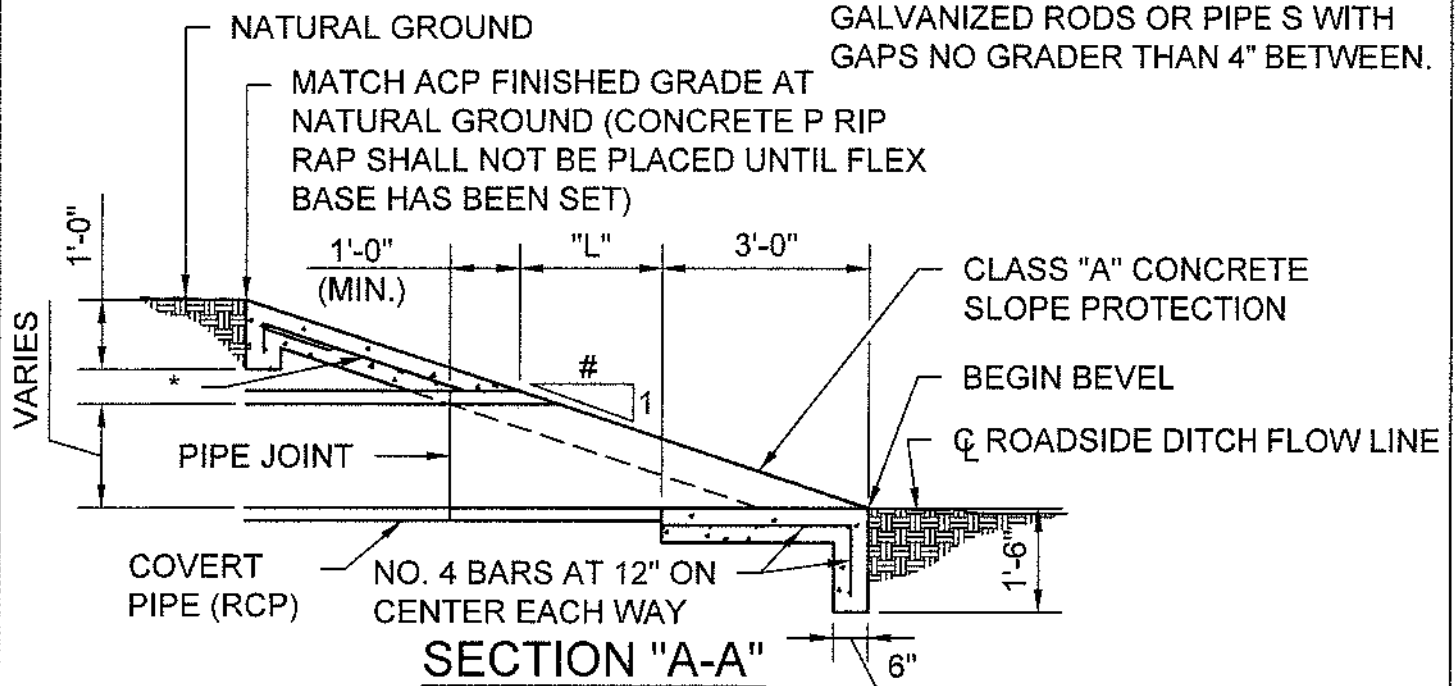




PLAN VIEW
NOT TO SCALE

SINGLE GALVANIZED
RODS OR PIPES WITH
GAPS NO GREATER
THAN 4" BETWEEN

NOTE:
ALL SAFETY END TREATMENTS SHALL
HAVE A GRADE COVER, EMBEDDED
GALVANIZED RODS OR PIPE S WITH
GAPS NO GRADER THAN 4" BETWEEN.



SECTION "A-A"
NOT TO SCALE

GENERAL NOTES:

1. CONCRETE SHALL HAVE A SPECIFIED STRENGTH OF 3,000 PSI (MIN.) AT 28 DAYS.
 2. ALL REINFORCING STEEL BARS SHALL BE GRADE 60.
 3. SUBGRADE AND BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
 4. STANDARD DETAIL FOR CITY OF PHARR ROADSIDE DITCHES.
- * 6" THICK CONCRETE 6X6 NO. 6 GAUGE WELDED WIRE MESH OR NO.4 AT 12" ON CENTER EACH WAY.

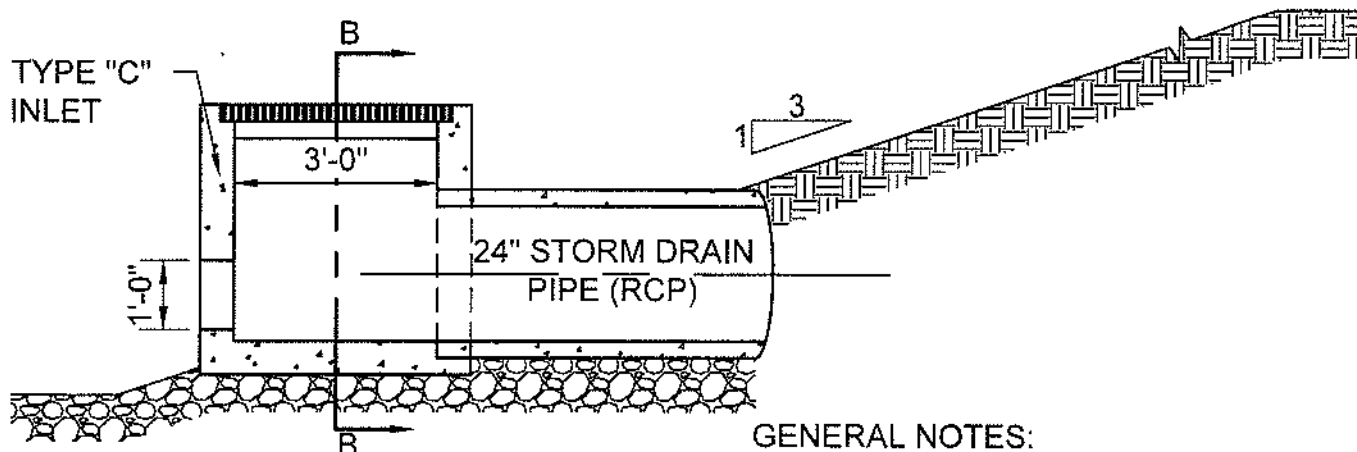
DR-11

**SAFETY END TREATMENT
DETAILS**

DESIGNED BY:	DESIGNER
DRAWN BY:	DRAWN_BY
CHECKED BY:	CKD_BY
DATE:	DATE

Pharr Engineering
118 S Cage Blvd.
Pharr, TX 78577
956-402-4221

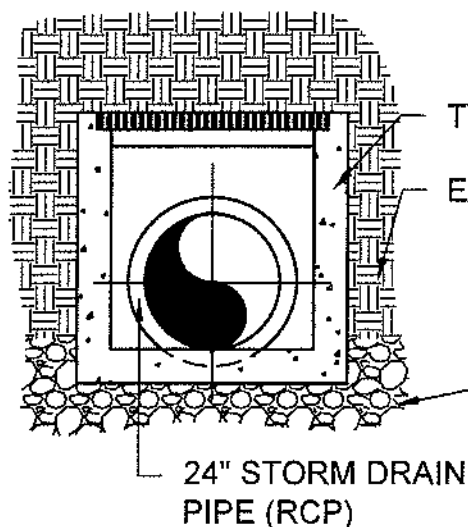




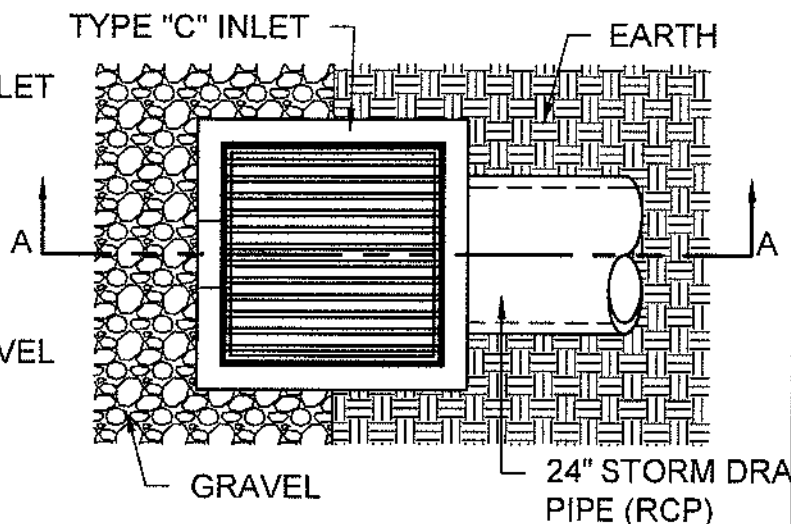
SECTION "A-A"
NOT TO SCALE

GENERAL NOTES:

1. ALL REINFORCING STEEL BARS SHALL BE GRADE 60.
2. ALL REINFORCING STEEL TO BE NO.4 BARS AT 12" ON CENTER EACH WAY.
3. CONCRETE SHALL HAVE A SPECIFIED STRENGTH OF 3,000 PSI (MIN.) AT 28 DAYS.
4. OUTLET STRUCTURE SHALL BE PLACED ON A 6" GRAVEL BEDDING.
5. SUBGRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.



SECTION "B-B"
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

DR-12

M:\0-Drawing & Mapping\0-Drawing\Standards Details\City of Pharr\2019 Revisions\DR - Drainage\DR-12 Outlet Structure Details.dwg

**OUTLET STRUCTURE
DETAILS**

DESIGNED BY:	DESIGNER
DRAWN BY:	DRAWN_BY
CHECKED BY:	CKD_BY
DATE:	DATE

Pharr Engineering
118 S Cage Blvd.
Pharr, TX 78577
956-402-4221



145 pcf
2000 lbs/ton

COST COMPARISON

50' ROW (34' B-B) PER 100 FEET					
ITEM #	DESCRIPTION	QUANTITY		UNIT COST	AMOUNT
1	PRIME COAT	333	SY	\$1.50	\$500.00
2	2 " HMAC TYPE "D"	333	SY	\$9.00	\$3,000.00
3	8" COMPACTED CALCIHE BASE	400	SY	\$10.00	\$4,000.00
4	6" COMPACTED SUBBASE	422	SY	\$2.00	\$844.44
TOTAL					<u>\$8,344.44</u>

50' ROW (40' B-B) PER 100 FEET					
ITEM #	DESCRIPTION	QUANTITY		UNIT COST	AMOUNT
1	PRIME COAT	400	SY	\$ 1.50	\$600.00
2	2 " HMAC TYPE "D"	400	SY	\$ 9.00	\$3,600.00
3	8" COMPACTED CALICHE BASE	466	SY	\$ 10.00	\$4,660.00
4	6" COMPACTED SUBBASE	489	SY	\$ 2.00	\$978.00
TOTAL					<u>\$9,838.00</u>

TOTAL PRICE DIFFERENCE / 100 FT FROM 34' TO 40 ' B-B \$1,493.56

50' ROW
Length 100 ft
Width (HMAC) 30 ft
Width (BASE) 36 ft
Width (SUBBASE) 38 ft

50' ROW
Length 100 ft
Width (HMAC) 36 ft
Width (BASE) 42 ft
Width (SUBBASE) 44 ft



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 5.B.

DATE SUBMITTED: January 25, 2021

MEETING DATE: February 1, 2021

FROM: Karla Saavedra, Finance Director

DEPARTMENT: Finance

DIRECTOR:

Agenda Item: Consideration and action, if any, on Resolution adopting the updated City Fiscal Policies.

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: The City currently has fiscal policies covering debt, use of funds, etc... Per the recommendation of the Bond attorney, we developed Post-Issuance Compliance. Now we would like to update our fiscal policies to include Post-Issuance Compliance that were implemented on December 4, 2017.

Fiscal Consideration:

Staff Recommendation: To Approve

Alternatives:

Exclude Material from Public Packet? No

Reason:

ROUTING:

Karla Saavedra
Patricia Rigney
City Management Office

Created/Initiated - 1/25/2021
Approved - 1/26/2021
Final Approval - 1/29/2021

STATE OF TEXAS
HIDALGO COUNTY
CITY OF PHARR

RESOLUTION No. R-2015-14

WHEREAS, the City of Pharr previously adopted fiscal policies known as "Fiscal Policy Statements", a fiscal management guide, which provides guidance on the City of Pharr fiscal operations; and

WHEREAS, the City Commission is responsible for implementing and updating fiscal policies, with the guidance of the City Manager and Finance Director; and

WHEREAS, the Fiscal Policy Statements of the City of Pharr needs to be amended to include post-issuance compliance is in compliance with State of Texas laws and City of Pharr Charter covenants.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF CITY COMMISSIONERS OF THE CITY OF PHARR, TEXAS, THAT;

SECTION 1: That the City of Pharr Fiscal Policy Statements, attached hereto as Exhibit "A" and made a part hereof for all legal purposes, shall provide a source of fiscal guidance for City of Pharr operations.

SECTION 2: That the City Manager and Finance Director of the City of Pharr are authorized to provide such plan.

PASSED, APPROVED AND ADOPTED BY THE BOARD OF CITY COMMISSIONERS OF THE CITY OF PHARR, TEXAS this 1st February 2021.

CITY OF PHARR

Ambrosio "Amos" Hernandez, Mayor

ATTEST:

Hilda Pedraza, City Clerk



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 5.C.

DATE SUBMITTED: January 21, 2021

MEETING DATE: February 1, 2021

FROM: Maria Rangel, Engineer in Training

DEPARTMENT: Engineering

DIRECTOR: Omar Anzaldua

Agenda Item: Consideration and action, if any, on Resolution executing an Advance Funding Agreement (AFA) with the Texas Department of Transportation (TxDOT) for the Ag Lab, CSJ: 0921-02-433.

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: The proposed Advance Funding Agreement (AFA) with the Texas Department of Transportation (TxDOT) is for the Ag Lab at the Pharr International Bridge. The AFA requires the City to pay a total estimated amount of \$287,200 to TxDOT for review and oversight services. In addition, the City is responsible for 100% of cost overruns.

Fiscal Consideration:

Initial Payment Due at AFA Approval: \$44,200

Payment Due Before Construction: \$243,000

Total: \$287,200

Staff Recommendation: Staff recommends approval of the Resolution executing an AFA with TxDOT for the Ag Lab at the Pharr International Bridge, CSJ 0921-02-433.

Alternatives: No alternatives.

Exclude Material from Public Packet? No

Reason: No exclusion.

ROUTING:

Maria Rangel

Omar Anzaldua

Karla Saavedra

Patricia Rigney

City Management Office

Created/Initiated - 1/21/2021

Approved - 1/26/2021

Approved - 1/29/2021

Approved - 1/29/2021

Final Approval - 1/29/2021

TxDOT:		Federal Highway Administration:	
CSJ #	0921-02-433	CFDA No.	20.205
District #	21 – Pharr	CFDA Title	Highway Planning and Construction
Code Chart 64 #	32600		
Project Name	Ag Lab	AFA Not Used For Research & Development	

STATE OF TEXAS §

COUNTY OF TRAVIS §

**NON-CONSTRUCTION
ADVANCE FUNDING AGREEMENT
For A
Border State Infrastructure (Rider 11B) Project
Off-System**

THIS AGREEMENT (Agreement) is made by and between the State of Texas, acting by and through the **Texas Department of Transportation**, called the “State”, and the **City of Pharr**, acting by and through its duly authorized officials, called the “Local Government”. The State and Local Government shall be collectively referred to as “the parties” hereinafter.

BACKGROUND

Federal law establishes federally funded programs for transportation improvements to implement its public purposes, including the Rider 11B program.

Federal and state laws require local governments to meet certain contract standards relating to the management and administration of State and Federal funds.

The Texas Transportation Commission has codified 43 TAC, Rules 15.50-15.56 that describe federal, state, and local responsibilities for cost participation in highway improvement and other transportation projects.

The Texas Transportation Commission passed Minute Order Number **115550 and 115291**, which provides for development of and funding for the project identified in this agreement.

The Governing Body of the Local Government has approved entering into this agreement by resolution, ordinance, or commissioners court order dated **{Enter Date of Resolution}**, which is attached to and made a part of this Agreement as Attachment A, Resolution, Ordinance, or Commissioners Court Order (Attachment A).

NOW, THEREFORE, the State and the Local Government agree as follows:

AGREEMENT

1. Period of the Agreement

This Agreement becomes effective when signed by the last party whose signing makes the Agreement fully executed. This Agreement shall remain in effect until the close of ordinary business on April 30, 2024.

TxDOT:		Federal Highway Administration:	
CSJ #	0921-02-433	CFDA No.	20.205
District #	21 – Pharr	CFDA Title	Highway Planning and Construction
Code Chart 64 #	32600		
Project Name	Ag Lab	AFA Not Used For Research & Development	

2. Scope of Work

The scope of work is the project (Project) as detailed in Attachment B, Scope of Work (Attachment B), which is attached to and made part of this agreement.

3. Project Sources and Uses of Funds

The total estimated cost of the Project is shown in Attachment C, Project Budget Estimate (Attachment C), which is attached to and made a part of this Agreement.

- A. If the Local Government will perform any work under this Agreement for which reimbursement will be provided by or through the State, the Local Government must complete training. If federal funds are being used, the training must be completed before federal spending authority is obligated. Training is complete when at least one individual who is working actively and directly on the Project successfully completes and receives a certificate for the course entitled “Local Government Project Procedures and Qualification for the Texas Department of Transportation” and retains qualification in accordance with applicable TxDOT procedures. Upon request, the Local Government shall provide the certificate of qualification to the State. The individual who receives the training certificate may be an employee of the Local Government or an employee of a firm that has been contracted by the Local Government to perform oversight of the Project. The State in its discretion may deny reimbursement if the Local Government has not continuously designated in writing a qualified individual to work actively on or to directly oversee the Project.
- B. The expected cash contributions from the federal government, the State, the Local Government, or other parties are shown in Attachment C. The State will pay for only those Project costs that have been approved by the Texas Transportation Commission. For projects with federal funds, the State and the federal government will not reimburse the Local Government for any work performed before the federal spending authority is formally obligated to the Project by the Federal Highway Administration (FHWA). After federal funds have been obligated, the State will send to the Local Government a copy of the formal documentation showing the obligation of funds including federal award information. The Local Government is responsible for 100% of the cost of any work performed under its direction or control before the federal spending authority is formally obligated.
- C. The State will be responsible for securing the federal and State share of the funding required for the Project. If the Local Government is due funds for expenses incurred, these funds will be reimbursed to the Local Government on a cost basis.
- D. The Local Government will be responsible for all non-federal and non-State participation costs associated with the Project. If the State determines that additional funding by the Local Government is required at any time during the Project, the State will notify the Local Government in writing. The Local Government shall make payment to the State within thirty (30) days from receipt of the State’s written notification.
- E. The budget in Attachment C will clearly state all items subject to fixed price funding, specified percentage funding and the periodic payment schedule, when periodic payments have been approved by the State.
- F. If the Local Government is an Economically Disadvantaged County (EDC) and if the State has approved adjustments to the standard financing arrangement, Attachment C reflects those adjustments.

TxDOT:		Federal Highway Administration:	
CSJ #	0921-02-433	CFDA No.	20.205
District #	21 – Pharr	CFDA Title	Highway Planning and Construction
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Project Name	Ag Lab	AFA Not Used For Research & Development	

- G. Whenever funds are paid by the Local Government to the State under this Agreement, the Local Government shall remit a check or warrant made payable to the “Texas Department of Transportation” or may use the State’s Automated Clearing House (ACH) system for electronic transfer of funds in accordance with instructions provided by TxDOT’s Finance Division. The funds shall be deposited and managed by the State and may only be applied by the State to the Project.
- H. The State will not pay interest on any funds provided by the Local Government.
- I. The Local Government is authorized to submit requests for reimbursement by submitting the original of an itemized invoice, in a form and containing all items required by the State, no more frequently than monthly and no later than ninety (90) days after costs are incurred. If the Local Government submits invoices more than ninety (90) days after the costs are incurred and if federal funding is reduced as a result, the State shall have no responsibility to reimburse the Local Government for those costs.
- J. Upon completion of the Project, the State will perform a final accounting of the Project costs for all items of work with specified percentage funding. Any funds due by the Local Government, the State, or the federal government for these work items will be promptly paid by the owing party.
- K. The state auditor may conduct an audit or investigation of any entity receiving funds from the State directly under this Agreement or indirectly through a subcontract under this Agreement. Acceptance of funds directly under this Agreement or indirectly through a subcontract under this Agreement acts as acceptance of the authority of the state auditor, under the direction of the legislative audit committee, 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 state auditor with access to any information the state auditor considers relevant to the investigation or audit.
- L. Payment under this Agreement beyond the end of the current fiscal biennium is subject to availability of appropriated funds. If funds are not appropriated, this Agreement shall be terminated immediately with no liability to either party.

4. Termination of This Agreement

This Agreement may be terminated:

- A. By written mutual consent of the parties;
- B. By one party because of a material breach by the other party, in which case any costs incurred because of the breach shall be paid by the breaching party;
- C. By the State if the Local Government elects not to provide its share of funding, in which case the Local Government shall pay for the State’s reasonable actual costs during the Project;
- D. By the State because the parties are not able to execute a mutually agreeable amendment when the costs for Local Government requested items increase significantly due to differing site conditions, determination that Local government requested work is ineligible for federal or state cost participation, or more thorough definition of the Local Government’s proposed work scope identifies greatly differing costs from those estimated. The State will reimburse Local Government remaining funds to the Local Government within ninety (90) days of termination; or

TxDOT:		Federal Highway Administration:	
CSJ #	0921-02-433	CFDA No.	20.205
District #	21 – Pharr	CFDA Title	Highway Planning and Construction
Code Chart 64 #	32600		
Project Name	Ag Lab	AFA Not Used For Research & Development	

- E. If the Project is inactive for thirty-six (36) consecutive months or longer and no expenditures have been charged against federal funds, in which case the State may in its discretion terminate this Agreement.

5. Amendments

Amendments to this Agreement shall be in writing and shall be executed by both of the parties.

6. Remedies

This Agreement shall not be considered as specifying the exclusive remedy for any agreement default, but all remedies existing at law and in equity may be availed of by either party to this Agreement and shall be cumulative.

7. Notices

All notices to either party shall be delivered personally or sent by certified or U.S. mail, postage prepaid, addressed to that party at the following address:

Local Government:	State:
City of Pharr ATTN: Mayor 118 S. Cage Blvd. Pharr, Texas 78577	Texas Department of Transportation ATTN: Director of Contract Services 125 E. 11 th Street Austin, TX 78701

All notices shall be deemed given on the date delivered in person or deposited in the mail, unless otherwise provided by this Agreement. Either party may change the above address by sending written notice of the change to the other party. Either party may request in writing that notices shall be delivered personally or by certified U.S. mail, and that request shall be carried out by the other party.

8. Legal Construction

If one or more of the provisions contained in this Agreement shall for any reason be held invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provisions and this Agreement shall be construed as if it did not contain the invalid, illegal, or unenforceable provision.

9. Responsibilities of the Parties

The State and the Local Government agree that neither party is an agent, servant, or employee of the other party, and each party agrees it is responsible for its individual acts and deeds as well as the acts and deeds of its employees, representatives, and agents.

10. Ownership of Documents

Upon completion or termination of this Agreement, all documents prepared by the State shall remain the property of the State. All data and information prepared under this Agreement shall be made available to the State without restriction or limitation on their further use. All documents produced or approved or otherwise created by the Local Government shall be

TxDOT:		Federal Highway Administration:	
CSJ #	0921-02-433	CFDA No.	20.205
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Code Chart 64 #	32600		
Project Name	Ag Lab	AFA Not Used For Research & Development	

transmitted to the State, in the format directed by the State, on a monthly basis or as required by the State. The originals shall remain the property of the Local Government.

11. Compliance with Laws

The parties to this Agreement shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any manner affecting the performance of this Agreement. When required, the Local Government shall furnish the State with satisfactory proof of this compliance.

12. Sole Agreement

This Agreement constitutes the sole and only agreement between the parties and supersedes any prior understandings or written or oral agreements respecting the Agreement's subject matter.

13. Cost Principles

In order to be reimbursed with federal funds, the parties shall comply with the cost principles established in 2 CFR 200 that specify that all reimbursed costs are allowable, reasonable, and allocable to the Project.

14. Procurement and Property Management Standards

The parties to this Agreement shall adhere to the procurement and property management standards established in 2 CFR 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, and to the Texas Uniform Grant Management Standards. When required by state or federal statute or regulation, the State must pre-approve the Local Government's procurement procedures for purchases to be eligible for reimbursement with state or federal funds.

15. Inspection of Books and Records

The parties to this Agreement shall maintain all books, documents, papers, accounting records, and other documentation relating to costs incurred under this Agreement and shall make such materials available to the State, the Local Government, and, if federally funded, the FHWA and the U.S. Office of the Inspector General or their duly authorized representatives for review and inspection at its office during the Agreement period and for seven (7) years from the date of final reimbursement by FHWA under this Agreement or until any impending litigation or claims are resolved. Additionally, the State, the Local Government, and the FHWA and their duly authorized representatives shall have access to all the governmental records that are directly applicable to this Agreement for the purpose of making audits, examinations, excerpts, and transcriptions.

16. Civil Rights Compliance

The parties to this Agreement are responsible for the following:

- A. Compliance with Regulations: Both parties will comply with the Acts and the Regulations relative to Nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation (USDOT), the Federal Highway Administration (FHWA), as they may be amended from time to time, which are herein incorporated by reference and made part of this Agreement.

TxDOT:		Federal Highway Administration:	
CSJ #	0921-02-433	CFDA No.	20.205
District #	21 – Pharr	CFDA Title	Highway Planning and Construction
Code Chart 64 #	32600		
Project Name	Ag Lab	AFA Not Used For Research & Development	

- B. Nondiscrimination: The Local Government, with regard to the work performed by it during the Agreement, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The Local Government will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the Agreement covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.
- C. Solicitations for Subcontracts, Including Procurement of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the Local Government for work to be performed under a subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier will be notified by the Local Government of the Local Government's obligations under this Agreement and the Acts and Regulations relative to Nondiscrimination on the grounds of race, color, or national origin.
- D. Information and Reports: The Local Government will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto, and will permit access to its books, records, accounts, other sources of information, and facilities as may be determined by the State or the FHWA to be pertinent to ascertain compliance with such Acts, Regulations or directives. Where any information required of the Local Government is in the exclusive possession of another who fails or refuses to furnish this information, the Local Government will so certify to the State or the FHWA, as appropriate, and will set forth what efforts it has made to obtain the information.
- E. Sanctions for Noncompliance: In the event of the Local Government's noncompliance with the Nondiscrimination provisions of this Agreement, the State will impose such contract sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:
1. withholding of payments to the Local Government under the Agreement until the Local Government complies and/or
 2. cancelling, terminating, or suspending of the Agreement, in whole or in part.
- F. Incorporation of Provisions: The Local Government will include the provisions of paragraphs (A) through (F) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The Local Government will take such action with respect to any subcontract or procurement as the State or the FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Local Government becomes involved in, or is threatened with, litigation with a subcontractor or supplier because of such direction, the Local Government may request the State to enter into such litigation to protect the interests of the State. In addition, the Local Government may request the United States to enter into such litigation to protect the interests of the United States.

17. Pertinent Non-Discrimination Authorities

During the performance of this Agreement, each party, for itself, its assignees, and successors in interest agree to comply with the following nondiscrimination statutes and authorities; including but not limited to:

TxDOT:		Federal Highway Administration:	
CSJ #	0921-02-433	CFDA No.	20.205
District #	21 – Pharr	CFDA Title	Highway Planning and Construction
Code Chart 64 #	32600		
Project Name	Ag Lab	AFA Not Used For Research & Development	

- A. Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- B. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of federal or federal-aid programs and projects).
- C. Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), as amended, (prohibits discrimination on the basis of sex).
- D. Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.) as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27.
- E. The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age).
- F. Airport and Airway Improvement Act of 1982, (49 U.S.C. Chapter 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex).
- G. The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the federal-aid recipients, subrecipients and contractors, whether such programs or activities are federally funded or not).
- H. Titles II and III of the Americans with Disabilities Act, which prohibits discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38.
- I. The Federal Aviation Administration’s Nondiscrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex).
- J. Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations.
- K. Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, the parties must take reasonable steps to ensure that LEP persons have meaningful access to the programs (70 Fed. Reg. at 74087 to 74100).
- L. Title IX of the Education Amendments of 1972, as amended, which prohibits the parties from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq.).

18. Disadvantaged Business Enterprise (DBE) Program Requirements

If federal funds are used:

- a. The parties shall comply with the Disadvantaged Business Enterprise Program requirements established in 49 CFR Part 26.
- b. The Local Government shall adopt, in its totality, the State’s federally approved DBE program.

TxDOT:		Federal Highway Administration:	
CSJ #	0921-02-433	CFDA No.	20.205
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Project Name	Ag Lab	AFA Not Used For Research & Development	

- c. The Local Government shall incorporate into its contracts with subproviders an appropriate DBE goal consistent with the State's DBE guidelines and in consideration of the local market, project size, and nature of the goods or services to be acquired. The Local Government shall submit its proposed scope of services and quantity estimates to the State to allow the State to establish a DBE goal for each Local Government contract with a subprovider. The Local Government shall be responsible for documenting its actions.
- d. The Local Government shall follow all other parts of the State's DBE program referenced in TxDOT Form 2395, Memorandum of Understanding Regarding the Adoption of the Texas Department of Transportation's Federally-Approved Disadvantaged Business Enterprise by Entity, and attachments found at web address http://ftp.dot.state.tx.us/pub/txdot-info/bop/dbe/mou/mou_attachments.pdf.
- e. The Local Government shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of any U.S. Department of Transportation (DOT)-assisted contract or in the administration of its DBE program or the requirements of 49 CFR Part 26. The Local Government shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure non-discrimination in award and administration of DOT-assisted contracts. The State's DBE program, as required by 49 CFR Part 26 and as approved by DOT, is incorporated by reference in this Agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as a violation of this Agreement. Upon notification to the Local Government of its failure to carry out its approved program, the State may impose sanctions as provided for under 49 CFR Part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and the Program Fraud Civil Remedies Act of 1986 (31 U.S.C. 3801 et seq.).
- f. Each contract the Local Government signs with a contractor (and each subcontract the prime contractor signs with a sub-contractor) must include the following assurance: *The contractor, sub-recipient, or sub-contractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this Agreement, which may result in the termination of this Agreement or such other remedy as the recipient deems appropriate.*

19. Debarment Certifications

If federal funds are used, the parties are prohibited from making any award at any tier to any party that is debarred or suspended or otherwise excluded from or ineligible for participation in Federal Assistance Programs under Executive Order 12549, "Debarment and Suspension." By executing this Agreement, the Local Government certifies that it and its principals are not currently debarred, suspended, or otherwise excluded from or ineligible for participation in Federal Assistance Programs under Executive Order 12549 and further certifies that it will not do business with any party, to include principals, that is currently debarred, suspended, or otherwise excluded from or ineligible for participation in Federal Assistance Programs under Executive Order 12549. The parties to this Agreement shall require any party to a subcontract

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or purchase order awarded under this Agreement to certify its eligibility to receive federal funds and, when requested by the State, to furnish a copy of the certification.

If state funds are used, the parties are prohibited from making any award to any party that is debarred under the Texas Administrative Code, Title 34, Part 1, Chapter 20, Subchapter G, Rule §20.585 and the Texas Administrative Code, Title 43, Part 1, Chapter 9, Subchapter G.

20. Lobbying Certification

If federal funds are used, in executing this Agreement, each signatory certifies to the best of that signatory's knowledge and belief, that:

- A. No federal appropriated funds have been paid or will be paid by or on behalf of the parties to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
- B. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with federal contracts, grants, loans, or cooperative agreements, the signatory for the Local Government shall complete and submit the Federal Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- C. The parties shall require that the language of this certification shall be included in the award documents for all sub-awards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and all sub-recipients shall certify and disclose accordingly. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Title 31 U.S.C. §1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

21. Federal Funding Accountability and Transparency Act Requirements

If federal funds are used, the following requirements apply:

- A. Any recipient of funds under this Agreement agrees to comply with the Federal Funding Accountability and Transparency Act (FFATA) and implementing regulations at 2 CFR Part 170, including Appendix A. This Agreement is subject to the following award terms: <http://www.gpo.gov/fdsys/pkg/FR-2010-09-14/pdf/2010-22705.pdf> and <http://www.gpo.gov/fdsys/pkg/FR-2010-09-14/pdf/2010-22706.pdf>.
- B. The Local Government agrees that it shall:
 1. Obtain and provide to the State a System for Award Management (SAM) number (Federal Acquisition Regulation, Part 4, Sub-part 4.11) if this award provides more than \$25,000 in federal funding. The SAM number may be obtained by visiting the SAM website whose address is: <https://www.sam.gov/portal/public/SAM/>
 2. Obtain and provide to the State a Data Universal Numbering System (DUNS) number, a unique nine-character number that allows federal government to track

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the distribution of federal money. The DUNS may be requested free of charge for all businesses and entities required to do so by visiting the Dun & Bradstreet (D&B) on-line registration website <http://fedgov.dnb.com/webform>; and

3. Report the total compensation and names of its top five executives to the State if:
 - i. More than 80% of annual gross revenues are from the federal government, and those revenues are greater than \$25,000,000; and
 - ii. The compensation information is not already available through reporting to the U.S. Securities and Exchange Commission.

22. Single Audit Report

If federal funds are used:

- A. The parties shall comply with the single audit report requirements stipulated in 2 CFR 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards.
- B. If threshold expenditures of \$750,000 or more are met during the fiscal year, the Local Government must submit a Single Audit Report and Management Letter (if applicable) to TxDOT's Compliance Division, 125 East 11th Street, Austin, TX 78701 or contact TxDOT's Compliance Division by email at singleaudits@txdot.gov.
- C. If expenditures are less than the threshold during the Local Government's fiscal year, the Local Government must submit a statement to TxDOT's Compliance Division as follows: "We did not meet the \$_____ expenditure threshold and therefore, are not required to have a single audit performed for FY _____."
- D. For each year the Project remains open for federal funding expenditures, the Local Government will be responsible for filing a report or statement as described above. The required annual filing shall extend throughout the life of the Agreement, unless otherwise amended or the Project has been formally closed out and no charges have been incurred within the current fiscal year.

TxDOT:		Federal Highway Administration:	
CSJ #	0921-02-433	CFDA No.	20.205
District #	21 – Pharr	CFDA Title	Highway Planning and Construction
Code Chart 64 #	32600		
Project Name	Ag Lab	AFA Not Used For Research & Development	

23. Signatory Warranty

Each signatory warrants that the signatory has necessary authority to execute this Agreement on behalf of the entity represented.

Each party is signing this Agreement on the date stated under that party's signature.

THE STATE OF TEXAS	THE LOCAL GOVERNMENT
_____	_____
Signature	Signature
_____	_____
Kenneth Stewart	Typed or Printed Name
Typed or Printed Name	Typed or Printed Name
_____	_____
Director of Contract Services	Typed or Printed Title
Typed or Printed Title	Typed or Printed Title
_____	_____
Date	Date

ATTACHMENT A

RESOLUTION, ORDINANCE, OR COMMISSIONERS COURT ORDER

FOR REVIEW ONLY

ATTACHMENT B

SCOPE OF WORK

Project Background/Criteria. The project is a proposed donation to the United States Customs and Border Protection (CBP) from the City of Pharr, Texas, and is included in the FY16 Donations Acceptance Program (DAP). The project will assist in expediting the inspection process for both agriculture and non-agriculture imports that are transported by semi-trailer and truck vehicles entering the Pharr Land Port of Entry (LPOE). The project was initially programmed by the City of Pharr, General Services Administration (GSA), Customs and Border Protection (CBP), and United States Department of Agriculture (USDA) to provide inspection facilities at the City of Pharr LPOE and was designed by Halff Associates, Inc.

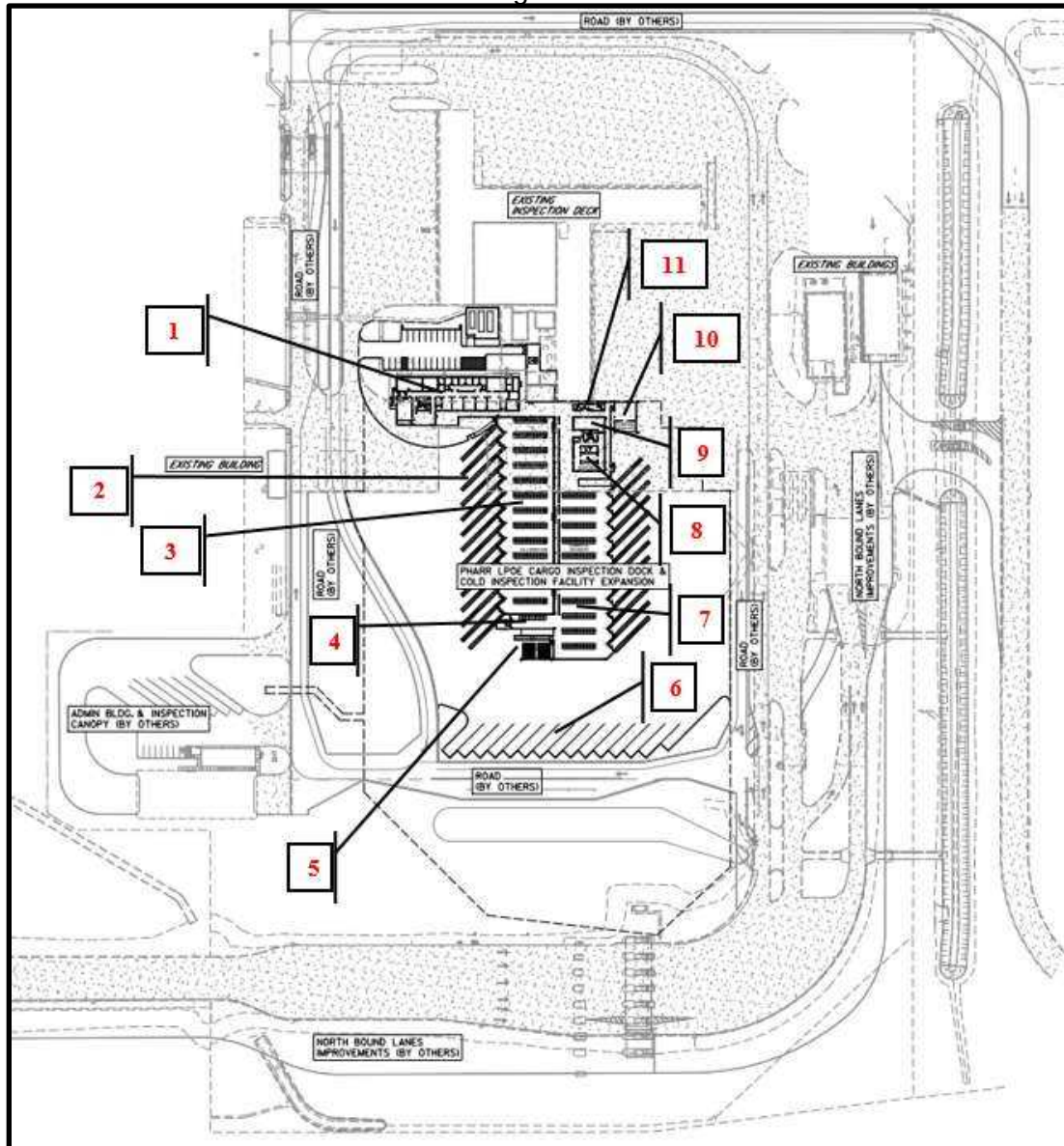
All design documents for the Project were prepared in the English language, in English units, and formatted in accordance with the design standards and guidelines for GSA, CBP and the City of Pharr.

- Requirements of the National Environmental Policy Act (NEPA);
- GSA P-100 Standards;
- CBP 2014 Land Port of Entry Design Guide; and
- other applicable Local, State, and Federal Design Standards.

Project Description/Purpose. The proposed Agriculture Inspection Facility will be a completely new brick and mortar building designed to meet the growing demands of the commercial truck perishables/produce industry. The improvements include an Agriculture Lab and Training Center that is approximately 10,365 square feet. It will be built next to the new dry dock and cold inspection facility expansion to allow for expedited transferring of products that need to be tested. The new facility will be a fully-equipped center for agriculture specialists, entomologists and insect identifiers, to keep up with the exponential growth of perishables/produce importations. Additionally, the project will include all associated site work.

The Agricultural Lab will be owned and maintained by CBP once the project is complete. The City of Pharr has entered into a Donation Acceptance Agreement (DAA) with CBP and GSA, attached hereto that outline the financial responsibilities for the operation, maintenance and repair of the Donated Property.

Figure 1



1. **Agriculture Lab and Training Center** – This 10,365 square feet space has an occupancy capacity of 104, with rooms allotted for laboratories, offices, work areas, training room, break room, fire riser room, mechanical room, recycling and restroom facilities.
2. **24 Truck Dock Spaces**
This project will create 13 new truck dock spaces for the Cold Rooms and 11 dock spaces for the Dry Docks. The new dock spaces have a 45-degree angle truck parking design and each measure 16'W x 100'L.
3. **Cold Inspection Facility**
This project creates a 23,491 square feet space that will be refrigerated to allow for the inspection of refrigerated goods in 13 rooms that each measure 22.5'W x 73'L.

4. **Forklifts Charging Stations & Storage**

This 1,705 square feet space has eight forklift charging stations, a storage room, an electrical room and an IT closet.

5. **Informal Inspections Space**

This 1,219 square feet outdoor space is covered with a canopy and is located near the forklift and pedestrian ramp into the south part of the Secondary Cargo Inspection facility.

6. **15 Extra Truck Parking Spaces** – each 16'W x 100'L

Along with extra maneuvering space, this project provides an additional 15 truck spaces to the south of the new facility. All pavement improvements are reinforced concrete, measuring 11.5 inches thick in the truck movement and parking areas and 6 inches thick in the vehicle parking areas.

7. **Cargo Inspection Facility**

This project creates a 32,257 square feet space for the inspection of imported goods in 11 rooms that each measure 22.5'W x 73'L.

8. **Operations Management Space**

This 2,491 square feet space has an occupancy capacity of 25, with open concept desks spaces and rooms allotted for an office, a break room, an electrical room, a janitor's closet, and restroom facilities.

9. **Broker's Processing Space**

This 879 square feet space has broker boxes and an occupancy capacity of 60.

10. **Stevedore's & Driver's Break Area**

This 1,426 square feet outdoor space is covered with a canopy and is located near the Broker's and Operations Management Area, northwest of the Secondary Cargo Inspection facility. Both areas are to be furnished with benches and tables.

11. **Driver's Restrooms**

This 446 square feet space has a water fountain station and separate restroom facilities for women and men. It is located adjacent to the Driver's Break Area.

FY 16 DAP Projects: Dock Expansion Ph I (Dry Dock) 0921-02-424, Dock Expansion Ph II (Cold Units) 0921-02-424, Ag Lab (0921-02-433)		191.4 wks	Mon 8/31/20	Tue 4/30/24
Task 1 Environmental Compliance		49 wks	Mon 8/31/20	Fri 8/6/21
1.1 Environmental Clearance		49 wks	Mon 8/31/20	Fri 8/6/21
Task 2 PS&E Development		49 wks	Mon 8/31/20	Fri 8/6/21
2.1 Update Plans to TxDOT format		6.2 wks	Mon 8/31/20	Mon 10/12/20
2.2 Bid Document Preparation		9.8 wks	Tue 6/1/21	Fri 8/6/21
Task 3 Letting and Award		18.2 wks	Fri 9/3/21	Fri 1/7/22
3.1 Advertising, Bid Opening, Bid Tabulation, and Bid Analysis		91 days	Fri 9/3/21	Fri 1/7/22
Task 4 Construction		109.8 wks	Mon 1/24/22	Thu 2/29/24
4.1 Notice to Proceed		0.2 wks	Mon 1/24/22	Mon 1/24/22
4.2 Construction		107.8 wks	Mon 2/7/22	Thu 2/29/24
Task 5 Project Close Out		8.6 wks	Fri 3/1/24	Tue 4/30/24
5.1 Project Close Out		8.6 wks	Fri 3/1/24	Tue 4/30/24

ATTACHMENT C PROJECT BUDGET ESTIMATE

Construction costs (Rider 11B) are allocated based on 80% Federal funding and 20% State funding, with additional participation by the Local Government in the amount of \$4,000,000. The Local Government is responsible for 100% of project cost overruns. The Local government is responsible for 100% of Preliminary Engineering (PE), Environmental documents, Construction Engineering, and all Direct State Costs. The following is an estimated breakdown of the project costs and funding participation.

Description	Total Estimated Cost	Federal Participation		State Participation		Local Participation	
		%	Cost	%	Cost	%	Cost
Preliminary Engineering (100% LG)	\$250,000	0%	\$0	0%	\$0	100%	\$250,000
Environmental (100% LG)	\$10,000	0%	\$0	0%	\$0	100%	\$10,000
Construction (Rider 11B)	\$8,000,000	80%	\$6,400,000	20%	\$1,600,000	0%	\$0
Construction (100% LG)	\$4,000,000	0%	\$0	0%	\$0	100%	\$4,000,000
Construction Engineering (100% LG)	\$150,000	0%	\$0	0%	\$0	100%	\$150,000
Subtotal	\$12,410,000	\$6,400,000		\$1,600,000		\$4,410,000	
Engineering Direct State Costs	\$22,100	0%	\$0	0%	\$0	100%	\$22,100
Environmental Direct State Costs	\$8,840	0%	\$0	0%	\$0	100%	\$8,840
Right of Way Direct State Costs	\$6,630	0%	\$0	0%	\$0	100%	\$6,630
Utility Direct State Costs	\$6,630	0%	\$0	0%	\$0	100%	\$6,630
Construction Direct State Costs	\$243,000	0%	\$0	0%	\$0	100%	\$243,000
Indirect State Costs	\$560,932	0%	\$0	100%	\$560,932	0%	\$0
Subtotal	\$848,132	\$0		\$560,932		\$287,200	
TOTAL	\$13,258,132	\$6,400,000		\$2,160,932		\$4,697,200	

Initial payment by the Local Government to the State: \$44,200.00

Payment by the Local Government to the State before Construction: \$243,000.00

Estimated total payment by the Local Government to the State: \$287,200.00

This is an estimate. The final amount of Local Government participation will be based on actual costs.

RESOLUTION NO. R-2021-__

**ADVANCE FUNDING AGREEMENT
BORDER STATE INFRASTRUCTURE (RIDER 11B) PROJECT OFF-SYSTEM
AG LAB AT PHARR INTERNATIONAL BRIDGE
CSJ: 0921-02-433**

WHEREAS, federal law establishes federally funded programs for transportation improvements to implement its public purposes; and

WHEREAS, the Texas Transportation Code, Section 201.103 establishes that the State shall design, construct and operate a system of highways in cooperation with local governments, and Section 222.052 authorizes the Texas Transportation Commission to accept contributions from political subdivisions for development and construction of public roads and the state highway system within the political subdivision, and

WHEREAS, federal and state laws require local governments to meet certain contract standards relating to the management and administration of State and federal funds; and

WHEREAS, the Texas Transportation Commission passed Minute Order Number **115550** and **115291** authorizing the State to undertake and complete a highway improvement or other transportation project generally described as **a new building that will include an Agriculture Lab and Training Center (10,365 sq. ft.), Cold Storage and Dry Dock (55,748 sq. ft.), and associated appurtenant structures and site work;** and

WHEREAS, The City of Pharr wishes to enter into an Advance Funding Agreement with the State of Texas Department of Transportation for a Border State Infrastructure (Rider 11B) Project Off-System, Ag Lab at Pharr International Bridge CSJ: 0921-02-433; and

WHEREAS, The City of Pharr total estimated cost to the State will be **\$287,200** (*This is an estimate. The final amount of Local Government participation will be based on actual costs. The City of Pharr is also responsible for 100% of cost overruns.*) and authorizes initial payment in the amount of **\$44,200** to the Texas Department of Transportation Trust Fund.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF COMMISSIONERS OF THE CITY OF PHARR, TEXAS, THAT:

The City of Pharr authorizes the Mayor to execute any and all documents necessary to effectuate said Advance Funding Agreement.

The City of Pharr authorizes the issuance of a check in the initial amount of **\$44,200** to the Texas Department of Transportation Trust Fund.

This resolution shall take effect immediately from and after its passage.

PASSED AND APPROVED this 1st day of February 2021, by the Board of Commissioners of the City of Pharr, Texas.

CITY OF PHARR

Ambrosio Hernandez, Mayor

ATTEST:

Hilda Pedraza, City Clerk



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 5.D.

DATE SUBMITTED: January 27, 2021

MEETING DATE: February 1, 2021

FROM: Hilda Pedraza, City Clerk

DEPARTMENT: Administration

DIRECTOR: Edward Wylie

Agenda Item: Consideration and action, if any, on Resolution authorizing the City of Pharr to participate with cities as a party in AEP Texas, Inc.'s filing, PUC Docket No. 51671.

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: On December 31, 2020, AEP Texas Inc. ("AEP" or "Company") filed an Application for Final Reconciliation of its Advanced Metering Costs with the Public Utility Commission of Texas ("PUC"). In the filing, the Company asserts that it is seeking approval of a regulatory asset for approximately \$13,807,740 for under-recovery of Advanced Metering Costs.

The resolution authorizes the City to join with the Cities Served by AEP ("Cities") to intervene in the proceeding, evaluate the filing, determine whether the filing complies with law, and if lawful, to determine what further strategy, including settlement, to pursue.

The purpose of the Resolution is to approve joining Cities in intervening in PUC Docket 51671.

Fiscal Consideration: Information not available at this time.

Staff Recommendation: Staff recommends approval.

Alternatives: Not to participate.

Exclude Material from Public Packet? No

Reason: N/A

ROUTING:

Hilda Pedraza
Karla Saavedra
Patricia Rigney
City Management Office

Created/Initiated - 1/27/2021
Approved - 1/27/2021
Approved - 1/27/2021
Final Approval - 1/29/2021

RESOLUTION NO. R-2021-_____

RESOLUTION OF THE CITY OF PHARR APPROVING COOPERATION WITH THE CITIES SERVED BY AEP TO REVIEW AEP TEXAS INC.'S REQUESTED FINAL RECONCILIATION OF ADVANCED METERING COSTS; HIRING LEGAL AND CONSULTING SERVICES TO NEGOTIATE WITH THE COMPANY AND DIRECT ANY NECESSARY LITIGATION AND APPEALS; FINDING THAT THE MEETING AT WHICH THIS RESOLUTION IS PASSED IS OPEN TO THE PUBLIC AS REQUIRED BY LAW; REQUIRING NOTICE OF THIS RESOLUTION TO LEGAL COUNSEL

WHEREAS, on or about December 31, 2020, AEP Texas Inc. ("AEP" or "Company"), pursuant to the Public Utility Commission of Texas ("Commission" or "PUC") Substantive Rule 25.130(k)(6), filed with the Commission an application for Final Reconciliation of Advanced Metering Costs, PUC Docket No. 51671; and

WHEREAS, the City of Pharr will cooperate with similarly situated city members and other city participants located within the AEP service area in conducting a review of the Company's application and to hire and direct legal counsel and consultants and to prepare a common response and to negotiate with the Company and direct any necessary litigation; and

WHEREAS, working with the Cities Served by AEP ("Cities") to review the rates charged by AEP allows members to accomplish more collectively than each city could do acting alone; and

WHEREAS, Cities has a history of participation in PUC dockets and projects, as well as court proceedings, affecting transmission and distribution utility rates in AEP's service area to protect the interests of municipalities and electric customers residing within municipal boundaries; and

WHEREAS, PURA § 33.023 provides that costs incurred by cities in ratemaking activities are to be reimbursed by the regulated utility.

THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PHARR, TEXAS:

1. That the City is authorized to participate with Cities in PUC Docket No. 51671.
2. That subject to the right to terminate employment at any time, the City of Pharr hereby authorizes the hiring of the law firm of Lloyd Gosselink and consultants to negotiate with the Company, make recommendations to the City regarding reasonable

rates, and to direct any necessary administrative proceedings or court litigation associated with an appeal of this application filed with the PUC.

3. That the City's reasonable rate case expenses shall be reimbursed by AEP.

4. That it is hereby officially found and determined that the meeting at which this Resolution is passed is open to the public as required by law and the public notice of the time, place, and purpose of said meeting was given as required.

5. A copy of this Resolution shall be sent to Thomas Brocato, Counsel to Cities, at Lloyd Gosselink Rochelle & Townsend, P.C., 816 Congress Avenue, Suite 1900, Austin, Texas 78701.

PASSED AND APPROVED this the _____ day of February, 2021.

Mayor, City of Pharr

ATTEST:

City Secretary



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 6.A.

DATE SUBMITTED: January 28, 2021

MEETING DATE: February 1, 2021

FROM: Omar Anzaldua, City Engineer

DEPARTMENT: Engineering

DIRECTOR: Omar Anzaldua

Agenda Item: Consideration and action, if any, amending the Professional Architect Rotation List for Architectural Projects.

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: Staff is requesting to add various Architectural Firms to the added to the Architect Rotation List

Fiscal Consideration: N/A

Staff Recommendation: Staff recommends amending the Professional Architect Rotation List for Architectural Projects.

Alternatives: N/A

Exclude Material from Public Packet? No

Reason: N/A

ROUTING:

Omar Anzaldua

Created/Initiated - 1/28/2021

Omar Anzaldua

Approved - 1/28/2021

Ignacio Amezcua

Approved - 1/28/2021

Patricia Rigney

Approved - 1/28/2021

Karla Saavedra

Approved - 1/28/2021

City Management Office

Final Approval - 1/29/2021



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 7.A.

DATE SUBMITTED: December 30, 2020

MEETING DATE: February 1, 2021

FROM: Iris Mata, Secretary

DEPARTMENT: Development Services

DIRECTOR: Melanie Cano

Agenda Item:

Consideration and action, if any, on acquisition of Hidalgo County Irrigation District No. 2 easement.

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: The City of Pharr is moving forward with platting Lot 2 of the Northside Aquatic Center Subdivision, however the Hidalgo County Irrigation District #2 claims a 30' easement running north between Lots 133-134, Kelly- Pharr Subdivision. In order to move forward, the City must request a release of easement from the HCID #2. The City is proposing to offer approximately \$16,200 for a 30' x 606' easement.

Fiscal Consideration: The City is making an offer of \$16,186.50

Staff Recommendation: Staff recommends approval.

Alternatives: n/a

Exclude Material from Public Packet? No

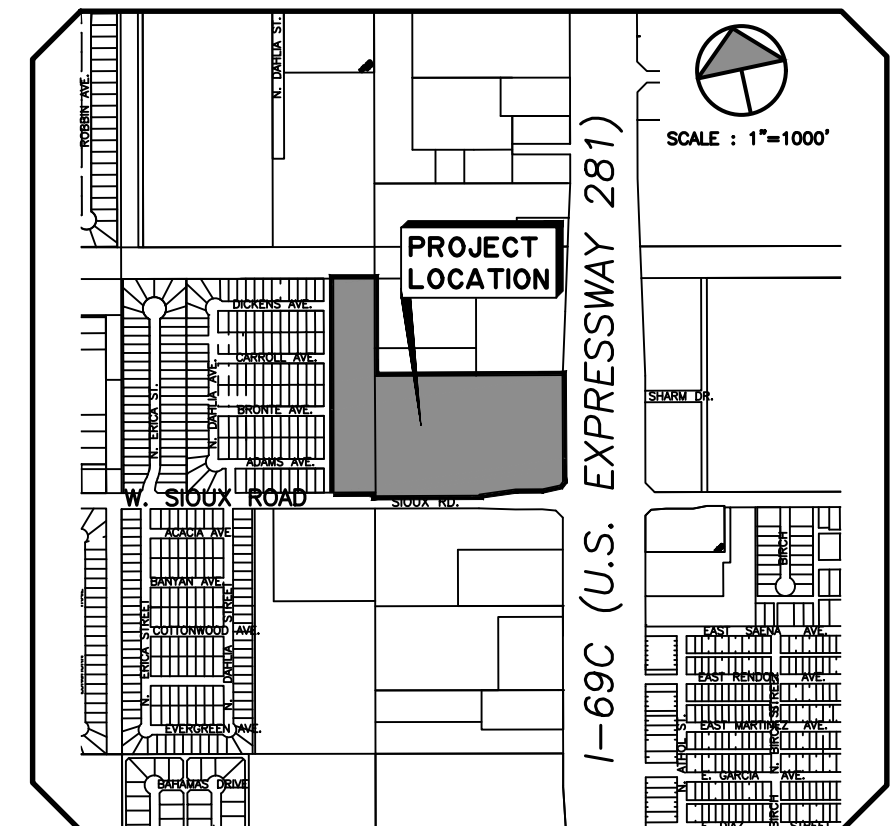
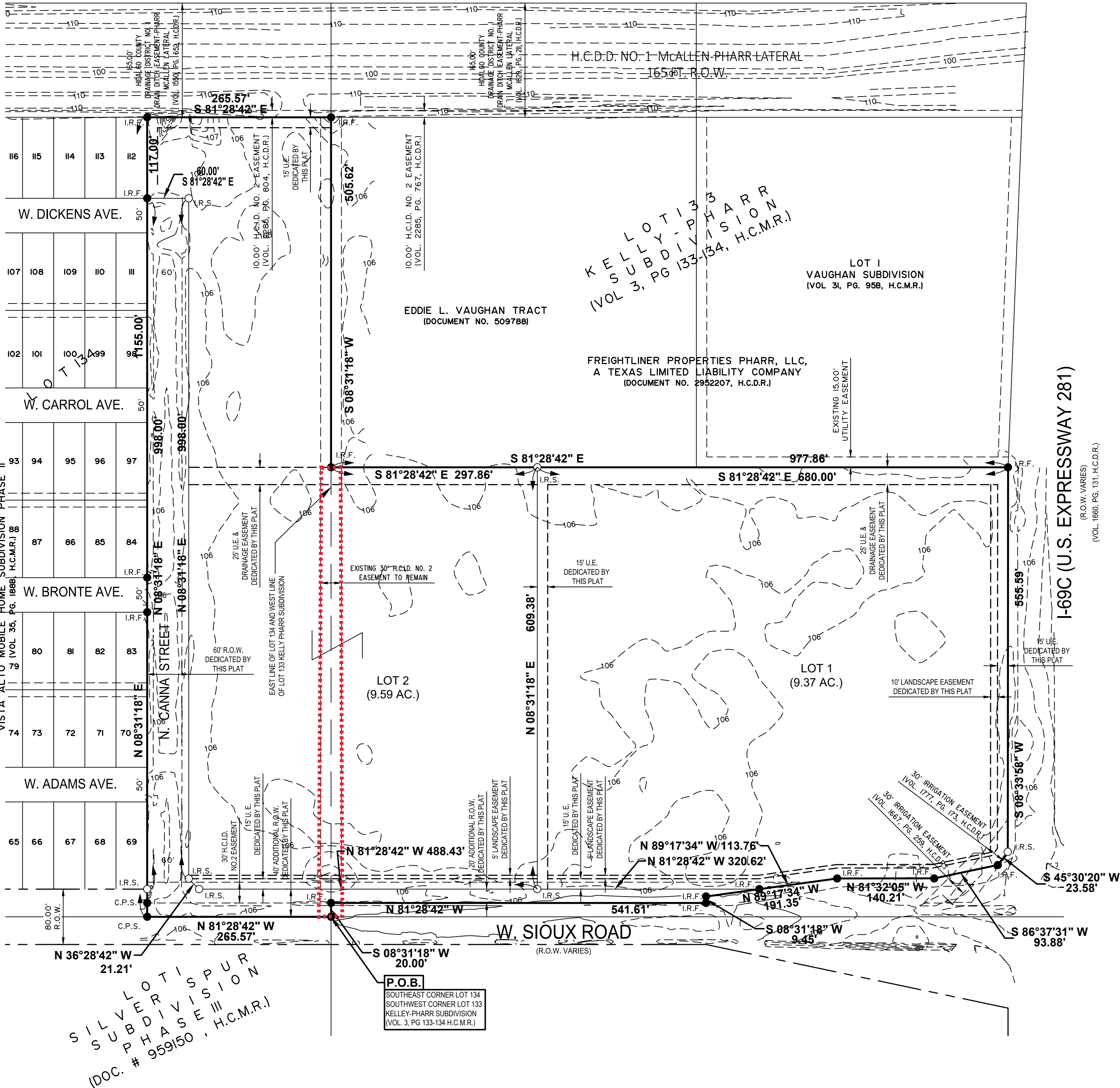
Reason: n/a

ROUTING:

Iris Mata
Melanie Cano
Karla Saavedra
Patricia Rigney
City Management Office

Created/Initiated - 12/30/2020
Approved - 1/28/2021
Approved - 1/28/2021
Approved - 1/28/2021
Final Approval - 1/29/2021

A: Cad, Rev: 23, Is: (LWS, Tech), User: jh
H:\TWG901\Pharr Aquatics Facility\DESIGN\DWG\01-TWG901-PLAT.dwg
Lvl: Layout



CITY OF PHARR - NORTH SIDE AQUATIC CENTER SUBDIVISION PHARR, TEXAS

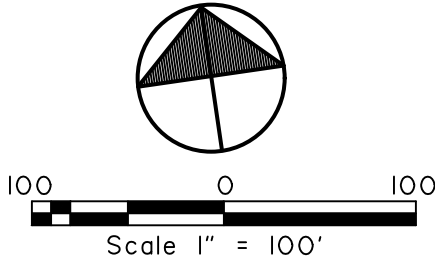
A TRACT OF LAND CONTAINING 20.84 ACRES OF LAND SITUATED IN HIDALGO COUNTY, TEXAS AND ALSO BEING A PART OF LOTS 133 AND 134, KELLY-PHARR SUBDIVISION, RECORDED IN VOLUME 3, PAGE 134, H.C.D.R. HIDALGO COUNTY, TEXAS



FILED FOR RECORD IN
HIDALGO COUNTY
ARTURO GUJARDO, JR
HIDALGO COUNTY CLERK

ON: _____ AT _____ AM/PM
INSTRUMENT NUMBER _____
OF MAP RECORDS OF HIDALGO COUNTY TEXAS

BY: _____ DEPUTY



LEGEND:

● 1/2" IRON ROD FOUND	--- E ROAD
○ 1/2" IRON ROD SET	--- EXISTING R.O.W.
W/ A PLASTIC CAP	--- LOT LINE
STAMPED "CVQ L-S"	--- EASEMENT
I.R.F. IRON ROD FOUND	--- PROPOSED SUBDIVISION
I.R.S. IRON ROD SET	--- LOT LINE
C.P.S. COTTON PICKER SPINDLE FOUND	
H.C.M.R. HIDALGO COUNTY MAP RECORDS	
H.C.D.R. HIDALGO COUNTY DEED RECORDS	
U.E. UTILITY EASEMENT	
P.O.B. POINT OF BEGINNING	
P.O.C. POINT OF COMMENCEMENT	
R.O.W. DENOTES RIGHT-OF-WAY	
B.M. BENCHMARK	

METES AND BOUNDS DESCRIPTION

A TRACT OF LAND CONTAINING 20.84 ACRES OF LAND, SITUATED IN PHARR, HIDALGO COUNTY, TEXAS, AND ALSO BEING PART OR PORTION OF LOTS 133 AND 134, KELLY-PHARR SUBDIVISION, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 3, PAGES 133-134, DEED RECORDS, HIDALGO COUNTY, TEXAS, AND SAID 20.84 ACRES BEING ALL OF THAT TRACT OF LAND DEEDED TO THE CITY OF PHARR, RECORDED IN DOCUMENT NUMBER 2591822, DEED RECORDS, HIDALGO COUNTY, TEXAS, AND SAID 20.84 ACRES ALSO BEING MORE PARTICULARLY DESCRIBED AS FOLLOW:

BEGINNING, AT THE SOUTHEAST CORNER OF SAID LOT 134, SAME BEING THE SOUTHWEST CORNER OF SAID LOT 133, WITHIN SIOUX ROAD RIGHT-OF-WAY, FOR THE MOST EASTERLY SOUTHWEST CORNER OF THIS TRACT;

THENCE N 81° 28' 42" W, ALONG THE SOUTH LINE OF SAID LOT 134, WITHIN SAID SIOUX ROAD, A DISTANCE OF 265.57, TO A COTTON PICKER SPINDLE FOUND, ON THE SOUTHEAST CORNER OF VISTA ALTO MOBILE HOME SUBDIVISION PHASE II, MAP REFERENCE: VOLUME 35, PAGE 188B, MAP RECORDS, HIDALGO COUNTY, TEXAS, FOR THE MOST WESTERLY SOUTHWEST CORNER HEREOF;

THENCE N 08° 31' 18" E, ALONG THE EAST LINE OF SAID VISTA ALTO MOBILE HOME SUBDIVISION PHASE II, AT A DISTANCE OF 20.00 FEET, PASS A COTTON PICKER SPINDLE FOUND, ON THE NORTH RIGHT-OF-WAY LINE OF SAID SIOUX ROAD, CONTINUING A TOTAL DISTANCE OF 1155.00 FEET, TO A 1/2" IRON ROD FOUND ON THE NORTHEAST CORNER OF SAID VISTA ALTO MOBILE HOME SUBDIVISION PHASE II, AND THE SOUTH LINE OF A 165.00 FOOT, EASEMENT TO HIDALGO COUNTY DRAINAGE DISTRICT NUMBER 1, RECORDED IN VOLUME 1550, PAGE 652, DEED RECORDS, HIDALGO COUNTY, TEXAS, FOR THE NORTHWEST CORNER HEREOF;

THENCE S 08° 31' 18" E, ALONG THE SOUTH LINE OF SAID HIDALGO COUNTY DRAINAGE DISTRICT NUMBER 1, A DISTANCE OF 265.57 FEET, TO A 1/2" IRON ROD WITH PLASTIC CAP STAMPED "4856" FOUND, ON THE EAST LINE OF SAID LOT 134, SAME BEING THE WEST LINE OF SAID LOT 133, AND THE WEST LINE OF A TRACT OF LAND DEEDED TO FREIGHTLINER PROPERTIES PHARR, LLC, RECORDED IN DOCUMENT NUMBER 2952207, DEED RECORDS, HIDALGO COUNTY, TEXAS, FOR THE MOST NORTHERLY NORTHEAST CORNER HEREOF;

THENCE S 08° 31' 18" W, ALONG THE COMMON LINE OF SAID LOTS 134 AND 133, ALSO BEING THE WEST LINE OF SAID FREIGHTLINER PROPERTY, A DISTANCE OF 505.62 FEET, TO A 1/2" IRON ROD WITH PLASTIC CAP STAMPED "4856" FOUND, ON THE SOUTHWEST CORNER OF SAID FREIGHTLINER PROPERTY TRACT, FOR AN INSIDE CORNER HEREOF;

THENCE S 81° 28' 42" E, ALONG THE COMMON LINE OF SAID CITY OF PHARR TRACT, AND FREIGHTLINER PROPERTIES TRACT, A DISTANCE OF 977.86 FEET, TO A 5/8" IRON ROD FOUND ON THE WEST RIGHT-OF-WAY LINE OF U.S. EXPRESSWAY 281 (I-69C), RECORDED IN VOLUME 1654 PAGES 285-289, DEED RECORDS, HIDALGO COUNTY, TEXAS, AND RECORDED IN VOLUME 1666, PAGES 301-310, DEED RECORDS, HIDALGO COUNTY, TEXAS, FOR THE MOST EASTERLY NORTHEAST CORNER HEREOF;

THENCE S 08° 33' 58" W, ALONG THE SAID WEST RIGHT-OF-WAY LINE OF SAID U.S. EXPRESSWAY 281 (I-69C), A DISTANCE OF 555.59 FEET, TO A 1/2" IRON ROD SET WITH PLASTIC CAP STAMPED "CVQ L-S", SET ON A CORNER CLIP FOR A THE MOST EASTERLY SOUTHEAST CORNER HEREOF;

THENCE S 45° 30' 20" W, CONTINUING ALONG THE WEST RIGHT-OF-WAY LINE OF SAID U.S. EXPRESSWAY 281 (I-69C), A DISTANCE OF 23.58 FEET, TO A 1/2" IRON ROD FOUND WITH PLASTIC CAP STAMPED "4856" FOUND, ON THE NORTH RIGHT-OF-WAY LINE OF SIOUX ROAD, RECORDED IN DOCUMENT NUMBER 1341850, DEED RECORDS, HIDALGO COUNTY, TEXAS, FOR THE MOST SOUTHERLY SOUTHEAST CORNER HEREOF;

THENCE S 86° 37' 31" W, CONTINUING ALONG THE NORTH RIGHT-OF-WAY LINE OF SAID SIOUX ROAD, A DISTANCE OF 93.88 FEET, TO A 1/2" IRON ROD FOUND WITH PLASTIC CAP STAMPED "4856" FOUND, FOR A CORNER HEREOF;

THENCE N 81° 32' 05" W, CONTINUING ALONG THE NORTH RIGHT-OF-WAY LINE OF SAID SIOUX ROAD, A DISTANCE OF 140.21 FEET, TO A 1/2" IRON ROD FOUND, FOR A CORNER HEREOF;

THENCE N 89° 17' 34" W, CONTINUING ALONG THE NORTH RIGHT-OF-WAY LINE OF SAID SIOUX ROAD, A DISTANCE OF 191.35 FEET, TO A 1/2" IRON ROD WITH PLATIC CAP STAMPED "4856" FOUND, FOR A CORNER HEREOF;

THENCE S 08° 31' 18" W, CONTINUING ALONG THE NORTH RIGHT-OF-WAY LINE OF SAID SIOUX ROAD, A DISTANCE OF 9.45 FEET, TO A 1/2" IRON ROD WITH PLATIC CAP STAMPED "4856" FOUND, FOR A CORNER HEREOF;

THENCE N 81° 28' 42" W, CONTINUING ALONG THE NORTH RIGHT-OF-WAY LINE OF SAID SIOUX ROAD, A DISTANCE OF 541.61 FEET, TO A 1/2" IRON ROD WITH PLATIC CAP STAMPED "4856" FOUND, ON THE WEST LINE OF SAID LOT 133, AND THE EAST LINE OF SAID LOT 134, FOR A CORNER HEREOF;

THENCE S 08° 31' 18" W, ALONG THE WEST LINE OF SAID LOT 133, AND THE EAST LINE OF SAID LOT 134, A DISTANCE OF 20.00 FEET, TO THE POINT OF BEGINNING, CONTAINING 20.84, ACRES OF LAND, MORE OR LESS.

BEARING BASIS AS PER TEXAS STATE PLANE COORDINATES SYSTEM NAD 1983, SOUTH ZONE.

GENERAL NOTES:

1. FLOOD ZONE DESIGNATION: ZONE "B"
ZONE "B" IS DEFINED AS AREAS BETWEEN LIMITS OF THE 100-YEAR FLOOD AND 500-YEAR FLOOD; OR CERTAIN AREAS SUBJECT TO 100-YEAR FLOODING WITH AVERAGE DEPTHS LESS THAN ONE (1) FOOT, OR WHERE THE CONTRIBUTING DRAINAGE AREA IS LESS THAN ONE SQUARE MILE; OR AREAS PROTECTED BY LEVEES FROM THE BASE FLOOD. COMMUNITY PANEL NUMBER: 480347 0005C MAP REVISED: OCTOBER 19, 1982.

2. MINIMUM PERMISSIBLE FINISH FLOOR ELEVATION IS 18" ABOVE CENTERLINE OF ROADWAY MEASURED AT FRONT CENTER OF EACH LOT.

3. MINIMUM BUILDING SETBACK AS PER CITY OF PHARR ORDINANCE

4. STORM WATER DETENTION IS REQUIRED FOR THIS PROPERTY. THE ENGINEER OF RECORD FOR THIS SUBDIVISION PLAT HAS ESTIMATED THAT A VOLUME OF 5.8 ACRE-FEET (252,648 C.F.) WILL BE REQUIRED FOR THIS USE. THIS IS AN ESTIMATE ONLY AND A DETAILED ANALYSIS MAY REVEAL DIFFERENT REQUIREMENTS.

NO BUILDING PERMIT WILL BE ISSUED FOR THIS PLATTED PROPERTY UNTIL A STORM WATER DETENTION SYSTEM HAS BEEN APPROVED BY THE CITY OF PHARR FOR ANY DEVELOPMENTS WITHIN THIS SUBDIVISION.

5. OWNERS ARE TO MAINTAIN STORM WATER DETENTION AREAS.

6. OWNERS ARE TO MAINTAIN THE RIGHT OF WAYS ON THE ENTIRE PERIMETER OF THE SUBDIVISION.

7. A 5.0' SIDEWALK WITH ADA COMPLIANT WHEELCHAIR RAMPS AND LANDINGS SHALL BE REQUIRED ALONG THE NORTH SIDE OF WEST SIOUX ROAD AND THE WEST SIDE OF I-69C (EXPRESSWAY 281) AT THE BUILDING PERMIT STAGE.

8. CITY OF PHARR BENCHMARK: MONUMENT #6 - AS BASIS
HORIZONTAL DATUM IS TEXAS STATE PLACE COORDINATES SOUTH ZONE
VERTICAL DATUM IS NGVD 1988 USING GEOID MODEL 1999
ELEVATION = 96.07 FEET.
NORTHING=16563137.18 EASTING=1077655.78

BM#53 - CORNER OF W. SIOUX ROAD AND I69-C (EXPRESSWAY 281) ELEVATION = 106.21, CITY OF PHARR DATUM NGVD 1988.

9. NO STRUCTURES SHALL BE BUILT ON TOP OF ANY EASEMENT.

10. EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM (TPDES).

11. LANDSCAPING AS PER CITY OF PHARR ORDINANCE.

12. ENFORCEMENT OF ALL PLAT NOTES AND DEDICATIONS SHALL BE THE RESPONSIBILITY OF THE AGENCY OR ENTITY TO WHOM THE DEDICATION IS GRANTED.

13. ADDITIONAL FIRE PROTECTION MAY BE REQUIRED DURING THE PLAN REVIEW PHASE IN ORDER TO PROVIDE ANY ADDITIONAL FIRE PROTECTION REQUIREMENTS.

14. A FENCE SHALL BE REQUIRED FOR ANY LOTS ABUTTING OR FRONTING ANY DRAINAGE DITCH AT THE BUILDING PERMIT STAGE.

STATE OF TEXAS
COUNTY OF HIDALGO

KNOW ALL MEN BY THESE PRESENTS:

THAT THE CITY OF PHARR, TEXAS, OWNER OF THE REAL PROPERTY THE SUBJECT OF THIS PLAT, AND DESIGNATED HEREIN AS **CITY OF PHARR - NORTH SIDE AQUATIC CENTER SUBDIVISION** TO THE CITY OF PHARR, HIDALGO COUNTY, TEXAS, DO HEREBY DEDICATE TO THE USE OF THE PUBLIC FOREVER THOSE PORTIONS OF THE SUBDIVISION DESIGNATED AS STREETS, ALLEYS, EASEMENTS, PARKS, WATERCOURSES AND DRAINS, EXCEPT THAT THE UNDERSIGNED SHALL INDEMNIFY AND HOLD HARMLESS THE CITY OF PHARR, TEXAS.

WITNESS MY HAND ON THIS THE _____ DAY OF, _____ A.D. 2019.

ALEX MEADE, CITY MANAGER
CITY OF PHARR
118 S. CAGE BLVD.
PHARR, TEXAS 78577

STATE OF TEXAS
COUNTY OF HIDALGO

ON THIS DAY PERSONALLY APPEARED ALEX MEADE, CITY MANAGER OF THE CITY OF PHARR, TEXAS, WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT OF WRITING, AND ACTING IN THE CAPACITY THEREIN STATED.

WITNESS MY HAND ON THIS THE _____ DAY OF, _____ A.D. 2019.

NOTARY PUBLIC

APPROVAL RECOMMENDED

THIS PLAT HAS BEEN SUBMITTED AND CONSIDERED BY THE PLANNING COMMISSION OF THE CITY OF PHARR AND HEREBY APPROVED BY SUCH COMMISSION.

DATED THIS THE _____ DAY OF, _____ A.D. 2019.

DANNY WYLIE - CHAIRMAN
PLANNING AND ZONING COMMISSION
PHARR, TEXAS

APPROVED

I, THE UNDERSIGNED, MAYOR OF THE CITY OF PHARR, TEXAS HEREBY CERTIFY THAT THIS SUBDIVISION PLAT CONFORMS TO ALL REQUIREMENTS OF THE SUBDIVISION REGULATIONS OF THE CITY WHEREIN MY APPROVAL IS REQUIRED.

DATED THIS THE _____ DAY OF, _____ A.D. 2019.

AMBROSIO HERNANDEZ
MAYOR

ATTEST: _____
CITY CLERK

APPROVED BY IRRIGATION DISTRICT NO. 2:

THIS PLAT IS HEREBY APPROVED BY THE HIDALGO COUNTY IRRIGATION DISTRICT NO. 2 ON THIS, THE _____ DAY OF _____ 2019.

NO IMPROVEMENTS OF ANY KIND (INCLUDING WITHOUT LIMITATION, TREES, FENCES, AND BUILDINGS) SHALL BE PLACED UPON HIDALGO COUNTY IRRIGATION DISTRICT NO. 2 RIGHTS OF WAYS OR EASEMENTS.

PRESIDENT _____ ATTEST: _____
SECRETARY

APPROVED BY DRAINAGE DISTRICT:

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1 HEREBY CERTIFIES THAT THE DRAINAGE PLANS FOR THIS SUBDIVISION COMPLY WITH THE MINIMUM STANDARDS OF THE DISTRICT ADOPTED UNDER TEXAS WATER CODE 49.211 (C). THE DISTRICT HAS NOT REVIEWED AND DOES NOT CERTIFY THAT THE DRAINAGE STRUCTURES DESCRIBED ARE APPROPRIATE FOR THE SPECIFIC SUBDIVISION BASED ON GENERALLY ACCEPTED ENGINEERING CRITERIA. IT IS THE RESPONSIBILITY OF THE DEVELOPER AND HIS ENGINEER TO MAKE THEIR DETERMINATIONS.

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1

RAUL SESIN, P.E., C.F.M.
GENERAL MANAGER

KNOWN ALL MEN BY THESE PRESENTS:

I, THE UNDERSIGNED, _____ A REGISTERED PROFESSIONAL PUBLIC SURVEYOR IN THE STATE OF TEXAS, HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECTLY MADE AND IS PREPARED FROM AN ACTUAL SURVEY ON THE PROPERTY MADE UNDER MY SUPERVISION ON THE GROUND AND THAT THE CORNER MONUMENTS WERE PROPERLY PLACED UNDER MY SUPERVISION AND THAT ALL ASPECTS OF IT ARE IN ACCORDANCE WITH THE CITY OF PHARR SUBDIVISION ORDINANCE AND ALL STATE STATUTES GOVERNING SURVEYS.

CARLOS VASQUEZ, R.P.L.S. No. 4608
CVO LAND SURVEYORS LLC
TBPLS FIRM NO. 10119600
517 BEAUMONT AVE.
MCALLEN, TEXAS 78501

KNOWN ALL MEN BY THESE PRESENTS:

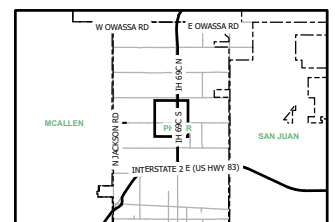
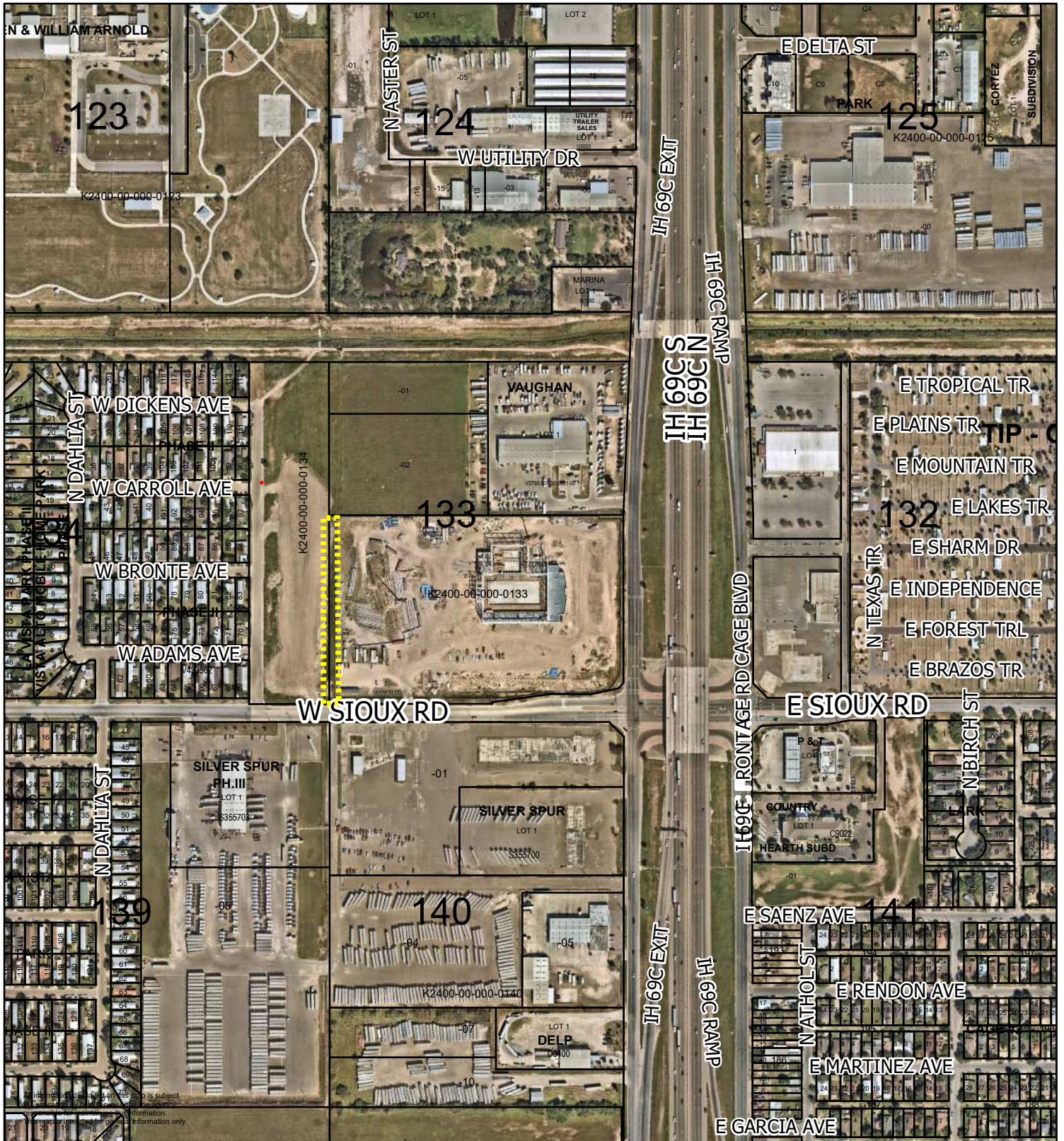
I, THE UNDERSIGNED, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, HEREBY CERTIFY THAT PROPER ENGINEERING CONSIDERATION HAS BEEN GIVEN TO THIS PLAT, AND THAT ALL ASPECTS OF IT ARE IN ACCORDANCE WITH THE CITY OF PHARR SUBDIVISION ORDINANCE AND ALL STATE STATUTES GOVERNING SURVEYS.

JORGE D. PEREZ, P.E.
REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS NO. 34594



Texas Registered Engineering Firm F-2158
808 Dallas Ave. McAllen, Texas 78501
(956) 631-4482 Fax (956) 682-1545

ORIGINAL DATE OF PREPARATION: MAY 22, 2019





AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 7.B.

DATE SUBMITTED: January 25, 2021

MEETING DATE: February 1, 2021

FROM: Leonardo Perez, Fire Chief

DEPARTMENT: Fire

DIRECTOR: Leonardo Perez

Agenda Item: Consideration and action, if any, on the purchase of an MX908 Handheld Chemical Identification System from FARRWEST out of Schertz, TX through Buy-board Contract # 603-20 for a price of \$65,018.25 from a State Homeland Security SHSP Grant.

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: This item was secured through a State Homeland Security Grant program that will be utilized by our personnel to I.D. Chemicals an emergency scenes. Project #2021-01-515-P008-001

Fiscal Consideration: Through a State Homeland Security SHSP Grant at no cost to the City using account # 32-51500-8804-032.

Staff Recommendation: Staff recommends the purchase of this item at no cost to the City.

Alternatives: N/A

Exclude Material from Public Packet? No

Reason: N/A

ROUTING:

Leonardo Perez

Created/Initiated - 1/25/2021

Leonardo Perez

Approved - 1/25/2021

Ignacio Amezcua

Approved - 1/25/2021

Karla Saavedra

Approved - 1/27/2021

Anali Alanis

Approved - 1/28/2021

Patricia Rigney

Approved - 1/28/2021

City Management Office

Final Approval - 1/29/2021

**FARRWEST**

Estimate

Date	Estimate #
12/18/2020	11593

108 Commercial Place
Schertz, TX 78154

Ph: 210-566-1857
Fax 210-566-1897

Ship To

CITY OF PHARR-
FIRE DEPARTMENT
ACCOUNTS
PAYABLE
118 SOUTH CAGE
BLVD
PO BOX 1729

P.O. No.

Rep

Project/Event

TAB

Item	Description	Qty	Cost	Total
MX908-01-1-0-00	908 DEVICES MX908 HANDHELD HPMS/ IMS CHEMICAL IDENTIFICATION SYSTEM INCLUDES: - 1-YEAR WARRANTY - 1-DAY ON-SITE TRAINING - ALL STANDARD ACCESSORIES	1	64,350.00	64,350.00
820-00828	908 DEVICES Captive Sampling Tubes, MX908 (package of 10)	1	38.61	38.61
820-00807	908 DEVICES Extended Vapor Probe, coiled Teflon tubing, extendable from 2' - 5' (.6 - 1.5m), MX908	1	197.01	197.01
820-00907	908 DEVICES MX908 Foam-tipped Applicator Swabs, 6 in (15 cm), plastic shaft, MX908 (50 count)	1	38.61	38.61
415-00042	908 DEVICES MX908 TRACE SAMPLING SWABS, 100ct.	1	197.01	197.01
415-00044	908 DEVICES MX908 CHEMICAL TRAINING KIT; VAPOR SAMPLES AND TRACE PEN	1	197.01	197.01
BUYBOARD PRICING - CONTRACT#603-20				

BUYBOARD CONTRACT#603-20

Subtotal \$65,018.25**Sales Tax (0.0%)** \$0.00**Total** \$65,018.25

Phone #

Fax #

210-566-1857

210-566-1897

Web Site

www.farrwestenv.com

REQUEST FOR AVAILABILITY OF FUNDS

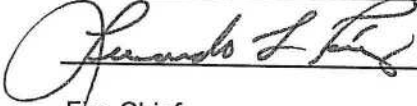
CONSTRUCTION ☐ PURCHASE ☒

PURCHASE & INSTALLATION ☐

SERVICE ☐ SUPPLY ☐

DEPARTMENT SUBMITTING REQUEST:

TYPE/PRINT NAME: Leonardo L. Perez

SIGNATURE: 

TITLE: Fire Chief

DEPARTMENT: Fire

DATE: 01/21/2021

PROJECT NAME AND DESCRIPTION (indicate special funding requirements):

1 ea. MX908 Handheld HPSM/IMS Chemical Identification System

STATE/FEDERAL FUNDING (SPECIFY AGENCY(IES)): State Homeland Security SHSP Grant

STATE/FEDERAL GRANTS (SPECIFY AGENCY(IES)): _____

ACCOUNT NUMBER/PROJECT ID: _____

ESTIMATED COST: 65,018.25

ACCOUNT NUMBER/PROJECT ID: _____

ESTIMATED COST: _____

BUDGET INFORMATION:

BUDGETED ☒ NOT BUDGETED ☐

FUND NAME: State Homeland Security SHSP Grant

ACCOUNT NUMBER(S): _____

INCLUDE PROJ.ID(S): _____

AMOUNT: \$ 65,018.25

FINANCE SIGNATURE: _____

TITLE: Karla Saavedra, Finance Director

DATE: _____

CITY MANAGER'S AUTHORIZATION TO SOLICIT BIDS:

APPROVED: ☐

SIGNATURE: _____

DATE: _____

DISAPPROVED: ☐

SIGNATURE: _____

DATE: _____



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 7.C.

DATE SUBMITTED: January 26, 2021

MEETING DATE: February 1, 2021

FROM: Leonardo Perez, Fire Chief

DEPARTMENT: Fire

DIRECTOR: Leonardo Perez

Agenda Item: Consideration and action, if any, on the purchase of a Pierce Custom Enforcer Pumper and a Skeeter Ford F 550 Type 5 Brush Truck from Siddons-Martin Emergency Group, LLC out of Denton, TX using BuyBoard # 571-18 for a total price of \$801,161.15 for the Fire Department.

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: Our current fleet is over 10 years old with current problems in maintaining, finding parts, and down time when repairing. These new units will alleviate this problems and modernize our fleet. Project #2021-01-515-P009-001

Fiscal Consideration: These items are budgeted for this fiscal year and will alleviate the high maintenance of the old units.

Staff Recommendation: Staff recommends the purchase of this vehicles to better serve our Citizens.

Alternatives: N/A

Exclude Material from Public Packet? No

Reason: No

ROUTING:

Leonardo Perez

Created/Initiated - 1/26/2021

Leonardo Perez

Approved - 1/26/2021

Ignacio Amezcua

Approved - 1/26/2021

Karla Saavedra

Approved - 1/27/2021

Anali Alanis

Approved - 1/28/2021

Patricia Rigney

Approved - 1/28/2021

City Management Office

Final Approval - 1/29/2021

REQUEST FOR AVAILABILITY OF FUNDS

CONSTRUCTION ☐ PURCHASE ☒

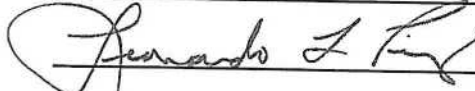
PURCHASE & INSTALLATION ☐

DEPARTMENT SUBMITTING REQUEST:

SERVICE ☐ SUPPLY ☐

TYPE/PRINT NAME: Leonardo L. Perez

SIGNATURE:



TITLE: Fire Chief

DEPARTMENT: Fire

DATE: 01/21/2021

PROJECT NAME AND DESCRIPTION (indicate special funding requirements):

1 ea. Custom Enforcer Pumper

1 ea. Skeeter Ford F 550 Brush Truck

STATE/FEDERAL FUNDING (SPECIFY AGENCY(IES)):

STATE/FEDERAL GRANTS (SPECIFY AGENCY(IES)):

ACCOUNT NUMBER/PROJECT ID: 51500-8803

ESTIMATED COST: 801,161.15

ACCOUNT NUMBER/PROJECT ID:

ESTIMATED COST:

BUDGET INFORMATION:

BUDGETED ☒ NOT BUDGETED ☐

FUND NAME: Capitol project Vehicle

ACCOUNT NUMBER(S): 51500-8803

INCLUDE PROJ.ID(S):

AMOUNT: \$ 830,000.00

FINANCE SIGNATURE:

TITLE: Karla Saavedra, Finance Director

DATE:

CITY MANAGER'S AUTHORIZATION TO SOLICIT BIDS:

APPROVED: ☐ SIGNATURE: _____

DATE: _____

DISAPPROVED: ☐ SIGNATURE: _____

DATE: _____

Siddons-Martin Emergency Group, LLC
 3500 Shelby Lane
 Denton, TX 76207
 GDN P115891
 TXDOT MVD No. A115890



January 26, 2021

LENNY PEREZ, CHIEF
 PHARR FIRE RESCUE
 118 S CAGE BLVD
 PHARR, TX 78577

Proposal For: 2021 PHARR- PUMPER/SKEETER

Siddons-Martin Emergency Group, LLC is pleased to provide the following proposal to PHARR FIRE RESCUE. Unit will comply with all specifications attached and made a part of this proposal. Total price includes delivery FOB PHARR FIRE RESCUE and training on operation and use of the apparatus.

Description	Amount
Qty. 1 - 389 - Pierce-Custom Enforcer Pumper, 2nd Gen (Unit Price - \$702,323.00) Delivery within 12-13 months of order date QUOTE # - SMEG-0001111-1	Vehicle Price \$702,323.00 Full Prepay Discount (\$18,325.85) Brush Truck (\$23,000.00) Rescue Truck (\$29,000.00) 389 - UNIT TOTAL \$631,997.15
Qty. 1 - 4266 - Skeeter Ford F 550 Type 5, Step Side, Lifted (Unit Price - \$167,664.00) Delivery within 12-13 months of order date QUOTE # - SMEG-0001463-1	Vehicle Price \$167,664.00 4266 - UNIT TOTAL \$167,664.00
	SUB TOTAL \$799,661.15 BuyBoard 571-18 \$1,500.00 TOTAL \$801,161.15

Price guaranteed until 2/5/2021

Additional:

- Pierce Enforcer Pumper to be purchased utilizing BuyBoard Contract #571-18.
- Price guaranteed has been extended until February 9, 2021 for Bid 389- 2021 Pharr Pumper. There is a 3% Pierce price increase that is effective February 1, 2021, if Pierce Enforcer Pumper proposal is not signed and executed on or before February 9, 2021 the 3% price increase will be applied.
- Trade-in for 2007 Ferrara Rescue and 2006 Ford Ferrara Brush Truck, cascade and generator must remain on Rescue Unit.Maintenance must be maintained on both units until the units are turned in. Units will be turned-in with-in 30 days of delivery of new apparatuses.
- PIERCE PUMPER MUST BE PREPAID WITHIN 30 DAYS OF ORDER TO RECEIVE FULL PREPAY DISCOUNT

Taxes: Tax is not included in this proposal. In the event that the purchasing organization is not exempt from sales tax or any other applicable taxes and/or the proposed apparatus does not qualify for exempt status, it is the duty of the purchasing organization to pay any and all taxes due. Balance of sale price is due upon acceptance of the apparatus at the factory.

Late Fee: A late fee of .033% of the sale price will be charged per day for overdue payments beginning ten (10) days after the payment is due for the first 30 days. The late fee increases to .044% per day until the payment is received. In the event a prepayment is received after the due date, the discount will be reduced by the same percentages above increasing the cost of the apparatus.

Cancellation: In the event this proposal is accepted and a purchase order is issued then cancelled or terminated by Customer before completion, Siddons-Martin Emergency Group may charge a cancellation fee. The following charge schedule based on costs incurred may be applied:

- (A) 10% of the Purchase Price after order is accepted and entered by Manufacturer;
- (B) 20% of the Purchase Price after completion of the approval drawings;
- (C) 30% of the Purchase Price upon any material requisition.

The cancellation fee will increase accordingly as costs are incurred as the order progresses through engineering and into manufacturing. Siddons-Martin Emergency Group endeavors to mitigate any such costs through the sale of such product to another purchaser; however, the customer shall remain liable for the difference between the purchase price and, if applicable, the sale price obtained by Siddons-Martin Emergency Group upon sale of the product to another purchaser, plus any costs incurred by Siddons-Martin to conduct such sale.

Acceptance: In an effort to ensure the above stated terms and conditions are understood and adhered to, Siddons-Martin Emergency Group, LLC requires an authorized individual from the purchasing organization sign and date this proposal and include it with any purchase order. Upon signing of this proposal, the terms and conditions stated herein will be considered binding and accepted by the Customer. The terms and acceptance of this proposal will be governed by the laws of the state of Texas. No additional terms or conditions will be binding upon Siddons-Martin Emergency Group, LLC unless agreed to in writing and signed by a duly authorized officer of Siddons-Martin Emergency Group, LLC.

Sincerely,



Michael Collins

I, _____, the authorized representative of PHARR FIRE RESCUE, agree to purchase the proposed and agree to the terms of this proposal and the specifications attached hereto.

Signature & Date



Proposal Option List

1/20/2021

Customer:	Pharr Fire Rescue	Bid Number:	389
Representative:	Collins, Mike	Job Number:	
Organization:	Siddons-Martin Emergency Group	Number of Units:	1
Requirements Manager:		Bid Date:	10/01/2020
Description:	Pharr 2021- Pumper	Stock Number:	
Body:	Pumper, Medium, Aluminum, 2nd Gen	Price Level:	39 (Current: 39)
Chassis:	Enforcer Chassis	Lane:	

Line	Option	Type	Option Description	Qty
1	0766611		Boiler Plates, Pumper	1
			Fire Department/Customer - Pharr Fire Rescue	
			Operating/In conjunction W-Service Center - Operating	
			Miles - 10 Miles	
			Number of Fire Dept/Municipalities - 10	
			Bidder/Sales Organization - Siddons-Martin Emergency Group	
			Delivery - Delivery representative	
			Dealership/Sales Organization, Service - Siddons-Martin Emergency Group	
2	0661794		Single Source Compliance	1
3	0584456		Manufacture Location, Appleton, Wisconsin	1
4	0584452		RFP Location: Appleton, Wisconsin	1
5	0588609		Vehicle Destination, US	1
6	0610784		Comply NFPA 1901 Changes Effective Jan 1, 2016, With Exceptions	1
7	0533347		Pumper/Pumper with Aerial Device Fire Apparatus	1
8	0588611		Vehicle Certification, Pumper	1
9	0661778		Agency, Apparatus Certification, Pumper/Tanker, U.L.	1
10	0620358		Consortium, Buy Board	1
11	0537375		Unit of Measure, US Gallons	1
12	0030006		Bid Bond Not Requested	1
13	0540326		Performance Bond, Not Requested	1
14	0592176		Advance Payment Bond, AFG/FEMA Grant	1
15	0000007		Approval Drawing	1
16	0002928		Electrical Diagrams	1
17	0649754		Enforcer Chassis	1
18	0000110		Wheelbase	1
			Wheelbase - 187.50	
19	0000070		GVW Rating	1
			GVW rating - 46,500	
20	0649713		Frame Rails, 10.25" x 3.50" x .375", Saber FR/Enf	1
21	0020018		Frame Liner Not Req'd	1
22	0630705		Axle, Front, Oshkosh TAK-4, Non Drive, 19,500 lb, Enforcer	1
23	0030264		Suspension, Front TAK-4, 19,500 lb, Qtm/AXT/Imp/Vel/Dash CF/Enf	1
24	0087572		Shock Absorbers, KONI, TAK-4, Qtm/AXT/Imp/Vel/DCF/Enf	1
25	0000322		Oil Seals, Front Axle	1
26	0582936		Tires, Front, Goodyear, G289 WHA, 315/80R22.50, 20 ply	1
27	0019575		Wheels, Front, Alcoa, 22.50" x 9.00", Aluminum, Hub Pilot	1
28	0530460		Axle, Rear, Meritor RS26-185, 27,000 lb, Saber/Enforcer	1
29	0544253		Top Speed of Vehicle, 68 MPH	1
30	0565380		Suspen, Rear, Single Slipper Spring, 27,000 lb, Saber/Enforcer	1
31	0000500		Shock Absorbers on Rear Axle	1
32	0000485		Oil Seals, Rear Axle	1
33	0608695		Spring Package, Auxiliary, Saber FR/Enforcer	1
34	0587216		Tires, Rear, Goodyear, G622 RSD, 12R22.50, 16 ply, Single	1
35	0019625		Wheels, Rear, Alcoa, 22.50" x 8.25", Aluminum, Hub Pilot, Single	1
36	0568081		Tire Balancing, Counteract Beads	1
37	0620570		Tire Pressure Monitoring, RealWheels, AirSecure, Valve Cap, Single Axle	1
			Qty, Tire Pressure Ind - 6	
38	0003245		Axle Hub Covers w/center hole, S/S, Front Axle	1
39	0001960		Axle Hub Covers, Rear, S/S, High Hat (Pair)	1
40	0057936		Covers, Lug Nut, Chrome	1

Line	Option	Type	Option Description	Qty
41	0002045		Mud Flap, Front and Rear, Pierce Logo	1
42	0544802		Chocks, Wheel, SAC-44-E, Folding	1
			Qty, Pair - 01	
43	0544806		Mounting Brackets, Chocks, SAC-44-E, Folding, Horizontal	1
			Qty, Pair - 01	
			Location, Wheel Chocks - Left Side Rear Tire, Forward	
44	0010670		ABS Wabco Brake System, Single rear axle	1
45	0030185		Brakes, Knorr/Bendix 17", Disc, Front, TAK-4	1
46	0000730		Brakes, Meritor, Cam, Rear, 16.50 x 7.00"	1
47	0020784		Air Compressor, Brake, Cummins/Wabco 18.7 CFM	1
48	0644232		Brake Reservoirs, 4,272 Cubic Inch Minimum Capacity, Saber FR/Enforcer	1
49	0587034		Air Dryer, Bendix, AD-IP w/Heat, 2010	1
50	0000790		Brake Lines, Nylon	1
51	0000858		Inlet/Outlet, Air, w/Disconnect Fitting	1
			Location, Air Coupling(s) - h) DS Pump Panel	
			Qty, Air Coupling (s) - 1	
52	0061683		Compressor, Air, Kussmaul 091-9HP 120V Brake Sys	1
			Location - BEHIND DRIVER SEAT	
53	0796282		Shields, Dust, Rear Brakes	1
54	0662563		Drain, Remote Air Tank, 1/4 Turn, All Tanks	1
55	0615609		Fittings, Compression Type, Entire Apparatus, Single Rear Axle	1
56	0736437		Engine, Cummins L9, 450 hp, 1250 lb-ft, W/OBD, EPA 2021, Saber FR/Enforcer	1
57	0001244		High Idle w/Electronic Engine, Custom	1
58	0687994		Engine Brake, Jacobs Compression Brake, Cummins Engine	1
			Switch, Engine Brake - e) ISC/ISM/ISL9/ISX Hi Med Lo	
59	0644227		Clutch, Fan, Air Actuated, Saber FR/Enforcer	1
60	0611129		Accelerator Pedal, Automotive Style, Floor Mounted, IPOS, Saber FR/Enf	1
61	0644573		Air Intake, Water & Ember Screen, Saber FR/Enforcer	1
62	0794761		Exhaust System, 4", 2017 L9 Engine, Horizontal, Right Side	1
63	0788765		Radiator, Saber FR/Enforcer	1
64	0001090		Cooling Hoses, Rubber	1
65	0750373		Radiator Coolant, Shell Rotella ELC NF	1
66	0001125		Fuel Tank, 65 Gallon, Left Side Fill	1
67	0001129		Lines, Fuel	1
68	0770723		DEF Tank, 8.0 Gallon, LS Fill, Rear of Rear Axle, Triple Door	1
			Door, Material & Finish, DEF Tank - Painted	
69	0552793		Not Required, Fuel Priming Pump	1
70	0552564		Shutoff Valve, Fuel Line @ Filter	1
71	0553019		Cooler, Engine Fuel, Imp/Vel, AXT/Qtm/Sab/DCF/SFR/Enf	1
72	0690880		No Selection Required From This Category	1
73	0642572		Trans, Allison 5th Gen, 3000 EVS P, w/Prognostics, Imp/Vel/DCF/SFR/Enf	1
74	0625329		Transmission, Shifter, 5-Spd, Push Button, 3000 EVS	1
75	0684459		Transmission Oil Cooler, Modine, External	1
76	0024895		Mode, Downshift, Aggressive downshift to 2nd, w/engine brake, 5 speed	1
77	0001370		Driveline, Spicer 1710	1
78	0669988		Steering, Sheppard M110 w/Tilt, TAK-4, Eaton Pump, w/Cooler	1
79	0605356		Steering Wheel, 4 Spoke without Controls, Saber FR/Enforcer	1
80	0690274		Logo/Emblem, on Dash	1
			Text, Row (1) One - PHARR	
			Text, Row (2) Two - FIRE	
			Text, Row (3) Three - RESCUE	
81	0606441		Bumper, 19" Extended, Steel Painted, Saber FR/Enforcer	1
82	0640197		Tray, Hose, Center, 19" Bumper, Outside Air Horns	1
			Grating, Bumper extension - Grating, Rubber	
			Capacity, Bumper Tray - 20' 125" of 1.75"	
83	0630809		Cover, Aluminum Treadplate, One (1) D-Ring Latch, Hose Tray, Notched	1
			Location - LEFT SIDE	
			Stay arm, Tray Cover - b) Pneumatic Stay Arm	
84	0614646		No Lift & Tow Package, Imp/Vel, AXT, SFR/Enf	1
85	0002270		Tow Hooks, Chrome	1
86	0618151		Trim, Round Alum Rod, Top of Hose Tray, Each	1
			Location - FRONT OF CENTER BUMPER HOSE TRAY	

Line	Option	Type	Option Description	Qty
86			Qty, - 1	
87	0698960		Coating, Top Flange, Front Bumper, Outside Exterior, Line-X Coating, Black	1
88	0648332		Cab, Enforcer, 7010	1
89	0647919		Engine Tunnel, ISL, Saber FR/Enforcer	1
90	0633594		Rear Wall, Interior, Adjustable Seating	1
91	0632103		Rear Wall, Exterior, Cab, Saber FR/Enforcer	1
			Material, Exterior Rear Wall - Aluminum Treadplate	
92	0639727		Cab Lift, Elec/Hyd, Manual Override, Saber FR/Enforcer	1
93	0695930		Grille, Bright Finished, Front of Cab, Dash CF/Enforcer	1
94	0002224		Scuffplates, S/S At Cab Door Jambs, 4-Door Cab	1
			Material Trim/Scuffplate - c) S/S, Polished	
95	0647932		Not Required, Trim, S/S Band, Across Cab Face, AXT/Dash CF/Saber/Enforcer	1
96	0087357		Molding, Chrome on Side of Cab	1
97	0697030		Mirrors, Ramco, 6001PCHR, Heated/Remote, w/Heated/Remote Convex, Cab Corner Mnt	1
98	0517525		Mirrors, 8" K-10 Eyeball, PS Cab Front, Front Cross View	1
99	0022186		Riser, Ramco Mirror, 4.00", Pair	1
100	0648170		Door, Half-Height, Saber FR/Enforcer 4-Door Cab, Raised Roof	1
			Key Model, Cab Doors - 751	
101	0794125	SP	Door Panel, Painted Aluminum, Lower Scuffplate, SFR/Enf 4-Door Cab	1
			Material Trim/Scuffplate - a) 4-way alum, Bright	
102	0630636		Controls, Electric Roll-Up Windows, 4dr, 4 Driver Controls, Saber FR/Enforcer	1
103	0638310		Steps, 4-Door Cab, Saber FR/Enforcer	1
			Step Well Material - Aluminum Treadplate	
104	0770200		Handrail, Exterior, Hansen, Knurled, Alum, LED Backlit, 4-Door Cab	1
			Color, Handrail Light - Red	
			Control, Handrail Light - Perimeter Lights	
105	0634786		Lights, Cab & Crw Cab Acs Stps, P25, LED w/Bezel, 1Lt Per Step 6lts	1
106	0583698		Fenders, S/S on cab, Extra Wide, Saber/Enf	1
107	0637984		Window, Side of C/C, Fixed, Saber FR/Enforcer	1
108	0012090		Not Required, Windows, Front/Side of raised roof	1
109	0779033		Not Required, Windows Rear of Crew Cab, Saber FR/Enforcer	1
110	0097671		Enclosure Around Light Tower on Cab Roof, Painted, Angled Front	1
111	0797070		Recess Windshield Washer Fill, SFR/Enf	1
112	0553057		Holder, Cup, Cab/Crewcab, Each	4
			Qty, - 04	
113	0607217		Mounting Provisions, 3/16" Alum, Full Engine Tunnel, Saber FR/Enforcer	1
			Mounting Provision Spacing - 1.00"	
			Material Finish, Cab Interior - D/A	
114	0657891		Mounting Plate, 3/16" Aluminum, Pegboard, Cab Interior	2
			Location - DS Forward Facing Outboard Position, on backwall from DS forward facing seat to side wall and side wall	
			Qty, - 02	
			Size - Floor to top of seat in height and side and back wall for width	
			Mounting Provision Spacing - 1.00"	
			Material Finish, Cab Interior - D/A	
115	0750824		Cab Interior, Vinyl Headliner, Saber FR/Enforcer, CARE	1
			Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Black	
			Engine Tunnel Cover - Black Endure Vinyl	
			Cab Interior Rear Wall Material - Painted Aluminum	
116	0753903		Cab Interior, Paint Color, Saber FR/Enforcer	1
			Color, Cab Interior Paint - b) black	
117	0052100		Floor, Rubber Padded, Cab & Crew Cab, Saber/Enforcer	1
118	0741237		HVAC, Saber/Enforcer, CARE	1
			HVAC System, Filter Access - Removable Panel	
			Auxiliary Cab Heater - Both	
			HVAC System, Control Loc. - Panel Position #12	
119	0032085		Fans, Window Defrost, Two (2), Location Feature	1
			Location - CREW CAB	
120	0587940		Fans, Window Defrost, Maradyne Crew Cab	2
			Location - Crew Cab rear corners facing forward	
			Qty, - 02	

Line	Option	Type	Option Description	Qty
121	0639675		Sun Visor, Smoked Lexan, AXT, Dash CF, Imp/Vel, Saber FR/Enforcer	1
			Sun Visor Retention - No Retention	
122	0634328		Grab Handles, Driver and Officer Door Posts, Saber FR/Enforcer	1
123	0583938		Lights, Engine Compt, Custom, Auto Sw, Wln 3SC0CDCR, 3" LED, Trim	1
			Qty, - 01	
124	0631830		Fluid Check Access, Saber FR/Enforcer, Arrow XT	1
125	0583042		Side Roll and Frontal Impact Protection	1
126	0622617		Seating Capacity, 6 Seats	1
127	0636955		Seat, Driver, Pierce PSV, Air Ride, High Back, Safety, Saber FR/Enforcer	1
128	0636942		Seat, Officer, Pierce PSV, Fixed, SCBA, Safety, Saber FR/Enforcer	1
129	0620420		Radio Compartment, Below Non-Air Ride Seat, Saber FR/Enforcer	1
130	0635973		Seat, Rear Facing C/C, DS Outboard, Pierce PSV, SCBA, Safety, Saber FR/Enforcer	1
131	0102783		Not Required, Seat, Rr Facing C/C, Center	1
132	0635969		Seat, Rear Facing C/C, PS Outboard, Pierce PSV, SCBA, Safety, Saber FR/Enforcer	1
133	0781697		Cabinet, Forward Facing, LS, 22 W x 48.50 H x 16.25 D, Roll, SFR/Enf	1
			Light, Short Cabinet - Pierce, Interior, Right Side and Pierce, Interior, Left Side	
			Material Finish, Shelf - Painted - Cab Interior	
			Shelf/Tray, Cabinet - (1) Shelf, Adjustable, 0.75" Up-Turned Lip	
			Door, Cab Interior Cabinet - Rollup, Amdor, Anodized, Non-Locking	
			Louvers, Cabinet - 0-No Louvers	
134	0635957		Seat, Forward Facing C/C, Center, (2) Pierce PSV, SCBA, Safety, Saber FR/Enf	1
135	0781314		Cabinet, Forward Facing, RS, 22 W x 48.50 H x 16.25 D, Roll, SFR/Enf	1
			Light, Short Cabinet - Pierce, Interior, Right Side and Pierce, Interior, Left Side	
			Material Finish, Shelf - Painted - Cab Interior	
			Shelf/Tray, Cabinet - (1) Shelf, Adjustable, 0.75" Up-Turned Lip	
			Door, Cab Interior Cabinet - Rollup, Amdor, Anodized, Non-Locking	
			Louvers, Cabinet - 0-No Louvers	
136	0748059	SP	Upholstery, Seats In Cab, All Endure Vinyl w/Red Stitching, CARE	6
			Color, Cab Interior Vinyl/Fabric - Endure Vinyl - Black	
			Qty, - 06	
137	0543991		Bracket, Air Bottle, Hands-Free II, Cab Seats	5
			Qty, - 05	
138	0690610		Embroidery, Seats, Cab and Crew Cab	1
			Qty, Seats Embroidery - 6 Seats	
139	0678689		Compt, Enclose, Forward Facing Seat Riser, VEL/IMP/Qtm/SFR/Enf	1
			Location - Forward Facing Center Seats Riser	
			Qty, - 1	
140	0603866		Seat Belt, Dual Retractor, ReadyReach, Saber FR/Enforcer	1
			Seat Belt Color - Red	
141	0564727		Bracket, Helmet Holder, On Scene Talon	5
			Qty, - 05	
142	0647632		Lights, Dome, Wln 60C*EGCS Dual LED 4 Lts	1
			Color, Dome Lt - Red & White	
			Control, Dome Lt White - Door Switches and Lens Switch	
			Control, Dome Lt Color - Lens Switch	
143	0555813		Handlts, (4) Streamlight, Fire Vulcan, 44451, C4 LED, Tail Lts, 12v, Orange	1
			Location, Portable Hand Light - to be mounted at pick up	
144	0603606		Cab Instruments, Ivory Gauges, Chrome Bezels, Enf MUX	1
			Emergency Switching - Individual Switches	
145	0509511		Air Restriction Indicator, Imp/Vel, AXT, Dash CF, Enf MUX	1
146	0543751		Light, Do Not Move Apparatus	1
			Alarm, Do Not Move Truck - Pulsing Alarm	
147	0509042		Messages, Open Dr/DNMT, Color Dsply,	1
148	0622798		Switching, Cab Instrument Lower Console & Overhead, Rocker MUX, Enforcer	1
149	0740780	SP	Wiper Control, 2-Speed with Intermittent, Enf MUX	1
150	0591464		Wiring, Spare, 3 A 12V DC 1st	2
			Qty, - 02	
			12vdc power from - Battery direct	
			Wire termination - 15 amp power point plug	
			Location - mounted on rear forward facing compartments on LS and RS	

Line	Option	Type	Option Description	Qty
151	0610968		Wiring, Spare, 2.0 A 12V DC, USB Termination Blue Sea 1016 1st Qty, - 02 12vdc power from - Battery direct Location - Officer and Driver Dash Area	2
152	0643196		Radio, AM/FM/CD/WB, Jensen, Front Aux In / USB / Bluetooth Speakers, AM/FM Radio - Two (2) pairs of speakers, Cab/Crew Antenna, AM/FM Radio - c) Roof-mounted rubber antenna Location, AM/FM Radio - e) switch panel	1
153	0615386		Vehicle Information Center, 7" Color Display, Touchscreen, MUX System Of Measurement - US Customary	1
154	0734857		Collision Mitigation, HAAS Alert (R2V), HA5 Subscription, HAAS R2V - R2V - 5 Year Data Plan Subscription	1
155	0606249		Vehicle Data Recorder w/CZ and Overhead Display Seat Belt Monitor	1
156	0602598		Intercom, Firecom 5100D Single Radio, 1 Wireless Base Station, 1-5 Wireless Location - Behind Officer Seat	1
157	0006240		Cable, Radio to Intercom Interface, Firecom, 1 Radio Radio, First Two-Way Make - Motorola High Power Radio, First, Two-Way Model - Motorola APX 7500 HP	1
158	0794480		Headset, Firecom, Wireless, UHW-507 Under Helmet, Radio Transmit, Bluetooth Qty, - 05 Location - driver, officer, RS rear facing, LS rear facing, center forward facing	5
159	0661616		Hangers For Headsets, NFPA, Each, Shipped Loose Qty, - 04	4
160	0681408		Hangers For Headsets, NFPA, Each Qty, - 06 Location, Headset Hangers - Driver Seat, Officer Seat, DS Inbrd, Rear Fcng Seat, DS Outbrd, Fwrd Fcng Seat and PS Outbrd, Fwrd Fcng Seat	6
161	0029102		Interface, Firecom Intercom to AM/FM radio	1
162	0640653		Cable, Firecom Radio Interface Extension, 15' Location - Cable ran to rear officer seat Qty, - 1	1
163	0788871		Antenna Kit, External for Firecom Wireless	1
164	0562774		Install Customer Provided Thermal Camera(s), Charger Only Location - PER IP AND DASH LAYOUT. Wires ran to engine tunnel area and will be mounted at pickup Qty, - 01	1
165	0559156		Install Customer Provided Two-Way Radio(s) Location - PER IP LAYOUT Qty, - 01	1
166	0773657	SP	Camera, Pierce, Mux, Officer 7" Display, R, RS, LS Cameras Camera System Audio - Not Provided	1
167	0615112		Pierce Command Zone, Advanced Electronics & Control System, Enforcer, WiFi	1
168	0624253		Electrical System, Enforcer MUX	1
169	0079166		Batteries, (4) Exide Grp 31, 950 CCA ea, Threaded Stud	1
170	0615563		Battery System, Single Start, Kissling Red Switch, Enforcer	1
171	0002698		Battery Compartment, Saber/Enforcer	1
172	0531315		Charger, Sngl Sys, IOTA, DSL-75, 75 Amp, Kussmaul 091-94-12 Ind, Qtm/Ent/SFR	1
173	0012782		Location, Charger, Front Left Side Body Compartment Location, Battery Chrg/Cmpr - High On Left Wall	1
174	0537512		Location, Bat Chrg Ind, Display Through Window Behind Driver Seat	1
175	0016857		Shoreline, 20A 120V, Kussmaul Auto Eject, 091-55-20-120, Super Qty, - 01 Color, Kussmaul Cover - d) yellow Shoreline Connection - Battery Charger	1
176	0026800		Shoreline Location Location, Shoreline(s) - DS Cab Side	1
177	0647728		Alternator, 430 amp, Delco Remy 55SI	1
178	0603848	SP	Relocate, Rear Command Zone Power Distribution, High Under Body	1
179	0607902	SP	Programming, Crew Cab Air Conditioner, Interlock w/ Cab Tilt, SFR/Enforcer	1
180	0092582		Load Manager/Sequencer, MUX Enable/Disable Hi-Idle - e) High Idle enable	1
181	0780484		Headlights, Rect LED, HiViz FT-4X6-4KIT, AXT/DCF/Ent/Imp/Sab/Vel	1

Line	Option	Type	Option Description	Qty
182	0625953		Light, Directional, Wln 600 Cmb, Cab Crn, Wrp Bzl Out HD Lts, Enf, Sab FR Color, Lens, LED's - c)clear	1
183	0620054		Light, Directional/Marker, Intermediate, Weldon 9186-8580-29 LED 2lts	1
184	0615971		Lights, Clearance/Marker/ID, Front, P25 LED 5 Lts,Saber FR/Enforcer, Visor Brkt.	1
185	0796064		Lights, Directional/Marker, Cab Front Side, Truck-Lite 19036YLED, Saber FR	1
186	0627282		Lights, Clearance/Marker/ID, Rear, FRP LED Bar & P25 LED 4Lts	1
187	0568392		Lights, Tail, Wln M9BTTX Red LED Stop/Tail & M9T Amber LED Dir w/Flange	1
188	0568394		Lights, Backup, Wln M9BUW, LED, Flange Feature Flange Kit - w)with flange	1
189	0664481		Bracket, License Plate & Light, P25 LED	1
190	0681444		Instruction, Order of Tail Lt Instl, Stop, Dir, BU, Warn	1
191	0589905		Alarm, Back-up Warning, PRECO 1040	1
192	0769420		Lights, Perimeter Cab, Amdor AY-LB-12HW020 LED 4Dr	1
193	0769572		Lights, Perimeter Pump House, Amdor AY-LB-12HW020 LED 2lts	1
194	0770056		Lights, Perimeter Body, Amdor AY-LB-12HW020 LED 2lts, Rear Step Control, Perimeter Lts - Parking Brake Applied, PS Directional Light to PS Side Lts and LS Dir Lt to LS Side Lts, 5 Sec Del	1
195	0556360		Lights, Step, P25 LED 4lts, Pump Pnl Sw	1
196	0640991		Light, Wln, 12V PCPSM2* Pioneer LED Fld/Spt, Surface Mnt 1st Location, Lights - REARWARD ON BODY SIDE SHEET, cab between cab and crew doors Qty, - 02 Switch, Lt Control 1 DC,1 - DS & PS Switch Panel Switch, Lt Control 2 DC,2 - DS Pump Panel Switch, Lt Control 3 DC,3 - d) No Control Switch, Lt Control 4 DC,4 - d) No Control Color, Wln Lt Housing - Chrome Flange	2
197	0640941		Light, Wln, 12V PCPSM2* Pioneer LED Fld/Spt, Surface Mnt 2nd Location, Lights - REARWARD ON BODY SIDE SHEET, LS CAB BETWEEN CREW AND CAB DOORS Qty, - 02 Switch, Lt Control 1 DC,1 - DS & PS Switch Panel Switch, Lt Control 2 DC,2 - f) Pump Operator's Panel Switch, Lt Control 3 DC,3 - d) No Control Switch, Lt Control 4 DC,4 - d) No Control Color, Wln Lt Housing - Chrome Flange	2
198	0748986		Light, Visor, Wln S30M**, 30" Cnt Feature Qty, - 02 Location, driver's/passenger's/center - 1LS & 1RS 8 Deg Out Color, Wln Lt Housing - White Paint Control, Scene Lts - Cab Sw Panel DS, Pump Panel Sw DS and Cab Sw Panel PS LED Module Type - 1 Red, 1 Blue Warning	2
199	0532358		Not Required, Deck Lights, Other Hose Bed & Rear Lighting	1
200	0645877		Lights, Hose Bed, Sides, Dual LED Light Strips Control, Hose Bed Lts - Cup Switch At Rear	1
201	0775755		Lights, Rear Scene, HiViz, FT-GSM 2lts Control, Rear Scene Lts - Cab Switch Panel DS, Cab Switch Panel PS, Cup Switch At Rear SS and Reverse w/E-Master	1
202	0709438		Light, Walking Surf, FRP Flood, LED	1
203	0060115		Pumper, Medium, Aluminum, 2nd Gen	1
204	0554271		Body Skirt Height, 20"	1
205	0028298		Tank, Water, 1000 Gallon, Poly, Med	1
206	0003405		Overflow, 4.00" Water Tank, Poly	1
207	0028104		Foam Cell Required	1
208	0633066		Sleeve, Through Tank Qty, Sleeve - 1 Water Tank Sleeve - Plumbing/Hydraulic Diameter - 3" Plumbing	1
209	0553729		Not Required, Restraint, Water Tank, Heavy Duty	1
210	0003429		Not Required, Direct Tank Fill	1
211	0003424		Not Required, Dump Valve	1
212	0048710		Not Required, Jet Assist	1
213	0030007		Not Required, Dump Valve Chute	1

Line	Option	Type	Option Description	Qty
214	0514778		Not Required, Switch, Tank Dump Master	1
215	0126633		Hose Bed, Aluminum, Pumper	1
216	0003481		Hose Bed Capacity, Special	1
			Capacity, Hosebed - 1000' of 5" and 800' of 2.5"	
217	0003488		Divider, Hose Bed, Unpainted	1
			Qty, Hosebed Dividers - 1	
218	0010133		Cross-Divider, Hose Bed	1
219	0655195		Side Sheet, Right Side, Moved Outboard	1
220	0729491		Cover, Hose Bed, Alum Treadplate, Bolted T-Bar, Full Width Over Side Compt	1
221	0697328		Flap, Rear of Alum Hose Bed Cover, Two Piece, Vinyl, w/Seat Belt Buckles	1
			Color, Vinyl Cover - c) black	
222	0013512		Running Boards, 12.75" Deep	1
223	0689621		Tailboard, 16" Deep	1
224	0690037		Wall, Rear, Smooth Aluminum/Body Material	1
			Material, Rear Wall Inboard Facing Surfaces - Aluminum Diamondplate	
225	0003531		Tow Bar, Under Tailboard	1
226	0097752		Tray, Hose, Running Board, 4-Way Cover, Special Capacity, Mechanical Stay Arm	2
			Location, Hose Tray, Running Board - a) both sides	
			Qty, Tray, Hose - 2	
			Capacity, Hose Tray - 25' of 5" Hose	
			Latch, Door, Storage - "D" Handle Latch	
227	0003561		Construction, Compt, Alum, Pumper	1
228	0023650		LS 152" Rollup, Full Height Front & Rear, FDLER	1
229	0063658		RS 152" Rollup, Full Height Front & Rear, FDLER	1
230	0796649		Doors, Rollup, ROM Series IV, Side Compartments	6
			Qty, Door Accessory - 06	
			Color, Roll-up Door - ROM Series IV Painted to Match Lower Body	
			Latch, Roll-up Door - Non-Locking Liftbar	
231	0083702		Compt, Rear, Rollup, 51.25" FF, 25.88" D	1
232	0791760		Door, ROM Series IV, Rollup, Rear Compartment	1
			Color, Roll-up Door - ROM Series IV Satin Finish	
			Latch, Roll-up Door - Non-Locking Liftbar	
233	0554995		No Body Modification Required	1
234	0625184		Guard, Drip Pan, S/S, Rollup Door, Pumper	6
			Qty, Door Accessory - 06	
			Location, Door Guard/Drip Pan - LS1, LS2, LS3, RS1, RS2 and RS3	
235	0632836		Trim, Rollup Door, Painted Job Color, ROM	6
			Qty, - 06	
236	0616670		Lights, Compt, Pierce LED, Dual Light Strips, Each Side of Door, Pumper/Tanker	7
			Qty, - 07	
			Location, Compartment Lights - All Body Compts	
237	0739915		Hatch, (2) Liftup, Pumper	1
			Location, Hatch Compt - Left Side	
			Qty, Hatch Compt - 1	
			Trim, Body/Hatch Compt Seam, Horizontal - Painted Formed - Match	
			Upper	
			Hatch Compt, Width - 14"	
			Latch, Hatch Compt - Lever Latch	
238	0730092		Not Required	1
239	0733219		Lights, Hatch Compt, 42", LED, Light Strips, 2-Sides 4 Dr	1
240	0687146		Shelf Tracks, Painted	5
			Qty, Shelf Track - 05	
			Location, Shelf Track - LS1, LS3, RS1, RS3 and B1	
241	0600350		Shelves, Adj, 500 lb Capacity, Full Width/Depth, Predefined Locations	8
			Qty, Shelf - 08	
			Material Finish, Shelf - Painted - Spatter Gray	
			Location, Shelves/Trays, Predefined - RS3-Transition Point, RS3-Upper	
			Third, RS1-Upper Third, LS1-Centered, LS2-Centered, B1-Centered, LS3-	
			Upper Third, LS1-Upper Third and LS3-Transition Point	
242	0647091		Tray, Floor Mounted, Slide-Out, 500lb, 2.00" Sides	2
			Qty, - 02	
			Location, Tray Slide-Out, Floor Mounted - RS1 and LS1	
			Material Finish, Tray - Painted - Spatter Gray	

Line	Option	Type	Option Description	Qty
243	0540317		Toolboard, Swing-out, Alum, .188", Peg Board	2
			Qty - 2	
			Location, Pivot - Front	
			Mounting, Toolboard - Adjustable Frt-back	
			Hole Diameter, Pegboard/Toolboard - .203" diameter	
			Finish, Pegboard/Toolboard - Brushed Finish	
			Location, Toolboard - LS2 and RS2	
244	0649246		Little Giant Ladder Storage, In Compt, Location	1
			Location - To the left side of RS3 Compartment	
			Configuration - Vertical	
			Ladder, Make/Model - Little Giant Revolution Model 17	
245	0656031		Compt, Backboard Storage, Over Pump	1
			Size, Backboard - 18" x 72" x 2"	
			Door, Material & Finish, Storage - Polished S/S	
			Latch, Door, Storage - Southco M1 Push Close, Flush, Pair	
			Qty, Backboard Troughs - 2	
			Hinge Location - Rearward	
			Location, BB/Stokes/Long Tool Storage Over Pump - Forward, Cargo Area	
			Access, Backboard/Stokes/Long Tool Compt - Both	
246	0655982		Matting, Turtle Tile, Thin Profile, Compt Shelving only	5
			Location - LS1,LS2, RS1, RS2, AND RS3	
			Qty, Shelf - 05	
			Color - 1) black	
247	0659383		Matting, Turtle Tile w/Ramp, Compt Floors	6
			Location - LS1, LS3, RS1,, RS3, BS1	
			Qty, Comp. Accessory - 06	
			Color - 1) black	
			Color, Tile Edge - red	
248	0544203		Matting, Turtle Tile, Hatch Compt Floor, Each	2
			Location - HATCH COMPTS	
			Qty, - 02	
			Color - 1) black	
249	0797957		Pac Trac, Installed on Compt Wall, Back Wall Only	5
			Location - UPPER LS1, LS2, RS1 UPPER, RS2, UPPER RS3	
			Qty, Comp. Accessory - 05	
250	0009729		Pac Trac, Installed on Compt Walls	1
			Location - LS3	
			Qty, Comp. Accessory - 01	
251	0003908		Partition, Trans Rear Compt	2
			Qty, Partition - 02	
			Location, Partition - c) both sides	
252	0024016		Rub Rail, Aluminum Extruded, Side & Rear of Body	1
253	0784811		Fender Crowns, Rear, Stainless, w/Removable Liner	1
			Material Finish, Fender Liner - Painted	
254	0077891		Hose, Hard Suction, 6.0", 10.0', Clear Corrugated, 5.0" Storz	2
			Qty, Hard Suction Hose - 2	
255	0615023		Storage, HSH, (2), Hose Bed, Stacked, Trough, Strap	1
			Location, Hose Trough/Compartment - a) left side	
			Trough, Material - Stainless Steel (2)	
			Material, Top of Hose Bed Compartment - Open/None	
256	0621021		Handrails, Side Pump Panels, Per Print, Hansen Knurled Alum Tubing, LED Backlit	1
			Switch, Handrail Light Control - With Cab Hand Rail Controls	
			Color, Light, Hansen Handrail - Blue	
257	0004126		Handrails, Beavertail, Standard	1
258	0004146		Handrail, Rear, Below Hose Bed, Full Width	1
259	0636301		Compt, Extinguisher (2) in Fender Panel, Triangular Door	1
			Location, Bracket/comp. - LS Forward of Rear Wheels	
			Qty, - 1	
			Door Finish, Fender Compt - Painted	
			Latch, Air Bottle Compt - Southco M1 Series 25 Push to Close Latch	
			Insert, Air Bottle Compt - Rubber Matting	
260	0657522		Compt, Air Bottle, Triple, Fender Panel	2
			Qty, Air Bottle Comp - 2	

Line	Option	Type	Option Description	Qty
260			Door Finish, Fender Compt - Painted Location, Fender Compt - Triple - LS Fwd and Triple - RS Fwd Latch, Air Bottle Compt - Southco M1 Series 25 Push to Close Latch Insert, Air Bottle Compt - Rubber Matting	
261	0004225		Ladder, 24' Duo-Safety 900A 2-Section	1
262	0004230		Ladder, 14' Duo-Safety 775A Roof	1
263	0049958		Ladders Btwn Tank & S.Sht, RS, Ext'd Rr, Encl'd Complete, RPH Door, Material & Finish, Ladder Storage - smooth aluminum Latch, Door Ladder Storage - D-Handle latch Hinge Location - Right Side	1
264	0014245		Ladder, 10' Duo-Safety Folding 585A, w/Mounting Location, Folding Ladder - Ladder Compartment	1
265	0602877		Pike Pole, Pumper, Provided by Fire Department, NFPA 2016 Pike Pole Make/Model - Duo-Safety 10' Pike Pole	1
266	0552649		Pike Pole, 6' Fire Hooks Unlimited, New York Roof Hook, Steel, Pry End, RH-6 Qty, - 01 Location - Inside Ladder Storage	1
267	0004361		Tubes, Alum, Pike Pole Storage Qty, Pike Pole Tubes - 02 Location, Pike Pole Tube - Ladder Storage	2
268	0019270		Bell, 12" Chrome w/Eagle, w/Electric Striker Location, Acc. Misc. - b) passenger's side Location, Switch - m) cab, 2 locations Qty, Momentary Switch - Two (2) switches	1
269	0785102		Steps, Folding, Front of Body, Cargo Bed Access, w/LED, Trident Coating, Step - black Location, Steps - Full Height Left and Right Side Device w/LED Light	1
270	0592994		Steps, Folding, Rear of Body, w/LED, Trident Coating, Step - black	1
271	0004435		Pump, Waterous, CSU, 2000 GPM, Single Stage	1
272	0004482		Seal, Mechanical, Waterous	1
273	0559769		Trans, Pump, Waterous C20 Series	1
274	0635600		Pumping Mode, Stationary Only	1
275	0605126		Pump Shift, Air Mnl Override, Split Shaft, Interlocked, Waterous	1
276	0003148		Transmission Lock-up, EVS	1
277	0004547		Auxiliary Cooling System	1
278	0014486		Not Required, Transfer Valve, Stage Pump	1
279	0746508		Valve(s), Relief Intake, Trident Air Max, Control Location Qty - 1 Pressure Setting - 125 psig Intake Relief Valve Control - Left Side Pump Panel	1
280	0794959		Controller, Pressure, Pierce, Pump Boss, PBA300	1
281	0072153		Primer, Trident, Air Prime, Air Operated	1
282	0658361		Thermal Relief Valve, OPM, w/Red Warning Light and Audible Alarm, Waterous Pump Location, Thermal Relief Discharge - Ground	1
283	0780364		Manuals, Pump, (2) Total, Electronic Copies	1
284	0602512		Plumbing, Stainless Steel and Hose, Single Stage Pump, Control Zone	1
285	0795135		Plumbing, Stainless Steel, w/Foam System	1
286	0004645		Inlets, 6.00" - 1250 GPM or Larger Pump	1
287	0004646		Cap, Main Pump Inlet, Long Handle, NST, VLH	1
288	0014650		Pump Suction Tube(s), Short, All	1
289	0084610		Valves, Akron 8000 series- All	1
290	0004660		Inlet, Left Side, 2.50"	1
291	0029147		Not Required, Inlet, Right Side	1
292	0016158		Valve, Inlet(s) Recessed, Side Cntrl, "Control Zone" Qty, Inlets - 1	1
293	0506006		Anode, Zinc, (4) Pump- Inlets/Outlets	1
294	0012635		Elbow, 30 Degree Side Inlet, 6" FNST Swivel x 5" Storz w/Cap Qty, Adapter for Inlet - 2 Location, driver's/passenger's/center - Left & Right	2
295	0004700		Control, Inlet, at Valve	1
296	0092569		No Rear Inlet (Large Dia) Requested	1

Line	Option	Type	Option Description	Qty
297	0092696		Not Required, Cap, Rear Inlet	1
298	0064116		No Rear Inlet Actuation Required	1
299	0009648		No Rear Intake Relief Valve Required on Rear Inlet	1
300	0092568		No Rear Auxiliary Inlet Requested	1
301	0563738		Valve, .75" Bleeder, Aux. Side Inlet, Swing Handle	1
302	0029043		Tank to Pump, (1) 3.00" Valve, 3.00" Plumbing	1
303	0004905		Outlet, Tank Fill, 1.50"	1
304	0004940		Outlet, Left Side, 2.50"	1
			Qty, Discharges - 01	
305	0092570		Not Required, Outlets, Left Side Additional	1
306	0004945		Outlet, Right Side, 2.50"	1
			Qty, Discharges - 01	
307	0092571		Not Required, Outlets, Right Side Additional	1
308	0008731		Outlet, 5" w/4" Right, Handwheel	1
			Valve, Brand - Akron	
309	0649939		Outlet, Front, 1.50" w/2" Plumbing	1
			Fitting, Outlet - 1.50" NST with 90 degree swivel	
			Drain, Front Outlet - Automatic	
			Location, Front, Single - top of right bumper	
310	0004995		Outlet, Rear, 2.50"	1
			Qty, Discharges - 01	
			Location, Outlet - b) left side	
311	0092574		Not Required, Outlet, Rear, Additional	1
312	0092573		Not Required, Outlet, Hose Bed/Running Board Tray	1
313	0752097		Caps/Plugs for 1.00" to 3.00" Discharges/Inlets, Chain	1
314	0563739		Valve, 0.75" Bleeder, Discharges, Swing Handle	1
315	0005091		Elbow, Left Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
316	0035094		Not Required, Elbow, Left Side Outlets, Additional	1
317	0025091		Elbow, Right Side Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
318	0089584		Not Required, Elbow, Right Side Outlets, Additional	1
319	0045091		Elbow, Rear Outlets, 45 Degree, 2.50" FNST x 2.50" MNST, VLH	1
320	0085695		Not Required, Elbow, Rear Outlets, Large, Additional	1
321	0005099		Elbow, Large Dia Outlet, 30 Deg, 5.00" FNST x 5.00" Storz	1
322	0062133		Control, Outlets, Manual, Pierce HW if applicable	1
323	0095958		Deluge Outlet, Special Height/Location	1
			Fill in Blank - So deck gun is not highpoint of apparatus	
324	0090927		Outlet, 3.00" Deluge w/TFT Extend-a-Gun XG18	1
325	0543585		Monitor, TFT Crossfire XFC-42, 4" Storz Portable Base, Shaper, Quad Stack Tips	1
			Monitor Finish - Painted by OEM	
326	0040423		Nozzle, TFT Master Stream 1250 M-R, 1250 GPM, Manual	1
327	0046857		Deluge Mount, For TFT Crossfire Monitor, TFT Manual Extend-A-Gun Only	1
328	0029167		Crosslays Sngl Sheet Unpainted, (2+) 1.50", Std. Cap	2
			Qty, Crosslays - 2	
329	0090442		Crosslays Sngl Sheet Unpainted, (1) 2.50" Std Cap	1
330	0591145		Hose Restraint, Crosslay/Deadlay, Top and Ends, Elastic Netting	2
			Qty, - 02	
331	0029260		Not Required, Speedlays	1
332	0750536		Hose Restr, Spdly, Not Required, No Spdly	1
333	0019853		Crosslays, 8.00" Lower Than Standard - Control Zone w/9.00" Raised PH	1
334	0758955		Reel, Booster, Aluminum, Rear Tailboard Compartment	1
335	0005279		Switch, Reel Rewind - One at Reel	1
336	0055302		Hose, Booster - 200' of .75"/800 PSI	1
337	0005244		Capacity, Hose Reel 200' of 1"	1
338	0099703		Nozzle, Task Force, DS 1040	1
			Qty - 1	
339	0046560		Manual, Override, Hose Reel	1
340	0085328		Nozzle Cup, Zico w/Bracket	1
			Location - RS Upper Panel ...exact at pu	
			Qty, - 1	
			Size, Nozzle Cup - 4-5/8" I.D.	
341	0592633		Foam Sys, Husky 3, Single Agent	1
			Discharge - Both 1.5" crosslays, 2.5" crosslay, front bumper line	

Line	Option	Type	Option Description	Qty
341			Amount of Disc. W/Foam - 4	
342	0012126		Not Required, CAF Compressor	1
343	0592527		Refill, Foam Tank, Integral, Husky 3	1
344	0031896		Demonstration, Foam System, Dealer Provided	1
345	0085446		Foam Cell, 25 Gallon, Not Reduce Water	1
			Type of Foam - Class "A"	
346	0697589		Drain, 1.00", Foam Tank #1, Husky 3 Foam System, Quarter Turn	1
347	0091079		Not Required, Foam Tank #2	1
348	0091112		Not Required, Foam Tank #2 Drain	1
349	0007575		Pump House, Side Control, 48", Control Zone	1
350	0746444		Approval Dwg, Color And Label Tags Only	1
351	0032479		Pump Panel Configuration, Control Zone	1
352	0629252		Material, Pump Panels, Side Control Black Vinyl	1
			Material Finish, Pump Panel, Side Control - Black Vinyl	
			Material, Pump Panel, Side Control - Aluminum	
353	0005578		Panel, Pump Access - Right Side Only	1
354	0037731		Pump House Structure, Raised, Included with Ladder Storage	1
355	0583824		Light, Pump Compt, Wln 3SC0CDCR LED White	1
			Qty, - 01	
356	0586382		Gauges, Engine, Included With Pressure Controller	1
357	0005601		Throttle, Engine, Incl'd w/Press Controller	1
358	0739224		Indicator Light @ Pump Panel, Throttle Ready, Incl w/Pressure Gov/Throttle, Green	1
359	0549333		Indicators, Engine, Included with Pressure Controller	1
360	0745568		Indicator Light, Pump Panel, Ok To Pump, Green	1
361	0553643		Control, Air Horn at Pmp Pnl, Red Switch	1
362	0511078		Gauges, 4.00" Master, Class 1, 30"-0-600psi	1
363	0511100		Gauge, 2.00" Pressure, Class 1, 30"-0-400psi	1
364	0607159		Gauge, Water Level, FRC, WLA 300-A00, TankVision Pro	1
365	0604028		Water Level Gauge, FRC, MaxVision WLA280-A00 Programmable Remote Display	2
			Location - RS and LS Cab behind crew cab doors	
			Qty, - 02	
			Activation, Water Level G - pb) parking brake is applied	
366	0604354		Gauge, Foam Level, FRC, Tank Vision Pro, WLA 360-A00, Class "A"	1
367	0663944		Light Shield/Step 8" LED, P25 LED Stp Lt, Prk Brk Activation	1
368	0606697		Air Horns, (2) Grover, In Bumper	1
369	0606835		Location, Air Horns, Bumper, Each Side, Outside Frame, Outboard (Pos #1 & #7)	1
370	0540673		Control, Air Horn, DS & PS Ft Sw, Location Feature	1
			Location 1 - Officer	
			location - Officer engine tunnel, with in reach butted up to mounting plate	
			so wiring is not visible	
371	0525667		Siren, Wln 295SLSA1, 100 or 200 Watt	1
372	0692039		Location, Electronic Siren, Center Console	1
373	0076156		Control, Elec Siren, Head Only	1
374	0601306		Speaker, (1) Wln, SA315P, w/Pierce Polished Stainless Steel Grille, 100 watt	1
			Connection, Speaker - siren head	
375	0601565		Location, Speaker, Frt Bumper, Recessed, Center (Pos 4)	1
376	0016080		Siren, Federal Q2B	1
377	0006095		Siren, Mechanical, Mounted Above Deckplate	1
			Location, Siren, Mech - a) Left	
378	0026163		Control, Mech Siren, DS & PS Foot Sw	1
379	0734674		Sw, Siren Brake, Mom Rocker, Red Outline, RS Overhead Sw Pnl, Mux	1
380	0737437		Sw, Siren Brake, Momentary Red, Pnl 9, Saber FR/Enf	1
381	0606775		Lightbar, Wln, Freedom IV-Q, 72", RRWRRR____RRRWRR	1
			Filter, Whl Freedom Ltbrs - No Filters	
382	0016380		No Additional Lights Req'd, Side Zone Upper	1
383	0602583		Lights, Front Zone, Wln 6RB* M6** M6** 6RB* LED, 4lts Q Bezel	1
			Color, Lens, LED's - c)clear	
			Color, Lt DS Frnt Outside - DS Front Outside Blue	
			Color, Lt PS Frnt Outside - PS Front Outside Red	
			Color, Lt DS Front Inside - w) DS Front Inside White	
			Color, Lt PS Front Inside - w) PS Front Inside White	

Line	Option	Type	Option Description	Qty
384	0653937	.	Flasher, Headlight Alternating	1
			Headlt flash deactivation - a)w/high beam	
385	0540679		Lights, Side Zone Lower, Wln M6°C LED, Clear Lens 2pr	1
			Location, Lights Front Side - b)each side bumper	
			Color, Lt Side Front - Red	
			Color, Lt Side Rear - Red	
			Location, Lights Rear Side - Over Rear Wheels	
386	0698466		Lights, Door Interior Flash, 4 Dr Cab, Wln 0S*00FCR LED	1
			Color, Lights, Warning - c) amber	
387	0680983		Lights, Door Interior Flash, 4 Dr Cab, Weldon 8401-0000-20 LED Strip Light Ovr W	1
388	0745871		Lights, Side, Wln WIONSM** LED, Trim Fet, 1st	4
			Location, Lights - below side scene lights	
			Qty, - 04	
			Color, Lights, Warning - Red	
			Control, Light - b) side warning	
			Color, Trim - Chrome Trim	
389	0564655		Lights, Rear Zone Lower, Wln M6°C LED, Clear Lens, For Tail Lt Housing	1
			Color, Lt DS Rear - r) DS Rear Lt Red	
			Color, Lt PS Rear - r) PS Rear Lt Red	
390	0088745		Light, Rear Zone Upper, Wln L31HRFN LED Beacon, Red LED	1
			Color, Dome, Rear Warning - j) both domes clear	
391	0006551		Not Required, Lights, Rear Upper Zone Blocking	1
392	0006615		Mtg, Rear Warn Lts, On Top of Compt	1
393	0791528		Light, Traffic Directing, Wln TAL65, 36.00" Long, TACTL5	1
			Activation, Traffic Dir L - Not Connected	
394	0551728		Location, Traf Dir Lt, Recessed with S/S Trim	1
395	0533175		Location, Traf Dir Lt Controller, Overhead, Center	1
396	0772909		Light Twr, W-B Chf NS2.3-600 WHL, 4-P*H2, 12VDC Lts Cld 7.5'	1
			Color, Tower, Wlb - White Paint	
			Scene Light Optics - Flood/Spot	
397	0664472		Location, Light Tower, Crew Cab Roof	1
398	0617750		Controller, Light Tower, W-B, Wired Handheld, E-STOP Chf, Chf Pr, Pow Pr	1
399	0664787		Location, Light Tower Controller, Driver's Side Pump Panel	1
400	0519934		Not Required, Brand, Hydraulic Tool System	1
401	0649753		Not Required, PTO Driven Hydraulic Tool System	1
402	0007150		Bag of Nuts and Bolts	1
			Qty, Bag Nuts and Bolts - 1	
403	0602516		NFPA Required Loose Equipment, Pumper, NFPA 2016, Provided by Fire Department	1
404	0519913		Not Required, Soft Suction Hose	1
405	0007028		Strainer, 6.00"	1
406	0602538		Extinguisher, Dry Chemical, Pumper NFPA 2016 Class, Provided by Fire Department	1
407	0602360		Extinguisher, 2.5 Gal. Pressurized Water, Pumper NFPA 2016, Provided by Fire Dept	1
408	0602679		Axe, Flathead, Pumper NFPA 2016 Classification, Provided by Fire Department	1
409	0602667		Axe, Pickhead, Pumper NFPA 2016 Classification, Provided by Fire Department	1
410	0559573		Paint, Single Color, Custom	1
			Paint Color, Predefined - 516	
411	0646897		Paint Chassis Frame Assy, E-Coat, Standard	1
			Paint Color, Frame Assembly, Predefined - Standard Black	
412	0693797		No Paint Required, Aluminum Front Wheels	1
413	0693792		No Paint Required, Aluminum Rear Wheels	1
414	0733739		Paint, Axle Hubs	1
			Paint, Axle Hub - Black #101	
415	0007234		Compartment, Unpainted, D/A Finished	1
416	0556647		Reflective Band, 1"- 1"- 6"- 1"- 1", (10")	1
			Color, Reflect Band - A - a) white	
			Color, Reflect Band - B - p) black	
			Color, Reflect Band - C - w) white	
			Color, Reflect Band - D - BLACK	
			Color, Reflect Band - E - white	
417	0007356		Reflective across Cab Face	1

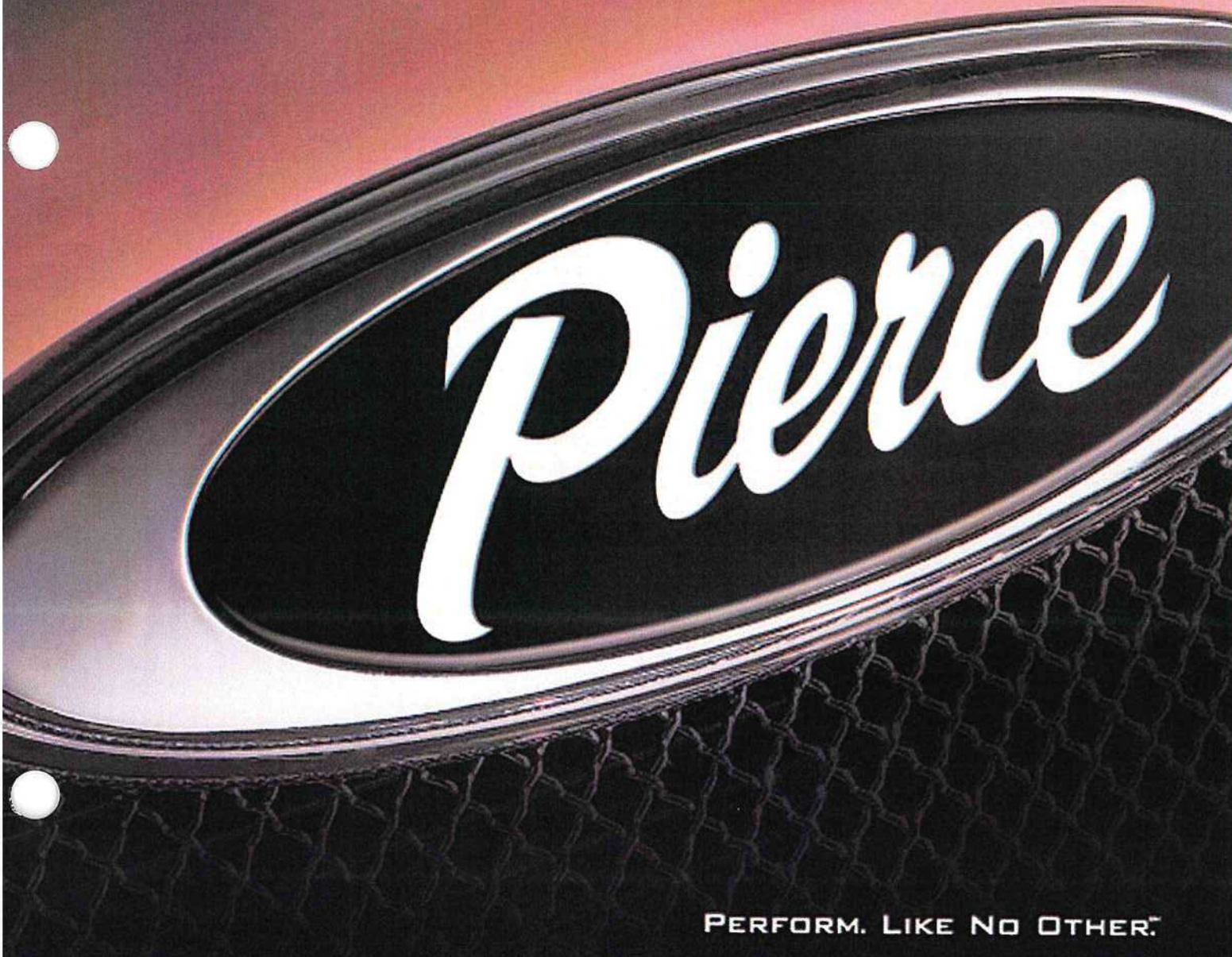
Line	Option	Type	Option Description	Qty
418	0536954		Stripe, Chevron, Rear, Diamond Grade, Pumper	1
			Color, Rear Chevron DG - fluorescent yellow green	
419	0671860		Stripe, Reflective Chevron, Fixed or Adjustable Shelf	7
			Location - all adjustable shelves	
			Color, Reflect Band - A - c) ruby red	
			Qty, - 07	
			Color, Reflect Band - B - u) lemon yellow	
420	0671872		Stripe, Reflective Chevron, Slide Out Tray, Front and Sides	4
			Location - all slide out trays	
			Qty, - 04	
			Color, Reflect Band - B - n) ruby red	
			Color, Reflect Chev - A - j) lemon yellow	
421	0671876		Stripe, Diamond Grade Chevron, Slide Out Tray, Front and Sides	4
			Location - Slide Out Trays	
			Color, Reflect Band - A - p) fluorescent yellow green diamond grade	
			Qty, - 04	
422	0670031		Stripe, Reflective, Toolboard	2
			Location - toolboard in rs2 and ls2	
			Color, Reflect Band - A - c) ruby red	
			Qty, - 02	
423	0545179		Stripe, Diamond Grade, Chevron, Front Bumper	1
			Size, Chevron Striping - 06	
			Color, Chevron DG - Yellow Green, Fluorescent	
			Color, Chevron DG - B - Red	
424	0022087		"Z" Ribbon, w/Shade in Reflective Stripe, Pair	1
			Qty, - 1	
425	0668703		Stripe, Reflective, Cab and Crew Cab Doors Interior, Match Exterior of Apparatus	1
426	0027372		Lettering Specifications, (GOLD STAR Process)	1
427	0686428		Lettering, Gold Leaf, 3.00", (41-60)	1
			Outline, Lettering - Outline and Shade	
428	0685745		Lettering, Sign Gold, 10.00", Each	30
			Qty, Lettering - 30	
			Outline, Lettering - Outline and Shade	
429	0685978		Lettering, Reflective, 18.00", Each	4
			Qty, Lettering - 04	
			Outline, Lettering - Outline and Shade	
430	0769755		Emblem, Texas Flag Painted on Cab Grille, All Custom Chassis	1
431	0000000	STF	BK Kustomz Safety Straps Chainsaw Poly Tray (1 set)	2
			Location - Body Compartment TBD	
			Qty, - 02	
431	0000000	STF	BK Kustomz Stand-Alone poly cubby	2
			Location - Body Compartments TBD	
			Qty, - 02	
431	0000000	STF	BK Kustomz Raised Engine Tunnel Center Console	1
			Location - Probably on the Engine Tunnel, maybe ceiling... let customer make that decision	
			Qty, - 1	
431	0000000	STF	BK Kustomz Chainsaw Poly Tray	1
			Location - TBD	
			Qty, - 1	
431	0000000	STF	BK Kustomz Rescue Tool Tray (3 Tool System) with Hydraulic Hose Box	1
			Location - Body Compartment TBD	
			Qty, - 1	
432	0772003		Manual, Fire Apparatus Parts, USB Flash Drive, Custom	1
			Qty, - 01	
433	0772037		Manual, Chassis Service, USB Flash Drive, Custom	1
			Qty, - 01	
434	0773381		Manual, Chassis Operation, (1) USB Flash Drive, Custom	1
435	0030008		Warranty, Basic, 1 Year, Apparatus, WA0008	1
436	0651119		Warranty, Engine, Cummins, 10 Year/200,000 Mile Major Components	1
437	0684953		Warranty, Steering Gear, Sheppard M110, 3 Year WA0201	1
438	0596017		Warranty, Frame, 50 Year, Custom Chassis, WA0013	1
439	0595698		Warranty, Axle, 3 Year, TAK-4, WA0050	1

Line	Option	Type	Option Description	Qty
440	0733306		Warranty, Single Axle, 5 Year, Meritor, General Service, WA0384	1
441	0652758		Warranty, ABS Brake System, 3 Year, Meritor Wabco, WA0232	1
442	0019914		Warranty, Structure, 10 Year, Custom Cab, WA0012	1
443	0595813		Warranty, Paint, 10 Year, Cab, Pro-Rate, WA0055	1
444	0524627		Warranty, Electronics, 5 Year, MUX, WA0014	1
445	0695416		Warranty, Pierce Camera System, WA0188	1
446	0647720		Warranty, Pierce LED Strip Lights, WA0203	1
447	0046369		Warranty, 5-year EVS Transmission, Standard Custom, WA0187	1
448	0685945		Warranty, Transmission Cooler, WA0216	1
449	0688798		Warranty, Water Tank, Lifetime, UPF, Poly Tank, WA0195	1
450	0596025		Warranty, Structure, 10 Year, Body, WA0009	1
451	0681118		Warranty, ROM, Roll-up Door, 7 Year, WA0206	1
452	0734463		Warranty, Pump, Waterous, 7 Year Parts, WA0382	1
453	0648675		Warranty, 10 Year S/S Pumping, WA0035	1
454	0657990		Warranty, Foam System, Husky 3, WA0231	1
455	0595820		Warranty, Paint, 10 Year, Body, Pro-Rate, WA0057	1
456	0595421		Warranty, Goldstar, 3 Year, Apparatus, WA0018	1
457	0683627		Certification, Vehicle Stability, CD0156	1
458	0736238		Certification, Engine Installation, Saber FR/Enf, Cummins L9, 2021	1
459	0686786		Certification, Power Steering, CD0098	1
460	0631980		Certification, Cab Integrity, Saber FR/Enforcer, CD0130	1
461	0631973		Certification, Cab Door Durability, Saber FR/Enforcer, CD0137	1
462	0631978		Certification, Windshield Wiper Durability, Saber FR/Enforcer, CD0132	1
463	0631974		Certification, Electric Window Durability, Saber FR/Enforcer, CD0133	1
464	0631977		Certification, Seat Belt Anchors and Mounting, Saber FR/Enforcer, CD0134	1
465	0735949		Certification, Cab HVAC System Performance, SFR/Enf, CD0165/CD0167/CD0174/CD0175	1
466	0545073		Amp Draw Report, NFPA Current Edition	1
467	0002758		Amp Draw, NFPA/ULC Radio Allowance	1
468	0799248		Appleton/Florida BTO	1
469	0000018		PUMPER, 2ND GEN	1
470	0000012		PIERCE CHASSIS	1
471	0004713		ENGINE, OTHER	1
472	0046395		EVS 3000 Series TRANSMISSION	1
473	0020011		WATEROUS PUMP	1
474	0020009		POLY TANK	1
475	0028048		FOAM SYSTEM	1
476	0020006		SIDE CONTROL	1
477	0020007		AKRON VALVES	1
478	0020015		ABS SYSTEM	1
479	0658751		PUMPER BASE	1

Proposal for Pharr Fire Rescue

Prepared by Michael Collins, Siddons-Martin Emergency Group

12/14/2020

A close-up, low-angle shot of a fire truck's front grille. The grille is black with a prominent chrome mesh. A large, oval-shaped chrome badge is mounted on the grille, featuring the word "Pierce" in a white, cursive script. The background is a blurred, warm-toned sky with shades of orange, red, and purple, suggesting a sunset or sunrise. The lighting creates strong highlights on the chrome surfaces of the badge and grille.

Pierce

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and certified to meet the American welding Society codes upon hire and every three (3) years thereafter. Pierce also employs an American Welding Society certified welding inspector in plant during working hours to monitor weld quality.

Pierce Manufacturing operates a Quality Management System under the requirements of ISO 9001. These standards sponsored by the International Organization for Standardization (ISO) specify the quality systems that are established by the manufacturer for design, manufacture, installation and service. A copy of the certificate of compliance is included with this proposal.

In addition to the Quality Management system, we also employ a Quality Achievement Supplier program to insure the vendors and suppliers that we utilize meet the high standards we demand. That is just part of our overall "Quality at the Source" program at Pierce.

To demonstrate the quality of our products and services, a list of at least ten (10) fire departments/municipalities that have purchased vehicles for a second time is provided.

DELIVERY

The apparatus will be delivered under its own power to insure proper break-in of all components while the apparatus is still under warranty. A qualified delivery representative shall deliver the apparatus and remain for a sufficient length of time to instruct personnel in proper operation, care and maintenance of the equipment delivered.

MANUAL AND SERVICE INFORMATION

At time of delivery, complete operation and maintenance manuals covering the apparatus will be provided. A permanent plate will be mounted in the driver's compartment specifying the quantity and type of fluids required including engine oil, engine coolant, transmission, pump transmission lubrication, pump primer and drive axle.

SAFETY VIDEO

At the time of delivery Pierce will also provide one (1) 39-minute, professionally produced apparatus safety video, in DVD format. This video will address key safety considerations for personnel to follow when they are driving, operating, and maintaining the apparatus, including the following: vehicle pre-trip inspection, chassis operation, pump operation, aerial operation, and safety during maintenance.

PERFORMANCE TESTS

A road test will be conducted with the apparatus fully loaded and a continuous run of no less than ten (10) miles. During that time the apparatus will show no loss of power nor will it overheat. The transmission drive shaft or shafts and the axles will run quietly and be free of abnormal vibration or noise. The apparatus when fully loaded will not have less than 25 percent nor more than 50 percent on the front axle, and not less than 50 percent nor more than 75 percent on the rear axle. The apparatus will meet NFPA 1901 acceleration and braking requirements.

SERVICE AND WARRANTY SUPPORT

Pierce dealership support will be provided by Siddons-Martin Emergency Group by operating a Pierce authorized service center. The service center will have factory-trained mechanics on staff versed in Pierce fire apparatus. The service facility will be located within ten (10) miles of the fire department.

COMMERCIAL AUTOMOBILE LIABILITY INSURANCE

The successful bidder will, during the performance of the contract, keep in force at least the following minimum limits of commercial automobile liability insurance and coverage will be written on a Commercial Automobile liability form:

Each Accident Combined Single Limit:\$1,000,000

UMBRELLA/EXCESS LIABILITY INSURANCE

The successful bidder will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of umbrella liability insurance:

Aggregate:\$3,000,000

Each Occurrence:\$3,000,000

The umbrella policy will be written on an occurrence basis and at a minimum provide excess to the bidder's General Liability and Automobile Liability policies.

The required limits can be provided by one (1) or more policies provided all other insurance requirements are met.

Coverage will be provided by a carrier(s) rated A- or better by A.M. Best.

All policies will provide a 30-day notice of cancellation to the named insured. The Certificate of Insurance will provide the following cancellation clause: Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.

Bidder agrees to furnish owner with a current Certificate of Insurance with the coverages listed above along with the bid. The certificate will show the purchaser as certificate holder.

INSURANCE PROVIDED BY MANUFACTURER

PRODUCT LIABILITY INSURANCE

The manufacturer will, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of Product Liability insurance:

Each Occurrence\$1,000,000

Products/Completed Operations Aggregate\$1,000,000

Coverage will be written on a Commercial General Liability form. The policy will be written on an occurrence form. The manufacturer's policy will include the owner as additional insured when required by written contract between the Owner and a Pierce authorized dealer.

shown as approximate. Actual location(s) will be determined based on materials used and actual conditions at final build. Access paths may pass through hose storage areas and opening or removal of covers or restraints may be required. Access paths may require the operation of devices and equipment such as the aerial device or ladder rack.

A plate that is highly visible to the driver while seated will be provided. This plate will show the overall height, length, and gross vehicle weight rating.

The manufacturer will have programs in place for training, proficiency testing and performance for any staff involved with certifications.

An official of the company will designate, in writing, who is qualified to witness and certify test results.

NFPA COMPLIANCY

Apparatus proposed by the bidder will meet the applicable requirements of the National Fire Protection Association (NFPA) as stated in current edition at time of contract execution. Fire department's specifications that differ from NFPA specifications will be indicated in the proposal as "non-NFPA".

VEHICLE INSPECTION PROGRAM CERTIFICATION

To assure the vehicle is built to current NFPA standards, the apparatus, in its entirety, will be third-party, audit-certified through Underwriters Laboratory (UL) that it is built and complies to all applicable standards in the current edition of NFPA 1901. The certification will include: all design, production, operational, and performance testing of not only the apparatus, but those components that are installed on the apparatus.

A placard will be affixed in the driver's side area stating the third party agency, the date, the standard and the certificate number of the whole vehicle audit.

PUMP TEST

Underwriters Laboratory (UL) will test, approved, and certify the pump. The test results and the pump manufacturer's certification of hydrostatic test; the engine manufacturer's certified brake horsepower curve; and the pump manufacturer's record of pump construction details will be forwarded to the Fire Department.

GENERATOR TEST

If the unit has a generator, Underwriters Laboratory (UL) will test, approved, and certify the generator. The test results will be provided to the Fire Department at the time of delivery.

BREATHING AIR TEST

If the unit has breathing air, Pierce Manufacturing will draw an air sample from the air system and have the sample certified that the air quality meets the requirements of NFPA 1989, *Standard on Breathing Air Quality for Fire and Emergency Services Respiratory Protection*.

BID BOND NOT REQUESTED

A bid bond will not be included. If requested, the following will apply:

All bidders will provide a bid bond as security for the bid in the form of a 5% bid bond to accompany their bid. This bid bond will be issued by a Surety Company who is listed on the U.S. Treasury

APPROVAL DRAWING

A drawing of the proposed apparatus will be prepared and provided to the purchaser for approval before construction begins. The Pierce sales representative will also be provided with a copy of the same drawing. The finalized and approved drawing will become part of the contract documents. This drawing will indicate the chassis make and model, location of the lights, siren, horns, compartments, major components, etc.

A "revised" approval drawing of the apparatus will be prepared and submitted by Pierce to the purchaser showing any changes made to the approval drawing.

ELECTRICAL WIRING DIAGRAMS

Two (2) electrical wiring diagrams, prepared for the model of chassis and body, will be provided.

ENFORCER CHASSIS

The Pierce Enforcer™ is the custom chassis developed exclusively for the fire service. Chassis provided will be a new, tilt-type custom fire apparatus. The chassis will be manufactured in the apparatus body builder's facility eliminating any split responsibility. The chassis will be designed and manufactured for heavy-duty service, with adequate strength, capacity for the intended load to be sustained, and the type of service required. The chassis will be the manufacturer's first line tilt cab.

WHEELBASE

The wheelbase of the vehicle will be 187.50.

GVW RATING

The gross vehicle weight rating will be 46,500.

FRAME

The chassis frame will be built with two (2) steel channels bolted to five (5) cross members or more, depending on other options of the apparatus. The side rails will be heat-treated steel measuring 10.25" x 3.50" x 0.375".

Each rail will have a section modulus of 16.00 cubic inches, yield strength of 120,000 psi, and a resisting bending moment (rbm) of 1,921,069 inch-pounds.

FRONT NON DRIVE AXLE

The Oshkosh TAK-4® front axle will be of the independent suspension design with a ground rating of 19,500 lb.

Upper and lower control arms will be used on each side of the axle. Upper control arm castings will be made of 100,000-psi yield strength 8630 steel and the lower control arm casting will be made of 55,000-psi yield ductile iron.

The center cross members and side plates will be constructed out of 80,000-psi yield strength steel.

Each control arm will be mounted to the center section using elastomer bushings. These rubber bushings will rotate on low friction plain bearings and be lubricated for life. Each bushing will also have a flange end to absorb longitudinal impact loads, reducing noise and vibrations.

FRONT TIRES

Front tires will be Goodyear® 315/80R22.50 radials, 20 ply G289 WHA tread, rated for 20,400 lb maximum axle load and 68 mph maximum speed.

The tires will be mounted on Alcoa 22.50" x 9.00" polished aluminum disc wheels with a ten (10) stud, 11.25" bolt circle.

REAR AXLE

The rear axle will be a Meritor™, Model RS-26-185, with a capacity of 27,000 lb.

TOP SPEED OF VEHICLE

A rear axle ratio will be furnished to allow the vehicle to reach a top speed of 68 mph.

REAR SUSPENSION

The rear suspension will be Standens, semi-elliptical, 3.00" wide x 53.00" long, 12-leaf pack with a ground rating of 27,000 lb. The spring hangers will be castings.

The two (2) top leaves will wrap the forward spring hanger pin, and the rear of the spring will be a slipper style end that will ride in a rear slipper hanger. To reduce bending stress due to acceleration and braking, the front eye will be a berlin eye that will place the front spring pin in the horizontal plane within the main leaf.

A steel encased rubber bushing will be used in the spring eye. The steel encased rubber bushing will be maintenance free and require no lubrication.

SHOCK ABSORBERS

To provide a smoother ride, the rear axle will be furnished with heavy-duty Monroe Magnum 70 telescoping shock absorbers.

REAR OIL SEALS

Oil seals will be provided on the rear axle(s).

The rear suspension will be provided with an auxiliary spring package.

REAR TIRES

Rear tires will be four (4) Goodyear® 12R22.50 radials, 16 ply all season G622 RSD tread, rated for 27,120 lb maximum axle load and 75 mph maximum speed.

The tires will be mounted on Alcoa 22.50" x 8.25" polished aluminum disc wheels with a ten (10) stud 11.25" bolt circle.

TIRE BALANCE

All tires will be balanced with Counteract balancing beads. The beads will be inserted into the tire and eliminate the need for wheel weights.

The front brakes will be Knorr/Bendix disc type with a 17.00" ventilated rotor for improved stopping distance.

The brake system will be certified, third party inspected, for improved stopping distance.

The rear brakes will be Meritor™ 16.50" x 7.00" cam operated with automatic slack adjusters. Dust shields will be provided.

BRAKE SYSTEM AIR COMPRESSOR

The air compressor will be a Cummins/WABCO with 18.7 cubic feet per minute output.

BRAKE SYSTEM

The brake system will include:

- Brake treadle valve
- Heated automatic moisture ejector on air dryer
- Total air system minimum capacity of 4,272 cubic inches
- Two (2) air pressure gauges with a red warning light and an audible alarm, that activates when air pressure falls below 60 psi
- Spring set parking brake system
- Parking brake operated by a push-pull style control valve
- A parking "brake on" indicator light on instrument panel
- Park brake relay/inversion and anti-compounding valve, in conjunction with a double check valve system, with an automatic spring brake application at 40 psi
- A pressure protection valve to prevent all air operated accessories from drawing air from the air system when the system pressure drops below 80 psi (550 kPa)
- 1/4 turn drain valves on each air tank

The air tank will be primed and painted to meet a minimum 750 hour salt spray test.

To reduce the effects of corrosion, the air tank will be mounted with stainless steel brackets.

BRAKE SYSTEM AIR DRYER

The air dryer will be a Bendix AD-IP, with coalescing filter and heater.

BRAKE LINES

Color-coded nylon brake lines will be provided. The lines will be wrapped in a heat protective loom in the chassis areas that are subject to excessive heat.

AIR INLET/OUTLET

One (1) air inlet/outlet will be installed with the female coupling located on the driver side pump panel. This system will tie into the "wet" tank of the brake system and include a check valve in the inlet line and an 85 psi pressure protection valve in the outlet line. The air outlet will be controlled by a needle valve.

A mating male fitting will be provided with the loose equipment.

HIGH IDLE

A high idle switch will be provided, inside the cab, on the instrument panel, that will automatically maintain a preset engine rpm. A switch will be installed, at the cab instrument panel, for activation/deactivation.

The high idle will be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light will be provided, adjacent to the switch. The light will illuminate when the above conditions are met. The light will be labeled "OK to Engage High Idle."

ENGINE BRAKE

A Jacobs® engine brake is to be installed with the controls located on the instrument panel within easy reach of the driver.

The driver will be able to turn the engine brake system on/off and have a high, medium and low setting.

The engine brake will activate when the system is on and the throttle is released.

The high setting of the brake application will activate and work simultaneously with the variable geometry turbo (VGT) provided on the engine.

The engine brake will be installed in such a manner that when the engine brake is slowing the vehicle the brake lights are activated.

The ABS system will automatically disengage the auxiliary braking device, when required.

CLUTCH FAN

A fan clutch will be provided. The fan clutch will be automatic when the pump transmission is in "Road" position, and constantly engaged when in "Pump" position.

FLOOR MOUNT, ACCELERATOR PEDAL

There will be a standard automotive style floor mounted accelerator pedal hinged and bolted to the floor of the cab in place of the standard suspended accelerator pedal.

ENGINE AIR INTAKE

The engine air intake will be located above the engine cooling package. It will draw fresh air from the front of the apparatus through the radiator grille.

The ember separator is designed to prevent road dirt and recirculating hot air from entering the engine.

The ember separator will be easily accessible by tilting the cab.

EXHAUST SYSTEM

The exhaust system will be stainless steel from the turbo to the engine's aftertreatment device, and will be 4.00" in diameter. The exhaust system will include a single module aftertreatment device to meet current EPA standards. An insulation wrap will be provided on all exhaust pipes between the turbo and aftertreatment device to minimize the heat loss to the aftertreatment device. The exhaust will terminate horizontally ahead of the right side rear wheels. A tailpipe diffuser will be provided to reduce

A fill inlet will be located on the left hand side of the body and is covered with a hinged, spring loaded, stainless steel door that is marked "Ultra Low Sulfur - Diesel Fuel Only."

A 0.50" diameter vent will be installed from tank top to just below fuel fill inlet.

The fuel tank will meet all FHWA 393.67 requirements including a fill capacity of 95 percent of tank volume.

All fuel lines will be provided as recommended by the engine manufacturer.

DIESEL EXHAUST FLUID TANK

An 8.0 gallon diesel exhaust fluid (DEF) tank will be provided and mounted in the driver's side body rearward of the rear axle.

A 0.50" drain plug will be provided in a low point of the tank for drainage.

A fill inlet will be provided and marked "Diesel Exhaust Fluid Only". The fill inlet will be located adjacent to the engine fuel inlet behind a triple, painted door on the left side of the vehicle. There will be a South Co. C2 non locking latch provided.

The tank will meet the engine manufacturers requirement for 10 percent expansion space in the event of tank freezing.

The tank will include an integrated heater unit that utilizes engine coolant to thaw the DEF in the event of freezing.

FUEL SHUTOFF

A shutoff valve will be installed in the fuel line, near the filter.

FUEL COOLER

An air to fuel cooler will be installed in the engine fuel return line.

TRANSMISSION

An Allison 5th generation, Model EVS 3000P, electronic torque converting automatic transmission will be provided.

The transmission will be equipped with prognostics to monitor oil life, filter life, and transmission health. A wrench icon on the shift selector's digital display will indicate when service is due.

Two (2) PTO openings will be located on both sides of converter housing (positions 4 o'clock and 8 o'clock) as viewed from the rear.

A transmission temperature gauge with red light and audible alarm will be installed on the cab dash.

TRANSMISSION SHIFTER

A five (5)-speed push button shift module will be mounted to right of driver on console. Shift position indicator will be indirectly lit for after dark operation.

The transmission ratio will be:

The third row of text will be: RESCUE

BUMPER

A one (1)-piece bumper manufactured from 0.25" formed steel with a 0.38" bend radius will be provided. The bumper will be a minimum of 10.00" high with a 1.50" top and bottom flange, and will extend 19.00" from the face of the cab. The bumper will be 95.28" wide with 45 degree corners and side plates. The bumper will be metal finished and painted job color.

To provide adequate support strength, the bumper will be mounted directly to the front of the C channel frame. The frame will be a bolted modular extension frame constructed of 50,000 psi tensile steel.

Gravel Pan

A gravel pan, constructed of bright aluminum treadplate, will be furnished between the bumper and the cab face. The pan will be properly supported from the underside to prevent flexing and vibration.

CENTER HOSE TRAY

A hose tray, constructed of aluminum, will be placed in the center of the bumper extension.

The tray will have a capacity of 125' of 1.75" double jacket cotton-polyester hose.

Black rubber grating will be provided at the bottom of the tray. Drain holes are also provided.

Center Hose Tray Cover

A bright aluminum treadplate cover will be provided over the center hose tray.

The cover will be "notched" allowing the hose to be pre connected to hose connection.

The cover will be attached with a stainless steel hinge.

A D-ring latch will secure the cover in the closed position and a pneumatic stay arm will hold the cover in the open position. The arm will be LEFT SIDE.

TOW HOOKS

Two (2) chromed steel tow hooks will be installed under the bumper and attached to the front frame members. The tow hooks will be designed and positioned to allow up to a 6,000 lb straight horizontal pull in line with the centerline of the vehicle. The tow hooks will not be used for lifting of the apparatus.

HOSE TRAY TRIM

There shall be one (1) bumper hose tray(s), located FRONT OF CENTER BUMPER HOSE TRAY that shall be trimmed around the top edge with round aluminum rod. The aluminum rod shall be carefully fitted and welded into place.

FRONT BUMPER LINE-X COATING

Protective black Line-X® coating will be provided on the outside exterior of the top front bumper flange. It will not be sprayed on the underside of the flange.

The lining will be properly installed by an authorized Line-X dealer.

The crew cab will be a totally enclosed design with the interior area completely open to improve visibility and verbal communication between the occupants.

The cab will be a full tilt cab style.

A 3-point cab mount system with rubber isolators will improve ride quality by isolating chassis vibrations from the cab.

CAB ROOF DRIP RAIL

For enhanced protection from inclement weather, a drip rail will be furnished on the sides of the cab. The drip rail will be painted to match the cab roof, and bonded to the sides of the cab. The drip rail will extend the full length of the cab roof.

INTERIOR CAB INSULATION

The cab will include 1.00" insulation in the ceiling, 1.50" insulation in the side walls, and 2.00" insulation in the rear wall to maximize acoustic absorption and thermal insulation.

FENDER LINERS

Full circular inner fender liners in the wheel wells will be provided.

PANORAMIC WINDSHIELD

A one (1)-piece safety glass windshield will be provided with over 2,775 square inches of clear viewing area. The windshield will be full width and will provide the occupants with a panoramic view. The windshield will consist of three (3) layers: outer light, middle safety laminate, and inner light. The outer light layer will provide superior chip resistance. The middle safety laminate layer will prevent the windshield glass pieces from detaching in the event of breakage. The inner light will provide yet another chip resistant layer. The cab windshield will be bonded to the aluminum windshield frame using a urethane adhesive. A custom frit pattern will be applied on the outside perimeter of the windshield for a finished automotive appearance.

WINDSHIELD WIPERS

Three (3) electric windshield wipers with washer will be provided that meet FMVSS and SAE requirements.

The washer reservoir will be able to be filled without raising the cab.

ENGINE TUNNEL

Engine hood side walls will be constructed of 0.375" aluminum. The top will be constructed of 0.125" aluminum and will be tapered at the top to allow for more driver and passenger elbow room.

The engine hood will be insulated for protection from heat and sound. The noise insulation keeps the dBA level within the limits stated in the current NFPA 1901 standards.

The engine tunnel will be no higher than 17.00" off the crew cab floor.

INTERIOR CREW CAB REAR WALL ADJUSTABLE SEATING (PATENT PENDING)

The interior rear wall of the crew cab will have mounting holes every 2.75" to allow for adjustability of the forward facing crew cab seating along the rear wall. Seats will be adjustable with use of simple

MIRRORS

One (1) Ramco, Model 6001-PCHR, polished aluminum mirror will be mounted on each of the side of the cab corners. The mirrors will be 9.25" wide x 13.50" high, with a convex section. The mirror head will have a highly polished aluminum finish.

The flat glass in each mirror will be heated and adjustable, with remote controls that are convenient to the driver.

The convex section in each mirror will be heated and adjustable, with remote controls that are convenient to the driver.

FRONT CROSS VIEW MIRROR

There will be one (1) 8.00" diameter eyeball mirror provided on the passenger side front corner of the cab. It will be mounted high, above the windshield. The mirror will provide the driver with a view of the front bumper and the front of the truck.

The mirror housing, tubing, clamps and hardware will be constructed of corrosion resistant stainless steel.

Mirror head will be K-10, EB50S-S, 8.00" stainless steel housing with three (3) arms.

A 4.00" riser will be provided between the mirror body and support arm on each side.

DOORS

To enhance entry and egress to the cab, the forward cab door openings will be a minimum of 37.50" wide x 63.37" high. The crew cab doors will be located on the sides of the cab and will be constructed in the same manner as the forward cab doors. The crew cab door openings will be a minimum of 34.30" wide x 73.25" high.

The forward cab and crew cab doors will be constructed of extruded aluminum with a nominal material thickness of 0.093". The exterior door skins will be constructed from 0.090" aluminum.

A customized, vertical, pull-down type door handle will be provided on the exterior of each cab door. The exterior handle will be designed specifically for the fire service to prevent accidental activation, and will provide 4.00" wide x 2.00" deep hand clearance for ease of use with heavy gloved hands.

Each door will also be provided with an interior flush, open style paddle handle that will be readily operable from fore and aft positions, and be designed to prevent accidental activation. The interior handles will provide 4.00" wide x 1.25" deep hand clearance for ease of use with heavy gloved hands.

The cab doors will be provided with both interior (rotary knob) and exterior (keyed) locks exceeding FMVSS standards. The keys will be Model 751. The locks will be capable of activating when the doors are open or closed. The doors will remain locked if locks are activated when the doors are opened, then closed.

A full length, heavy duty, stainless steel, piano-type hinge with a 0.38" pin and 11 gauge leaf will be provided on all cab doors. There will be double automotive-type rubber seals around the perimeter of the door framing and door edges to ensure a weather-tight fit.

In order to ensure exceptional illumination, each light will provide a minimum of 25 foot-candles (fc) covering an entire 15" x 15" square placed ten (10) inches below the light and a minimum of 1.5 fc covering an entire 30" x 30" square at the same ten (10) inch distance below the light.

The lights will be activated when the battery switch is on and the adjacent door is opened.

FENDER CROWNS

Stainless steel fender crowns will be installed at the cab wheel openings.

CREW CAB WINDOWS

One (1) fixed window with tinted glass will be provided on each side of the cab, to the rear of the front cab door. The windows will be sized to enhance light penetration into the cab interior. The windows will measure 18.70" wide x 23.75" high.

ENCLOSURE AROUND NIGHT SCAN

An enclosure will be installed on three sides of the Night Scan light on the cab roof. The back side will be open to prevent water and debris from collecting in the Night Scan area. The enclosure will be constructed out of aluminum and painted to match the cab roof. The sides of the enclosure will be even with the top of the Night Scan light in the stored position and the front will be at a sloped back angle.

WINDSHIELD WASHER FILL NECK LOCATION

The windshield washer fill neck will be located behind the officer side modesty panel. A drop down hinged door with a quarter turn latch will be provided to conceal the fill neck.

This area will be blocked off from the power distribution area next to it to prevent fluid from damaging the electrical components.

CUP HOLDER

There will be four (4) cup holder(s) provided. Each cup holder will have self-adjusting fingers that automatically grip beverage containers of various sizes. A recess in the cup holder will allow it to hold beverage containers with handles.

The cup holder(s) will be located at customer pick-up.

MOUNTING PLATE ON ENGINE TUNNEL

Equipment installation provisions will be installed on the engine tunnel.

A 0.188" smooth aluminum plate will be bolted to the top surface of the engine tunnel. The plate will follow the contour of the engine tunnel and will run the entire length of the engine tunnel. The plate will be spaced off the engine tunnel 1.00" to allow for wire routing below the plate.

The mounting surface will be dual action sander finish.

MOUNTING PLATE(S)

There will be two (2) Floor to top of seat in height and side and back wall for width pegboard mounting plate(s) provided and installed DS Forward Facing Outboard Position, on backwall from DS forward facing seat to side wall and side wall. The plate will be 0.188" thick with 0.203" diameter holes,

Cab Defroster

A 54,000 BTU heater-defroster unit with 690 SCFM of air flow will be provided inside the cab. The heater-defrost will be installed in the forward portion of the cab ceiling. Air outlets will be strategically located in the cab header extrusion per the following:

- One (1) adjustable will be directed towards the left side cab window
- One (1) adjustable will be directed towards the right side cab window
- Six (6) fixed outlets will be directed at the windshield

The defroster will be capable of clearing 98 percent of the windshield and side glass when tested under conditions where the cab has been cold soaked at 0 degrees Fahrenheit for 10 hours, and a 2 ounce per square inch layer of frost/ice has been able to build up on the exterior windshield. The defroster system will meet or exceed SAE J382 requirements.

Cab/Crew Auxiliary Heater

There will be one (1) 31,000 BTU auxiliary heater with 560 SCFM of air flow provided in each outboard rear facing seat risers with a dual scroll blower. An aluminum plenum incorporated into the cab structure used to transfer heat to the forward positions.

Air Conditioning

A condenser will be a 59,644 BTU output that meets and exceeds the performance specification will be mounted on the radiator.

The air conditioning system will be capable of cooling the average cab temperature from 100 degrees Fahrenheit to 75 degrees Fahrenheit at 50 percent relative humidity within 30 minutes. The cooling performance test will be run only after the cab has been heat soaked at 100 degrees Fahrenheit for a minimum of 4 hours.

The evaporator unit will be installed in the rear portion of the cab ceiling over the engine tunnel. The evaporator will include one (1) high performance heating core, one (1) high performance cooling core with (1) plenum directed to the front and one (1) plenum directed to the rear of the cab.

The evaporator unit will have a 52,000 BTU at 690 SCFM rating that meets and exceeds the performance specifications.

Adjustable air outlets will be strategically located on the forward plenum cover per the following:

- Four (4) will be directed towards the seating position on the left side of the cab
- Four (4) will be directed towards the seating position on the right side of the cab

Adjustable air outlets will be strategically located on the evaporator cover per the following:

- Five (5) will be directed towards crew cab area

A high efficiency particulate air (HEPA) filter will be included for the system. Access to the filter cover will be secured with four (4) screws.

The air conditioner refrigerant will be R-134A and will be installed by a certified technician.

The engine oil dipstick will allow for checking only. The transmission dipstick will allow for both checking and filling.

The door will have a rubber seal for thermal and acoustic insulation. One (1) flush latch will be provided on the access door.

CAB SAFETY SYSTEM

The cab will be provided with a safety system designed to protect occupants in the event of a side roll or frontal impact, and will include the following:

- A supplemental restraint system (SRS) sensor will be installed on a structural cab member behind the instrument panel. The SRS sensor will perform real time diagnostics of all critical subsystems and will record sensory inputs immediately before and during a side roll or frontal impact event.
- A slave SRS sensor will be installed in the cab to provide capacity for eight (8) crew cab seating positions.
- A fault-indicating light will be provided on the vehicle's instrument panel allowing the driver to monitor the operational status of the SRS system.
- A driver side front air bag will be mounted in the steering wheel and will be designed to protect the head and upper torso of the occupant, when used in combination with the 3-point seat belt.
- A passenger side knee bolster air bag will be mounted in the modesty panel below the dash panel and will be designed to protect the legs of the occupant, when used in combination with the 3-point seat belt.
- Air curtains will be provided in the outboard bolster of outboard seat backs to provide a cushion between occupant and the cab wall.
- Suspension seats will be provided with devices to retract them to the lowest travel position during a side roll or frontal impact event.
- Seat belts will be provided with pre-tensioners to remove slack from the seat belt during a side roll or frontal impact event.

FRONTAL IMPACT PROTECTION

The SRS system will provide protection during a frontal or oblique impact event. The system will activate when the vehicle decelerates at a predetermined G force known to cause injury to the occupants. The cab and chassis will have been subjected, via third party test facility, to a crash impact during frontal and oblique impact testing. Testing included all major chassis and cab components such as mounting straps for fuel and air tanks, suspension mounts, front suspension components, rear suspensions components, frame rail cross members, engine and transmission and their mounts, pump house and mounts, frame extensions and body mounts. The testing provided configuration specific information used to optimize the timing for firing the safety restraint system. The sensor will activate the pyrotechnic devices when the correct crash algorithm, wave form, is detected.

The SRS system will deploy the following components in the event of a frontal or oblique impact event:

- Driver side front air bag
- Passenger side knee bolster air bag

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt.

The seat will be furnished with a 3-point, shoulder type seat belt.

RADIO COMPARTMENT

A radio compartment will be provided under the officer's seat.

The inside compartment dimensions will be 16.00" wide x 7.50" high x 15.00" deep, with the back of the compartment angled up to match the cab structure.

A drop-down door with a chrome plated lift and turn latch will be provided for access.

The compartment will be constructed of smooth aluminum and painted to match the cab interior.

REAR FACING DRIVER SIDE OUTBOARD SEAT

There will be one (1) rear facing seat provided at the driver side outboard position in the crew cab. For optimal comfort, the seat will be provided with 15.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat back will be an SCBA back style with 5 degree fixed recline angle. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.
- A seat safety system will be included. When activated, this system will pretension the seat belt.

The seat will be furnished with a 3-point, shoulder type seat belt.

REAR FACING PASSENGER SIDE OUTBOARD SEAT

There will be one (1) rear facing seat provided at the passenger side outboard position in the crew cab. For optimal comfort, the seat will be provided with 15.00" deep foam cushions designed with EVC (elastomeric vibration control).

The seat back will be an SCBA back style with 5 degree fixed recline angle. The SCBA cavity will be adjustable from front to rear in 1.00" increments, to accommodate different sized SCBA cylinders. Moving the SCBA cavity will be accomplished by unbolting, relocating, and re-bolting it in the desired location.

The seat will include the following features incorporated into the side roll protection system:

- Side air curtain will be mounted integral to the outboard bolster of the seat back. The air curtain will be covered by a decorative panel when in the stowed position.

The cabinet will be constructed of smooth aluminum, and painted to match the cab interior.

Cabinet Light

There will be one (1) white LED strip light installed on the right side of the interior cabinet door opening and one (1) white LED strip light installed on the left side of the interior cabinet door opening. The lighting will be controlled by an automatic door switch.

SEAT UPHOLSTERY

All seat upholstery will be Endure™ 36 oz black vinyl resistant to oil, grease and mildew. The border stitch shall be red. The cab will have six (6) seating positions.

AIR BOTTLE HOLDERS

All SCBA type seats in the cab will have a "Hands-Free" auto clamp style bracket in its backrest. For efficiency and convenience, the bracket will include an automatic spring clamp that allows the occupant to store the SCBA bottle by simply pushing it into the seat back. For protection of all occupants in the cab, in the event of an accident, the inertial components within the clamp will constrain the SCBA bottle in the seat and will exceed the NFPA standard of 9G.

There will be a quantity of five (5) SCBA brackets.

SEAT EMBROIDERY

The seats in the cab and crew cab will be provided with custom embroidery. The Fire Department will determine what the embroidery will be by providing pictures at the time of order.

The embroidery will be provided on six (6) seats.

STORAGE COMPARTMENT IN CREW CAB

There will be one (1) compartment(s) to enclose the Forward Facing Center Seats Riser forward facing seat riser(s). The enclosure will be made of aluminum and painted to match the cab interior. An aluminum drop down door will be provided on the front of the enclosure to gain access to the compartment. Each door will include flush lift and turn latch.

SEAT BELTS

All cab and tiller cab (if applicable) seating positions will have red seat belts. To provide quick, easy use for occupants wearing bunker gear, the female buckle and seat belt webbing length will meet or exceed the current edition of NFPA 1901 and CAN/ULC - S515 standards.

The 3-point shoulder type seat belts will include height adjustment. This adjustment will optimize the belts effectiveness and comfort for the seated firefighter. The 3-point shoulder type seat belts will be furnished with dual automatic retractors that will provide ease of operation in the normal seating position.

The 3-point shoulder type belts will also include the ReadyReach D-loop assembly to the shoulder belt system. The ReadyReach feature adds an extender arm to the D-loop location placing the D-loop in a closer, easier to reach location.

Any flip up seats will include a 3-point shoulder type belts only.

- Very low volts (11.3 VDC)
 - Red warning indicator on the information center with a steady alarm
 - Amber caution light on gauge assembly
 - Very high volts (16.0 VDC)
 - Red warning indicator on the information center with a steady alarm
 - Amber caution light on gauge assembly
- Engine Tachometer (RPM)
- Speedometer MPH (Major Scale), KM/H (Minor Scale)
- Fuel level gauge (Empty - Full in fractions):
 - Low fuel (1/8 full)
 - Amber caution indicator on the information center with intermittent alarm
 - Amber caution light on gauge assembly
 - Very low fuel (1/32 full)
 - Red caution indicator on the information center with steady alarm
 - Amber caution light on gauge assembly
- Engine Oil pressure Gauge (PSI):
 - Low oil pressure to activate engine warning lights and alarms
 - Red caution indicator on the information center with steady alarm
 - Amber caution light on gauge assembly
- Front Air Pressure Gauges (PSI):
 - Low air pressure to activate warning lights and alarm
 - Red warning indicator on the information center with a steady alarm
 - Amber caution light on gauge assembly
- Rear Air Pressure Gauges (PSI):
 - Low air pressure to activate warning lights and alarm
 - Red warning indicator on the information center with a steady alarm
 - Amber caution light on gauge assembly
- Transmission Oil Temperature Gauge (Fahrenheit):
 - High transmission oil temperature activates warning lights and alarm
 - Amber caution indicator on the information center with intermittent alarm
 - Amber caution light on gauge assembly
- Engine Coolant Temperature Gauge (Fahrenheit):
 - High engine temperature activates an engine warning light and alarms
 - Amber caution indicator on the information center with intermittent alarm
 - Amber caution light on gauge assembly
- Diesel Exhaust Fluid Level Gauge (Empty - Full in fractions):
 - Low fluid (1/8 full)
 - Amber indicator light in gauge dial

All gauges will perform prove out at initial power-up to ensure proper performance.

Audible pulsing tone caution alarm: A pulsing audible tone alarm (chime/chirp) will be provided whenever a caution message is present without a warning message being present.

Alarm silence: Any active audible alarm will be able to be silenced by holding the ignition switch at the top position for three (3) to five (5) seconds. For improved safety, silenced audible alarms will intermittently chirp every 30 seconds until the alarm condition no longer exists. The intermittent chirp will act as a reminder to the operator that a caution or warning condition still exists. Any new warning or caution condition will enable the steady or pulsing tones respectively.

Indicator Lamp and Alarm Prove-Out

A system will be provided which automatically tests telltale indicator lights and alarms located on the cab instrument panel. Telltale indicators and alarms will perform prove-out at initial power-up to ensure proper performance.

Control Switches

For ease of use, the following controls will be provided immediately adjacent to the cab instrument panel within easy reach of the driver. All switches will have backlit labels for low light applications.

Headlight/Parking light switch: A three (3)-position maintained rocker switch will be provided. The first switch position will deactivate all parking and headlights. The second switch position will activate the parking lights. The third switch will activate the headlights.

Panel back lighting intensity control switch: A three (3)-position momentary rocker switch will be provided. Pressing the top half of the switch, "Panel Up" increases the panel back lighting intensity and pressing the bottom half of the switch, "Panel Down" decreases the panel back lighting intensity. Pressing the half or bottom half of the switch several times will allow back lighting intensity to be gradually varied from minimum to maximum intensity level for ease of use.

Ignition switch: A three (3)-position maintained/momentary rocker switch will be provided. The first switch position will turn off and deactivate vehicle ignition. The second switch position will activate vehicle ignition and will perform prove-out on the telltale indicators and alarms for 3 to 5 seconds after the switch is turned on. A green indicator lamp is activated with vehicle ignition. The third momentary position will temporarily silence all active cab alarms. An alarm "chirp" may continue as long as alarm condition exists. Switching ignition to off position will terminate the alarm silence feature and reset function of cab alarm system.

Engine start switch: A two (2)-position momentary rocker switch will be provided. The first switch position is the default switch position. The second switch position will activate the vehicle's engine. The switch actuator is designed to prevent accidental activation.

Hazard switch will be provided on the instrument panel or on the steering column.

Heater, defroster, and optional air conditioning control panel: A control panel with membrane switches will be provided to control heater/defroster temperature and heater, defroster, and air conditioning fan speeds. A green LED status bar will indicate the relative temperature and fan speed settings.

- Diesel particulate filter regeneration switch (where applicable)
- Diesel particulate filter regeneration inhibit switch (where applicable)

Cab LCD Display

A digital four (4)-row by 20-character dot matrix display will be integral to the gauge panel. The display will be capable of showing simple graphical images as well as text. The display will be split into three (3) sections. Each section will have a dedicated function. The upper left section will display the outside ambient temperature.

The upper right section will display the following, along with other configuration specific information:

- Odometer
- Trip mileage
- PTO hours
- Fuel consumption
- Engine hours

The bottom section will display INFO, CAUTION, and WARNING messages. Text messages will automatically activate to describe the cause of an audible caution or warning alarm. The LCD will be capable of displaying multiple text messages should more than one caution or warning condition exist.

AIR RESTRICTION INDICATOR

A high air restriction warning indicator light LCD message with amber warning indicator and audible alarm will be provided.

"DO NOT MOVE APPARATUS" INDICATOR

A flashing red indicator light, located in the driving compartment, will be illuminated automatically per the current NFPA requirements. The light will be labeled "Do Not Move Apparatus If Light Is On."

The same circuit that activates the Do Not Move Apparatus indicator will activate a pulsing alarm when the parking brake is released.

DO NOT MOVE TRUCK MESSAGES

Messages will be displayed on the Command Zone™, color display located within sight of the driver whenever the Do Not Move Truck light is active. The messages will designate the item or items not in the stowed for vehicle travel position (parking brake disengaged).

The following messages will be displayed (where applicable):

- Do Not Move Truck
- DS Cab Door Open (Driver Side Cab Door Open)
- PS Cab Door Open (Passenger's Side Cab Door Open)
- DS Crew Cab Door Open (Driver Side Crew Cab Door Open)
- PS Crew Cab Door Open (Passenger's Side Crew Cab Door Open)
- DS Body Door Open (Driver Side Body Door Open)
- PS Body Door Open (Passenger's Side Body Door Open)
- Rear Body Door Open

SPARE CIRCUIT

There will be two (2) pair of wires, including a positive and a negative, installed on the apparatus.

The above wires will have the following features:

- The positive wire will be connected directly to the battery power.
- The negative wire will be connected to ground.
- Wires will be protected to 2.0 amps at 12 volts DC.
- Power and ground will terminate Officer and Driver Dash Area.
- Termination will be a Blue Sea Systems part number 1016 dual USB charger socket.
- Wires will be sized to 125 percent of the protection.

This circuit(s) may be load managed when the parking brake is applied.

STEREO RADIO

A Jensen, heavy duty AM/FM/CD/Weatherband stereo radio, with front auxiliary input will be installed per switch panel layout . There will be 5.25" speakers installed one (1) pair of 5.25" speakers in the cab and one (1) pair of 5.25" speakers in the crew cab. The antenna will be a roof-mounted rubber antenna located in an open space, on the cab roof .

The following features will be included:

- CD Player with Electronic Skip Protection (ESP)
- Full 7-Channel NOAA Weatherband Tuner with SAME technology
- Built-in Clock
- Audio CD, CD-R, R/W, MP3 CD compatible
- Radio Broadcast Data System Text Display
- Front panel USB input
- Front and Rear Auxiliary Audio Input
- Receives audio (A2DP/AVRCP) from Bluetooth enabled device
- Supports Bluetooth HFP to receive phone calls from BT-enabled phones
- Low battery alert (<10.8Vdc)
- Heavy Duty design with Conformal Coated Circuit Boards for maximum durability under all conditions

INFORMATION CENTER

An information center employing a 7.00" diagonal touch screen color LCD display will be encased in an ABS plastic housing.

The information center will have the following specifications:

- Operate in temperatures from -40 to 185 degrees Fahrenheit
- An Optical Gel will be placed between the LCD and protective lens
- Five weather resistant user interface switches
- Grey with black accents
- Sunlight Readable

- RPM
- Water Level (if equipped)
- Foam Level (if equipped)
- Foam Concentration (if equipped)
- Water Flow Rate (if equipped)
- Water Used (if equipped)
- Active Alarms

Virtual Buttons

There will be four (4) virtual switch panel screens that match the overhead and lower lighting and HVAC switch panels.

Page Screen

The page screen will display the following and allow the user to progress into other screens for further functionality:

- Diagnostics
 - Faults
 - Listed by order of occurrence
 - Allows to sort by system
 - Interlock
 - Throttle Interlocks
 - Pump Interlocks (if equipped)
 - Aerial Interlocks (if equipped)
 - PTO Interlocks (if equipped)
 - Load Manager
 - A list of items to be load managed will be provided. The list will provide a description of the load.
 - The lower the priority numbers the earlier the device will be shed should a low voltage condition occur.
 - The screen will indicate if a load has been shed (disabled) or not shed.
 - "At a glance" color features are utilized on this screen.
 - Systems
 - Command Zone
 - Module type and ID number
 - Module Version
 - Input or output number
 - Circuit number connected to that input or output
 - Status of the input or output
 - Power and Constant Current module diagnostic information
 - Foam (if equipped)
 - Pressure Controller (if equipped)
 - Generator Frequency (if equipped)
 - Live Data

- Silence Alarms - All alarms are silenced
- Timer Screen
- HVAC (if equipped)
- Tire Information (if equipped)
- Ascendant Set Up Confirmation (if equipped)

Button functions and button labels may change with each screen.

COLLISION MITIGATION

There will be a HAAS Alert®, Model HA5 Responder-to-Vehicle (R2V) collision avoidance system provided on the apparatus. The HA5 cellular transponder module will be installed behind the cab windshield, as high and near to the center as practical, to allow clear visibility to the sky. The module dimensions are 5.40" long x 2.70" wide x 1.30" high, and operating temperature range is -40 degree C to 85 degree C.

The transponder will be connected to the vehicle's emergency master circuit and battery direct power and ground.

While responding with emergency lights on, the HA5 transponder sends alert messages via cellular network to motorists in the vicinity of the responding truck that are equipped with the WAZE app.

While on scene with emergency lights on, the HA5 transponder sends road hazard alerts to motorists in the vicinity of the truck that are equipped with the WAZE app.

The HA5 Responder-to-Vehicle (R2V) collision avoidance system will include the transponder and a 5 year cellular plan subscription.

Activation of the HAAS Alert system requires a representative of the customer to accept the End User License Agreement (EULA) via an on-line portal.

VEHICLE DATA RECORDER

There will be a vehicle data recorder (VDR) capable of reading and storing vehicle information provided.

The information stored on the VDR can be downloaded through a USB port mounted in a convenient location determined by cab model. A USB cable can be used to connect the VDR to a laptop to retrieve required information. The program to download the information from the VDR will be available to download on-line.

The vehicle data recorder will be capable of recording the following data via hardwired and/or CAN inputs:

- Vehicle Speed - MPH
- Acceleration - MPH/sec
- Deceleration - MPH/sec
- Engine Speed - RPM
- Engine Throttle Position - % of Full Throttle

RADIO / INTERCOM INTERFACE CABLE

The apparatus manufacturer will supply and install one (1) radio interface cable before delivery of the vehicle.

The radio equipment to be used by the customer will be:

- Motorola High Power , Model number Motorola, Model APX 7500, high power.

WIRELESS CONVERTIBLE, RADIO TRANSMIT ONLY HEADSET

There will be five (5) Firecom™, Model UHW-507 , wireless under helmet style, radio transmit headset(s) provided. A heavy duty, coiled 12 volt charging pigtail with plug will be provided driver, officer, RS rear facing, LS rear facing, center forward facing.

Each headset will feature:

- Noise cancelling electric microphone
- Flexible microphone boom
- Ear seals with 20 dB noise reduction
- Radio Push To Transmit button (Left or Right Side)
- Wireless Bluetooth technology
- Rechargeable battery operates for 24 hours on a full charge
- IP-65 when worn

HEADSET HANGERS

There will be four (4) headset hanger(s) shipped with loose equipment. The hanger(s) will meet NFPA 1901, Section 14.1.11, requirement for equipment mounting.

HEADSET HANGERS

There will be six (6) headset hanger(s) installed driver's seat, officer's seat, driver's side inboard rear facing seat, driver's side outboard forward facing seat and passenger's side outboard forward facing seat. The hanger(s) will meet NFPA 1901, Section 14.1.11, requirement for equipment mounting.

INTERFACE INTERCOM TO AM/FM RADIO

A jumper harness will be installed with a 3.5mm male jack on each end, from the Firecom intercom aux inlet to the AM/FM radio. Auxiliary audio will be mixed with the two-way radio and intercom traffic at exactly one half the strength of the signal in the headsets.

INTERFACE EXTENSION CABLE

There will be one (1) Firecom, 108-0086-00, radio interface extension cable(s) routed to Cable ran to rear officer seat up to 19.00' from the intercom.

EXTERNAL ANTENNA FOR WIRELESS INTERCOM

There will be one (1) Firecom 114-0138-000 Remote Dect7 Antenna, Permanent Mount external antenna installed on the cab roof for use with a wireless intercom system.

distribution centers will be easily accessible. All distribution centers containing fuses, circuit breakers and/or relays will be easily accessible.

Distribution centers located throughout the vehicle will contain battery powered studs for supplying customer installed equipment thus providing a lower cost of ownership.

Circuit protection devices, which conform to SAE standards, will be utilized to protect electrical circuits. All circuit protection devices will be rated per NFPA requirements to prevent wire and component damage when subjected to extreme current overload. General protection circuit breakers will be Type-I automatic reset (continuously resetting). When required, automotive type fuses will be utilized to protect electronic equipment. Control relays and solenoid will have a direct current rating of 125 percent of the maximum current for which the circuit is protected per NFPA.

Solid-State Control System

A solid-state electronics based control system will be utilized to achieve advanced operation and control of the vehicle components. A fully computerized vehicle network will consist of electronic modules located near their point of use to reduce harness lengths and improve reliability. The control system will comply with SAE J1939-11 recommended practices.

The control system will operate as a master-slave system whereas the main control module instructs all other system components. The system will contain patented Mission Critical software that maintains critical vehicle operations in the unlikely event of a main controller error. The system will utilize a Real Time Operating System (RTOS) fully compliant with OSEK/VDX™ specifications providing a lower cost of ownership.

For increased reliability and simplified use the control system modules will include the following attributes:

- Green LED indicator light for module power
- Red LED indicator light for network communication stability status
- Control system self test at activation and continually throughout vehicle operation
- No moving parts due to transistor logic
- Software logic control for NFPA mandated safety interlocks and indicators
- Integrated electrical system load management without additional components
- Integrated electrical load sequencing system without additional components
- Customized control software to the vehicle's configuration
- Factory and field re programmable to accommodate changes to the vehicle's operating parameters
- Complete operating and troubleshooting manuals
- USB connection to the main control module for advanced troubleshooting

To assure long life and operation in a broad range of environmental conditions, the solid-state control system modules will meet the following specifications:

- Module circuit board will meet SAE J771 specifications
- Operating temperature from -40C to +70C

The service and maintenance software will be easy to understand and use and have the ability to view system input/output (I/O) information.

Tech Module With WiFi

An in cab module will provide WiFi wireless interface and data logging capability. The WiFi interface will comply with IEEE 802.11 b/g/n capabilities while communicating at 2.4 Gigahertz. The module will provide an external antenna connection allowing a line of site communication range of up to 300 feet with a roof mounted antenna.

The module will transmit a password protected web page to a WiFi enabled device (i.e. most smart phones, tablets or laptops) allowing two levels of user interaction. The firefighter level will allow vehicle monitoring of the vehicle and firefighting systems on the apparatus. The technician level will allow diagnostic access to inputs and outputs installed on the Command Zone, control and information system.

The data logging capability will record faults from the engine, transmission, ABS and Command Zone, control and information systems as they occur. No other data will be recorded at the time the fault occurs. The data logger will provide up to 2 Gigabytes of data storage.

A USB connection will be provided on the Tech Module. It will provide a means to download data logger information and update software in the device.

Indicator Light and Alarm Prove-Out System

A system will be provided which automatically tests basic indicator lights and alarms located on the cab instrument panel.

Voltage Monitor System

A voltage monitoring system will be provided to indicate the status of the battery system connected to the vehicle's electrical load. The system will provide visual and audible warning when the system voltage is below or above optimum levels.

The alarm will activate if the system falls below 11.8 volts DC for more than two (2) minutes.

Power and Ground Studs

Spare circuits will be provided in the primary distribution center for two-way radio equipment.

The spare circuits will consist of the following:

- One (1) 12-volt DC, 30 amp battery direct spare
- One (1) 12-volt DC ground and un-fused switched battery stud located in or adjacent to the power distribution center

Enhanced Software

The solid-state control system will include the following software enhancements:

All perimeter lights and scene lights (where applicable) will be deactivated when the parking brake is released.

4. Corrosion preventative compound will be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections will require this compound in the plug to prevent corrosion and for easy separation (of the plug).
5. All lights that have their sockets in a weather exposed area will have corrosion preventative compound added to the socket terminal area.
6. All electrical terminals in exposed areas will have silicon (1890) applied completely over the metal portion of the terminal.

All lights and reflectors, required to comply with Federal Motor Vehicle Safety Standard #108, will be furnished. Rear identification lights will be recessed mounted for protection. Lights and wiring mounted in the rear bulkheads will be protected from damage by installing a false bulkhead inside the rear compartments.

An operational test will be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order.

The results of the tests will be recorded and provided to the purchaser at time of delivery.

BATTERY SYSTEM

There will be four (4) 12 volt Exide®, Model 31S950X3W, batteries that include the following features will be provided:

- 950 CCA, cold cranking amps
- 190 amp reserve capacity
- High cycle
- Group 31
- Rating of 3800 CCA at 0 degrees Fahrenheit
- 760 minutes of reserve capacity
- Threaded stainless steel studs

Each battery case will be a black polypropylene material with a vertically ribbed container for increased vibration resistance. The cover will be manifold vented with a central venting location to allow a 45 degree tilt capacity.

The inside of each battery will consist of a "maintenance free" grid construction with poly wrapped separators and a flooded epoxy bottom anchoring for maximum vibration resistance.

BATTERY SYSTEM

There will be a single starting system with an ignition switch and starter button provided and located on the cab instrument panel.

MASTER BATTERY SWITCH

There will be a Kissling, red master battery switch provided within the cab within easy reach of the driver to activate the battery system.

An indicator light will be provided on the instrument panel to notify the driver of the status of the battery system.

ALTERNATOR

A Delco Remy®, Model 55SI, alternator will be provided. It will have a rated output current of 430 amps, as measured by SAE method J56. The alternator will feature an integral regulator and rectifier system that has been tested and qualified to an ambient temperature of 257 degrees Fahrenheit (125 degrees Celsius). The alternator will be connected to the power and ground distribution system with heavy-duty cables sized to carry the full rated alternator output.

RELOCATE REAR COMMAND ZONE POWER DISTRIBUTION

The Command Zone™, power distribution modules at the rear of the truck will be relocated so the bottom of the rear power distribution box is mounted at or above the lowest point of the rear substructure.

PROGRAMMING

Programming will be provided to interlock the crew cab air conditioning unit with the cab locks. The air conditioner will not be able to operate when the cab is in the tilted position.

ELECTRONIC LOAD MANAGER

An electronic load management (ELM) system will be provided that monitors the vehicles 12-volt electrical system, automatically reducing the electrical load in the event of a low voltage condition, and automatically restoring the shed electrical loads when a low voltage condition expires. This ensures the integrity of the electrical system.

For improved reliability and ease of use, the load manager system will be an integral part of the vehicle's solid state control system requiring no additional components to perform load management tasks. Load management systems which require additional components will not be allowed.

The system will include the following features:

- System voltage monitoring.
- A shed load will remain inactive for a minimum of five minutes to prevent the load from cycling on and off.
- Sixteen available electronic load shedding levels.
- Priority levels can be set for individual outputs.
- High Idle to activate before any electric loads are shed and deactivate with the service brake.
 - If enabled:
 - "Load Man Hi-Idle On" will display on the information center.
 - Hi-Idle will not activate until 30 seconds after engine start up.
- Individual switch "on" indicator to flash when the particular load has been shed.
- The information center indicates system voltage.

The information center, where applicable, includes a "Load Manager" screen indicating the following:

- Load managed items list, with priority levels and item condition.
- Individual load managed item condition:
 - ON = not shed
 - SHED = shed

CAB CLEARANCE/MARKER/ID LIGHTS

There will be five (5) amber LED lights provided to indicate the presence and overall width of the vehicle in the following locations:

- Three (3) amber LED identification lights will be installed in the center of the cab on the visor light bracket.
- Two (2) amber LED clearance lights will be installed, one (1) on each outboard side of the cab above the windshield.

FRONT CAB SIDE DIRECTIONAL/MARKER LIGHTS

There will be two (2) Truck-Lite®, Model 19036Y, amber LED lights installed to the outside of the chrome wrap around bezel, one (1) on each side of the cab.

The lights will activate as marker lights with the headlight switch and directional lights with the corresponding directional circuit.

REAR CLEARANCE/MARKER/ID LIGHTING

There will be a three (3) LED light bar used as identification lights located at the rear of the apparatus per the following:

- As close as practical to the vertical centerline
- Centers spaced not less than 6.00" or more than 12.00" apart
- Red in color
- All at the same height

There will be two (2) LED lights installed at the rear of the apparatus used as clearance lights located at the rear of the apparatus per the following:

- To indicate the overall width of the vehicle
- One (1) each side of the vertical centerline
- As near the top as practical
- Red in color
- To be visible from the rear
- All at the same height

There will be two (2) LED lights installed on the side of the apparatus used as marker lights as close to the rear as practical per the following:

- To indicate the overall length of the vehicle
- One (1) each side of the vertical centerline
- As near the top as practical
- Red in color
- To be visible from the side
- All at the same height

PUMP HOUSE PERIMETER LIGHTS

There will be two (2) Amdor, Model AY-LB-12HW020, 350 lumens each, 20.00" LED weatherproof strip lights with brackets provided under the pump panel running boards, one (1) each side.

If the combination of options in the vehicle does not permit clearance for a 20.00" light, a 12.00" version of the Amdor light will be installed.

The lights will be controlled by the same means as the body perimeter lights.

BODY PERIMETER SCENE LIGHTS

There will be two (2) Amdor, Model AY-LB-12HW020, 350 lumens, 20.00" long, white LED's, 12 volt DC lights provided at the rear step area of the body, one (1) each side shining to the rear.

The perimeter scene lights will be activated when the parking brake is applied, the passenger's side directional is activated, activating only the passenger side facing perimeter lights and the left side directional is activated, activating the left side facing perimeter lights with a 5-second delay after directional is deactivated.

STEP LIGHTS

Four (4) white LED step lights will be provided. One (1) step light will be provided on each side, on the front compartment face and two (2) step lights at the rear to illuminate the tailboard.

In order to ensure exceptional illumination, each light will provide a minimum of 25 foot-candles (fc) covering an entire 15.00" x 15.00" square placed 10.00" below the light and a minimum of 1.5 fc covering an entire 30.00" x 30.00" square at the same 10.00" distance below the light.

These step lights will be actuated with the pump panel light switch.

All other steps on the apparatus will be illuminated per the current edition of NFPA 1901.

12 VOLT LIGHTING

There will be two (2) Whelen, Model PCPSM2*, 12 volt surface mounted LED combination spot/flood light(s) located REARWARD ON BODY SIDE SHEET, cab between cab and crew doors. The lights will be mounted with chrome flange(s).

The light(s) selected above will be controlled by the following:

- a switch at the driver's side switch panel and a switch at the passenger's side switch panel
- a switch at the driver's side pump panel
- no additional switch location
- no additional switch location

These light(s) may be load managed when the parking brake is set.

12 VOLT LIGHTING

There will be two (2) Whelen, Model PCPSM2*, 12 volt surface mounted LED combination spot/flood light(s) located REARWARD ON BODY SIDE SHEET, LS CAB BETWEEN CREW AND CAB DOORS . The lights will be mounted with chrome flange(s).

The lights will be controlled by a switch at the driver's side switch panel, by a switch at the passenger's side switch panel, by a switch in a stainless steel cup located at the rear of the apparatus no more than 72.00" from the ground and when the emergency master switch is activated and the transmission is shifted into reverse.

WALKING SURFACE LIGHT

There will be Model FRP, 4" round black 12 volt DC LED floodlight(s) with bolt mount provided to illuminate the entire designated walking surface on top of the body.

The light(s) will be activated when the body step lights are on.

WATER TANK

Booster tank will have a capacity of 1000 gallons and be constructed of polypropylene plastic by United Plastic Fabricating, Incorporated.

Tank joints and seams will be nitrogen welded inside and out.

Tank will be baffled in accordance with NFPA Bulletin 1901 requirements.

Baffles will have vent openings at both the top and bottom to permit movement of air and water between compartments.

Longitudinal partitions will be constructed of .38" polypropylene plastic and will extend from the bottom of the tank through the top cover to allow for positive welding.

Transverse partitions will extend from 4.00" off the bottom of the tank to the underside of the top cover.

All partitions will interlock and will be welded to the tank bottom and sides.

Tank top will be constructed of .50" polypropylene. It will be recessed .38" and will be welded to the tank sides and the longitudinal partitions.

Tank top will be sufficiently supported to keep it rigid during fast filling conditions.

Construction will include 2.00" polypropylene dowels spaced no more than 30.00" apart and welded to the transverse partitions. Two (2) of the dowels will be drilled and tapped (.50" diameter, 13.00" deep) to accommodate lifting eyes.

A sump that will be sized dependent on the tank to pump plumbing will be provided at the bottom of the water tank.

Sump will include a drain plug and the tank outlet.

Tank will be installed in a fabricated cradle assembly constructed of structural steel.

Sufficient crossmembers will be provided to properly support bottom of tank. Crossmembers will be constructed of steel bar channel or rectangular tubing.

The visible seam between the body compartment and the hose bed side sheets will be concealed with a chrome and black vinyl molding.

HOSE BED COVER

A two (2) section hose bed cover, constructed of .125" bright aluminum treadplate will be furnished. The cover will be hinged with full length stainless steel piano hinge. The sides will be slanted down with the center of the cover supported by a stationary modular bridgework support.

The cover will be constructed full width so that they cover the body compartments on both the left and right side.

The cover will be reinforced so that it can support the weight of a man walking on the cover.

The cover is designed with the left cover opening first.

If access to water tank fill tower is blocked by the hose bed cover, then a hinged door will be provided in it so that tank may be filled without raising cover doors.

Chrome grab handles and gas filled cylinders will be provided to assist in opening and closing the cover. A handrail is to be provided at the rear, in the center of the support, to assist in opening the cover.

HOSEBED END FLAP

A pair of black vinyl flaps will be installed on the rear, one for each of the aluminum treadplate hose bed covers. The vinyl flap will be secured to the hose bed cover with quarter turn fasteners.

Each vinyl flap will have (2) nylon tie down straps with seat belt buckles to secure the flaps at their base.

RUNNING BOARDS

Running boards will be fabricated of .125" bright aluminum treadplate.

Each running board will be supported by a welded 2.00" square tubing and channel assembly, which will be bolted to the pump compartment substructure.

Running boards will be 12.75" deep and spaced .50" away from the pump panel.

A splash guard will be provided above the running board treadplate.

TAILBOARD

The tailboard will also be constructed of .125" bright aluminum treadplate and spaced .50" from the body, as well as supported by a structural steel assembly.

The tailboard area will be 16.00" deep.

The exterior side will be flanged down and in for increased rigidity of tailboard structure.

REAR WALL, SMOOTH ALUMINUM/BODY MATERIAL

The rear facing surfaces of the center rear wall will be smooth aluminum.

Front facing compartment walls will be covered with bright aluminum treadplate.

All screws and bolts which protrude into a compartment will have acorn nuts on the ends to prevent injury.

UNDERBODY SUPPORT SYSTEM

Due to the severe loading requirements of this pumper a method of body and compartment support suitable for the intended load will be provided.

The backbone of the support system will be the chassis frame rails which is the strongest component of the chassis and is designed for sustaining maximum loads.

The support system will include .375" thick steel vertical angle supports bolted to the chassis frame rails with .625" diameter bolts.

Attached to the bottom of the steel vertical angles will be horizontal angles, with gussets welded to the vertical members, which extend to the outside edge of the body.

A steel frame will be mounted on the top of these supports to create a floating substructure which will result in a 500 lb equipment support rating per lower compartment.

The floating substructure will be separated from the horizontal members with neoprene elastomer isolators. These isolators will reduce the natural flex stress of the chassis from being transmitted to the body.

Isolators will have a broad load range, proven viability in vehicular applications, be of a fail safe design and allow for all necessary movement in three (3) transitional and rotational modes.

The neoprene isolators will be installed in a modified V three (3)-point mounting pattern to reduce the natural flex of the chassis being transmitted to the body.

AGGRESSIVE WALKING SURFACE

All exterior surfaces designated as stepping, standing, and walking areas will comply with the required average slip resistance of the current NFPA standards.

LOUVERS

Louvers will be stamped into compartment walls to provide the proper airflow inside the body compartments and to prevent water from dripping into the compartment. Where these louvers are provided, they will be formed into the metal and not added to the compartment as a separate plate.

TESTING OF BODY DESIGN

Body structural analysis has been fully tested. Proven engineering and test techniques such as finite element analysis, stress coating and strain gauging have been performed with special attention given to fatigue, life and structural integrity of the cab, body and substructure.

Body will be tested while loaded to its greatest in-service weight.

The criteria used during the testing procedure will include:

A full height, rollup door compartment behind the rear wheels will be provided. The interior dimensions of this compartment will be 47.75" wide x 67.63" high x 25.88" deep in the lower 26.00" of height and 12.00" deep in the remaining upper section of the compartment. The clear door opening will be a minimum of 44.75" wide x 57.88" high.

The interior height of the compartments will be measured from the compartment floor to the ceiling. The spool of the rollup door at the top of the compartment takes up some usable space. The depth of the compartments will be measured from the back wall to the inside of the door frame.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

SIDE COMPARTMENT ROLLUP DOOR(S)

There will be six (6) compartment doors installed on the side compartments. The doors will be double faced, aluminum construction, painted one (1) color to match the lower portion of the body and manufactured by R-O-M Corporation.

The slats will be double wall box frame extrusion. The exterior surface will be flat and the interior surface will be concave to help loose equipment fall to the ground and prevent it from jamming the door.

Between each slat will be a PVC inner seal to prevent metal to metal contact and prevent dirt or moisture from entering the compartments.

A non-locking liftbar to be provided for each roll-up door. The lift bar will be located at the bottom of the door and have latches on the outer extrusion of the door frame. A ledge will be supplied over the lift bar as additional area to aid in closing the door.

Each door will have a 4.00" counter balance to assist in lifting.

A heavy-duty magnetic switch will be used for the control of open compartment door warning lights.

REAR COMPARTMENTATION

A roll-up door compartment above the rear tailboard will be provided.

The interior dimensions of this compartment will be 40.00" wide x 54.13" high x 25.88" deep. The spool of the rollup door at the top of the compartment takes up some usable space. The depth of the compartment will be calculated with the compartment door closed.

A louvered, removable access panel will be furnished on the back wall of the compartment.

The rear compartment will be open into the rear side compartments.

The clear door opening of this compartment will be a minimum of 33.25" wide x 44.38" high.

Closing of the door will not require releasing, unlocking, or unlatching any mechanism and will easily be accomplished with one hand.

between the top of the body panel and the bottom of the hatch compartment. The vertical outboard seam at the center of the compartment will be smooth weld finished and painted. The top of the compartment will be constructed of bright aluminum treadplate.

Two (2) lift-up, bright aluminum treadplate doors will be provided on the top of the compartment. Doors will have lipped edges with a rubber seal for weather resistance. Each door will have a lever handle with a slam style latch. Doors will be hinged on the outboard side and will utilize a gas strut (or rubber covered chain on narrow width doors)

Compartment will drain to an area below the hose bed.

Ribbed rubber matting will be provided on the compartment floor to stop wet equipment from sitting in water pools.

COMPARTMENT LIGHTING

There will be a 42.00" 12 volt DC strip light with white LEDs mounted on the interior, hinged side of each door. The lights will be mounted with mechanical fasteners.

The lights will be activated when the battery switch is on and the door is opened.

MOUNTING TRACKS

There will be five (5) sets of tracks for mounting shelf(s) in LS1, LS3, RS1, RS3 and B1. These tracks will be installed vertically to support the adjustable shelf(s), and will be full height of the compartment. The tracks will be painted to match the compartment interior.

ADJUSTABLE SHELVES

There will be eight (8) shelves with a capacity of 500 lb provided.

The shelf construction will consist of .188" aluminum painted spatter gray with 2.00" sides.

Each shelf will be infinitely adjustable by means of a threaded fastener, which slides in a track.

The shelves will be held in place by .12" thick stamped plated brackets and bolts.

The location(s) will be in RS3 at the transition point, in RS3 in the upper third, in RS1 in the upper third, in LS1 centered between the floor and ceiling, in LS2 centered between the floor and ceiling, in B1 centered between the floor and ceiling, in LS3 in the upper third, in LS1 in the upper third and in LS3 at the depth transition point.

SLIDE-OUT FLOOR MOUNTED TRAY

There will be two (2) floor mounted slide-out tray(s) provided.

Each tray will have 2.00" high sides and a minimum capacity rating of 500 lb in the extended position.

Each tray will be constructed of aluminum painted spatter gray

There will be two undermount-roller bearing type slides rated at 250lb each provided. The pair of slides will have a safety factor rating of 2.

MATTING, FLOOR OF HATCH COMPARTMENT

There will be Turtle Tile compartment matting provided on the floor of the designated hatch compartment(s).

The color of Turtle Tile matting will be black.

The Turtle Tile matting will be provided on the floor of a total of two (2) hatch compartment(s) located HATCH COMPTS.

MATTING, COMPARTMENT FLOOR

Turtle Tile compartment matting will be provided in six (6) compartments on the compartment floor. The locations are, LS1, LS3, RS1,, RS3, BS1.

The Turtle Tile will be black and the leading edge of the matting will include the beveled edge. The beveled edge will be red .

MATTING, COMPARTMENT SHELVING

Turtle Tile compartment matting will be provided in five (5) shelves. The locations are, LS1,LS2, RS1, RS2, AND RS3.

The color of the Turtle Tile will be black. This matting will be .50" thick.

EQUIPMENT MOUNTING

Pac Trac equipment mounting system will be installed on the walls of one (1) compartment(s), LS3.

EQUIPMENT MOUNTING SYSTEM

Pac Trac equipment mounting system will be installed on the back wall of five (5) compartment(s), UPPER LS1, LS2, RS1 UPPER, RS2, UPPER RS3.

PARTITION, TRANSVERSE REAR COMPARTMENT

Two (2) partitions will be bolted in place to separate left and right side rear compartments from the rear tailboard compartment.

RUB RAIL

Bottom edge of the side and rear of the body compartments will be trimmed with a bright aluminum extruded rub rail.

Trim will be 2.12" high with 1.38" flanges turned outward for rigidity.

The rub rails will not be an integral part of the body construction, which allows replacement in the event of damage.

BODY FENDER CROWNS

Polished stainless steel fender crowns will be provided around the rear wheel openings with a dielectric barrier will be provided between the fender crown and the fender sheet metal to prevent corrosion.

The fender crowns will be held in place with stainless steel screws that thread directly into a composite nut and not directly into the parent body sheet metal to eliminate dissimilar metals contact and greatly reduce the chance for corrosion. Rubber welting will be provided between the body and crown.

AIR BOTTLE COMPARTMENT STRAP

A strap will be provided in the air bottle compartment(s) to help contain the bottles when the vehicle is parked on an incline. The strap will wrap around the neck and attach to the wall of the compartment.

AIR BOTTLE STORAGE (TRIPLE)

A quantity of two (2) air bottle compartments designed to hold (3) air bottles up to 7.25" in diameter x 26.00" deep will be provided on the left side forward of the rear wheels and on the right side forward of the rear wheels. A painted stainless steel door with a Southco M1 series 25 push to close latch will be provided to contain the air bottle. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

Inside the compartment, black rubber matting will be provided.

AIR BOTTLE COMPARTMENT STRAP

A strap will be provided in the air bottle compartment(s) to help contain the air bottles when the vehicle is parked on an incline. The strap will wrap around the neck and attach to the wall of the compartment.

EXTENSION LADDER

There will be a 24' two-section aluminum Duo-Safety Series 900-A extension ladder provided.

ROOF LADDER

There will be a 14' aluminum Duo-Safety Series 775-A roof ladder provided.

LADDER STORAGE

The ladders will be stored between the water tank and the right side compartments.

The ladders will extend into the pump compartment just to the rear of the water pump discharges.

The ladder storage area will be enclosed as practical by means of sheet metal to protect the ladders from road dirt. The ladders that extend into the pump house will also be enclosed. A black rubber boot will be provided to enclose the ladders in the gap between the pump house and the body.

Each ladder will be stored vertically in a separate stainless steel storage trough. Each stainless steel trough will be lined with Dura-Surf nylon slides.

An aluminum enclosure will be provided at the rear of the body to properly contain the ladders. This enclosure will extend to the rear of the side body compartments.

The enclosure will also include a vertically hinged smooth aluminum door with a D-handle latch to access the ladders. The door will be hinged on the right side.

FOLDING LADDER

One (1) 10.00' aluminum, Series 585-A, Duo-Safety folding ladder will be installed in a U-shaped trough inside the ladder storage compartment .

PIKE POLE PROVIDED BY FIRE DEPARTMENT

NFPA 901, 2016 edition, Section 5.9.4 requires one (1) 8 ft or longer pike pole mounted in a bracket fastened to the apparatus.

Pump body will be close-grained gray iron, bronze fitted, and horizontally split in two (2) sections for easy removal of the entire impeller shaft assembly (including wear rings).

Pump will be designed for complete servicing from the bottom of the truck, without disturbing the pump setting or apparatus piping.

Pump case halves will be bolted together on a single horizontal face to minimize a chance of leakage and facilitate ease of reassembly. No end flanges will be used.

Discharge manifold of the pump will be cast as an integral part of the pump body assembly and will provide a minimum of three (3) 3.50" openings for flexibility in providing various discharge outlets for maximum efficiency.

The three (3) 3.50" openings will be located as follows: one (1) outlet to the right of the pump, one (1) outlet to the left of the pump, and one (1) outlet directly on top of the discharge manifold.

Impeller shaft will be stainless steel, accurately ground to size. It will be supported at each end by sealed, anti-friction ball bearings for rigid precise support. Impeller will have flame plated hubs assuring maximum pump life and efficiency despite any presence of abrasive matter in the water supply.

Bearings will be protected from water and sediment by suitable stuffing boxes, flinger rings, and oil seals. No special or sleeve type bearings will be used.

Pump will be equipped with a self-adjusting, maintenance-free, mechanical shaft seal.

The mechanical seal will consist of a flat, highly polished, spring fed carbon ring that rotates with the impeller shaft. The carbon ring will press against a highly polished stainless steel stationary ring that is sealed within the pump body.

In addition, a throttling ring will be pressed into the steel chamber cover, providing a very small clearance around the rotating shaft in the event of a mechanical seal failure. The pump performance will not deteriorate, nor will the pump lose prime, while drafting if the seal fails during pump operation.

Wear rings will be bronze and easily replaceable to restore original pump efficiency and eliminate the need to replace the entire pump casing due to wear.

PUMP TRANSMISSION

The pump transmission will be made of a three (3) piece, aluminum, horizontally split casing. Power transfer to pump will be through a high strength Morse HY-VO silent drive chain. By the use of a chain rather than gears, 50% of the sprocket will be accepting or transmitting torque, compared to two (2) or three (3) teeth doing all the work.

Drive shafts will be 2.35" diameter hardened and ground alloy steel and supported by ball bearings. The case will be designed to eliminate the need for water cooling.

PRIMING PUMP

The priming pump will be a Trident Emergency Products compressed air powered, high efficiency, multistage venturi based AirPrime System, conforming to standards outlined in the current edition of NFPA 1901.

All wetted metallic parts of the priming system are to be of brass and stainless steel construction.

One (1) priming control will open the priming valve and start the pump primer.

THERMAL RELIEF VALVE

A Watrous Overheat Protection Manager (OPM) will be included on the pump that monitors pump water temperature and opens to relieve water to cool the pump when the temperature of the pump water exceeds 140 Degrees F (60 C) and a red warning light that is triggered when the water in the pump reaches 180 F (82 C).

The warning light will act as an additional protection device if the temperature in the pump keeps rising after the valve opens. The warning light and audible alarm with a test switch will be mounted on the pump operator panel.

The discharge line will be plumbed to ground.

PUMP MANUALS

There will be a total of two (2) pump manuals provided by the pump manufacturer and furnished with the apparatus. The manuals will be provided by the pump manufacturer in the form of two (2) electronic copies. Each manual will cover pump operation, maintenance, and parts.

PLUMBING, STAINLESS STEEL AND HOSE

All inlet and outlet lines will be plumbed with either stainless steel pipe, flexible polypropylene tubing or synthetic rubber hose reinforced with hi-tensile polyester braid. All hose's will be equipped with brass or stainless steel couplings. All stainless steel hard plumbing will be a minimum of a schedule 10 wall thickness.

Where vibration or chassis flexing may damage or loosen piping or where a coupling is required for servicing, the piping will be equipped with victaulic or rubber couplings.

Plumbing manifold bodies will be ductile cast iron or stainless steel.

All piping lines are to be drained through a master drain valve or will be equipped with individual drain valves. All drain lines will be extended with a hose to drain below the chassis frame.

All water carrying gauge lines will be of flexible polypropylene tubing.

All piping, hose and fittings will have a minimum of a 500 PSI hydrodynamic pressure rating.

FOAM SYSTEM PLUMBING

All piping that is in contact with the foam concentrate or foam/water solution will be stainless steel. The fittings will be stainless steel or brass. Cast iron pump manifolds will be allowed.

ergonomic position for operating the valve without twisting the wrist and provides excellent leverage. The water discharged by the bleeders will be routed below the chassis frame rails.

TANK TO PUMP

The booster tank will be connected to the intake side of the pump with stainless steel piping and a quarter turn 3.00" full flow line valve with the control remotely located at the operator's panel. Tank to pump line will run straight (no elbows) from the pump into the front face of the water tank and angle down into the tank sump. A rubber coupling will be included in this line to prevent damage from vibration or chassis flexing.

A check valve will be provided in the tank to pump supply line to prevent the possibility of "back filling" the water tank.

TANK REFILL

A 1.50" combination tank refill and pump re-circulation line will be provided, using a quarter-turn full flow ball valve controlled from the pump operator's panel.

LEFT SIDE DISCHARGE OUTLETS

There will be One (1) discharge outlet with a 2.50" valve on the left side of the apparatus, terminating with a 2.50" (M) National Standard hose thread adapter.

RIGHT SIDE DISCHARGE OUTLETS

There will be One (1) discharge outlet with a 2.50" valve on the right side of the apparatus, terminating with a 2.50" (M) National Standard hose thread adapter.

LARGE DIAMETER DISCHARGE OUTLET

There will be a 5.00" discharge outlet with a 4.00" Akron valve installed on the right side of the apparatus, terminating with a 5.00" (M) National Standard hose thread adapter. This discharge outlet will be actuated with a handwheel control at the pump operator's control panel.

An indicator will be provided to show when the valve is in the closed position.

FRONT DISCHARGE OUTLET

There will be one (1) 1.50" discharge outlet piped to the front of the apparatus and located on the top of the right side of the front bumper.

Plumbing will consist of 2.00" piping and flexible hose with a 2.00" ball valve with control at the pump operator's panel. A fabricated weldment made of stainless steel pipe will be used in the plumbing where appropriate. The piping will terminate with a 1.50" NST with 90 degree stainless steel swivel.

There will be automatic drains provided at all low points of the piping.

REAR DISCHARGE OUTLET

There will be One (1) discharge outlet piped to the rear of the hose bed, left side, installed so proper clearance is provided for spanner wrenches or adapters. Plumbing will consist of 2.50" piping along with a 2.50" full flow ball valve with the control from the pump operator's panel.

DISCHARGE OUTLET CONTROLS

The discharge outlets will incorporate a quarter-turn ball valve with the control located at the pump operator's panel. The valve operating mechanism will indicate the position of the valve.

If a handwheel control valve is used, the control will be a minimum of a 3.9" diameter stainless steel handwheel with a dial position indicator built in to the center of the handwheel.

Any 3.00 inch or larger discharge valve will be a slow-operating valve in accordance with NFPA 16.7.5.3.

DELUGE OUTLET SPECIAL INSTRUCTIONS

The deluge gun outlet will be located So deck gun is not highnpoint of apparatus .

DELUGE RISER

A 3.00" deluge riser will be installed above the pump in such a manner that a monitor can be mounted and used effectively. Piping will be rigidly braced and installed securely so no movement develops when the line is charged. The riser will be gated and controlled at the pump operator's panel.

Any 3.00 inch or larger discharge valve will be a slow-operating valve in accordance with NFPA 16.7.5.3.

TELESCOPIC PIPING

The deluge riser piping will include an 18.00" Task Force Model XG18 Extend-A-Gun extension.

This extension will be telescopic to allow the deluge gun to be raised 18.00" increasing the range of operation.

A position sensor will be provided on the telescopic piping that will activate the "do not move vehicle" light inside the cab when the monitor is in the raised position.

MONITOR

A Task Force Crossfire Series XFC-42 monitor package will be properly installed on the deluge riser. The monitor package will include a Crossfire monitor with a 10.00" stream shaper and quad stack tips.

A Safe-Tak portable base unit with one (1) 4.00" Storz inlet will be provided.

The monitor will be painted as provided by monitor manufacturer.

NOZZLE

A Task Force Tips Master Stream 1250 M-R nozzle will be provided.

The deluge riser Extend-a-Gun will have provisions for direct mounting a Task Force Tips CrossFire monitor.

CROSSLAY HOSE BEDS

Two (2) crosslays with 1.50" outlets will be provided. Each bed to be capable of carrying 200' of 1.75" double jacketed hose and will be plumbed with 2.00" i.d. pipe and gated with a 2.00" quarter turn ball valve.

Discharge control will be provided at the pump operator's panel. Plumbing to the reel will consist of 1.50" or larger Aeroquip hose, stainless steel pipe and a 1.50" valve.

HOSE REEL BLOWOUT

A hose reel blowout will be furnished to blow out any remaining water from the hose reel. The blowout will be piped from the wet tank of the brake system to the hose reel and will be controlled at the pump operator's panel.

Reel motor will be protected from overload with a circuit breaker rated to match the motor.

An electric rewind control switch will be installed adjacent to the reel.

Booster hose, .75" in diameter and 200' in length, with chrome plated Barway or equal couplings will be provided.

The working pressure of the booster hose will be a minimum of 800 psi.

Capacity of the hose reel will be 200 feet of 1.00" booster hose.

HOSE REEL NOZZLE

There will be One (1) Task Force, model DS 1040 nozzle(s) with bale for booster reel provided.

A manual rewind will be provided for the booster hose reel.

NOZZLE CUP AND BRACKET

A Zico nozzle cup and chrome plated mounting bracket will be provided for storage of the booster reel nozzle.

There will be one (1) provided. The nozzle cup(s) will have a 4-5/8" inside diameter and will be located RS Upper Panel ...exact at pu.

HUSKY 3 FOAM PROPORTIONER

A Pierce Husky® 3 foam proportioning system will be provided. The Husky 3 is an on demand, automatic proportioning, single point, direct injection system suitable for all types of Class A and B foam concentrates, including the high viscosity (6000 cps), alcohol resistant Class B foams. Operation will be based on direct measurement of water flow, and remain consistent within the specified flows and pressures. The system will automatically proportion foam solution at rates from .1 percent to 3.0 percent regardless of variations in water pressure and flow, up to the maximum rated capacity of the foam concentrate pump.

The design of the system will allow operation from draft, hydrant, or relay operation.

SYSTEM CAPACITY

The system will have the ability to deliver the following minimum foam solution flow rates at accuracies that meet or exceed NFPA requirements at a pump rating of 150 psi.

100 gpm @ 3 percent

300 gpm @ 1 percent

A relief system will be provided which is designed to protect the drive system components and prevent over pressuring the foam concentrate pump

The foam concentrate pump will have minimum capacity for 3 gpm with all types of foam concentrates with a viscosity at or below 6000 cps including protein, fluoroprotein, AFFF, FFFP, or AR-AFFF. The system will deliver only the amount of foam concentrate flow required, without recirculating foam back to the storage tank. Recirculating foam concentrate back to the storage tank can cause agitation and premature foaming of the concentrate, which can result in system failure. The foam concentrate pump will be self-priming and have the ability to draw foam concentrate from external supplies such as drums or pails.

EXTERNAL FOAM CONCENTRATE CONNECTION

An external foam pick-up will be provided to enable use of a foam agent that is not stored on the vehicle. The external foam pick-up will be designed to allow continued operation after the on-board foam tank is empty, or the use of foam different than the foam in the foam tank.

PANEL MOUNTED EXTERNAL PICK-UP CONNECTION / VALVE

A bronze three (3)-way valve will be provided. The unit will be mounted to the pump panel. The valve unit will function as the foam system tank to pump valve and external suction valve. The external foam pick-up will be one (1) .75" male connection GHT (garden hose thread) with a cap.

PICK-UP HOSE

A .75" flexible hose with an end for insertion into foam containers will be provided. The hose will be supplied with a .75" female swivel GHT (garden hose thread) swivel connector. The hose will be shipped loose.

DISCHARGES

The foam system will be plumbed to four (4) discharges. The discharges capable of dispensing foam will be Both 1.5" crosslays, 2.5" crosslay, front bumper line.

SYSTEM ELECTRICAL LOAD

The maximum current draw of the electric motor and system will be no more than 55 amperes at 12 VDC.

SINGLE FOAM TANK REFILL

The foam system's proportioning pump will be used to fill the foam tank. This will allow use of the auxiliary foam pick-up to pump the foam from pails or a drum on the ground into the foam tank. A foam shut-off switch will be installed in the fill dome of the tank to shut the system down when the tank is full. The fill operation will be controlled by a mode in the foam system controller. While the proportioner pump is filling the tank, the controller will display a flashing yellow LED to indicate that the tank is filling. When the tank is full, as determined by the float switch in the tank dome, the pump will stop and the controller will shut the yellow LED off. If it attempted to use tank fill and the refill valve and suction valve are in the wrong position(s), then a red LED will illuminate to indicate the improper valve position(s). When the valves are positioned properly, then filling will commence.

IDENTIFICATION TAGS

The identification tag for each valve control will be recessed in the face of the tee handle.

All discharge outlets will have color coded identification tags, with each discharge having its own unique color. Color coding will include the labeling of the outlet and the drain for each corresponding discharge.

All line pressure gauges will be mounted directly above the corresponding discharge control tee handles and recessed within the same chrome plated casting as the rod guide for quick identification. The gauge and rod guide casting will be removable from the face of the pump panel for ease of maintenance. The casting will be color coded to correspond with the discharge identification tag.

All remaining identification tags will be mounted on the pump panel in chrome plated bezels.

The pump panel on the right (passenger's) side will be removable with lift and turn type fasteners.

Trim rings will be installed around all inlets and outlets.

COLOR CODED TAGS

A detailed drawing/chart of the colors used on all of the inlet(s) and outlet(s) will be provided for the customer to review. The customer will be allowed to make changes and/or mark-ups to this approval drawing/chart. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved drawing/chart of the colors will become part of the contract documents.

SPECIAL TEXT/VERBIAGE TAGS

A detailed drawing/chart of the text/verbiage used on all of the inlet(s) and outlet(s) will be provided for the customer to review. The customer will be allowed to make changes and/or mark-ups to this approval drawing/chart. The fire apparatus manufacturer will make revisions (If needed) to the drawing per the customer changes and/or mark-ups as long as the changes are physically possible within a specific product line.

The finalized and signed customer approved drawing/chart of the text/verbiage will become part of the contract documents.

PUMP PANEL CONFIGURATION

The pump panel configuration will be arranged and installed in an organized manner that will provide user-friendly operation.

PUMP AND GAUGE PANEL

The pump and gauge panels will be constructed of aluminum with a black vinyl finish. A polished aluminum trim molding will be provided around each panel.

The right side pump panel will be removable and fastened with swell type fasteners.

Gauge construction will include a Zytel nylon case with adhesive mounting gasket and threaded retaining nut.

Gauges will have a pressure range of 30"-0-400#.

The individual pressure gauge will be installed as close to the outlet control as practical.

This gauge will include a 10 year warranty against leakage, pointer defect, and defective bourdon tube.

WATER LEVEL GAUGE

A Fire Research TankVision Pro model WLA300-A00 water tank indicator gauge will be installed on the pump operators panel. The gauge kit will include an electronic indicator module, a pressure sensor, and a 10' sensor cable. The gauge will show the volume of water in the tank on nine (9) easy to see super bright RGB LEDs. A wide view lens over the LEDs will provide for a viewing angle of 180 degrees. The gauge case will be waterproof, manufactured of Polycarbonate/Nylon material, and have a distinctive blue label.

The program features will be accessed from the front of the indicator module. The program will support self-diagnostics capabilities, self-calibration, six (6) programmable colored light patterns to display tank volume, adjustable brightness control levels and a data link to connect remote indicators. Low water warnings will include flashing LEDs at 1/4 tank and down chasing LEDs when the tank is almost empty.

The gauge will receive an input signal from an electronic pressure sensor. The sensor will be mounted from the outside of the water tank near the bottom. No probe will be placed on the interior of the tank. Wiring will be weather resistant and have automotive type plug-in connectors.

ADDITIONAL WATER LEVEL GAUGE

There will be two (2) additional Fire Research MaxVision model WLA280-A00 water tank remote indicators provided and installed RS and LS Cab behind crew cab doors. The indicators will show the volume of water in the tank on Ninety six (96) easy to see super bright Tri-color LEDs. The indicator case will be waterproof, manufactured of Polycarbonate material with an integrated lens.

The remote indicator will indicate the level as a single color in Red for 25% or less, Amber color for up to 50% volume, Blue color for up to 75% volume and Green color for up to 100% volume. When the level reaches 25%, the red LEDs will begin flashing. When the level is empty, the red LEDs will scroll in a down-chasing motion and then flash three times.

The flash rate will be determined by the main water tank sensor.

It will have the program capability to adjust the brightness level for day time and night time viewing. The LEDs can also be programmed for different colors.

This module will be activated when the parking brake is applied.

CLASS "A" FOAM LEVEL GAUGE

A Fire Research TankVision Pro model WLA360-A00 cell/tank level indicator kit shall be installed on the pump operators panel. The kit will include an electronic indicator module, a pressure sensor, a 10' sensor cable and a tank vent. The indicator will show the volume of Class "A" foam concentrate in the

This siren to be active when the battery switch is on and that emergency master switch is on.

Electronic siren head will be located in the center console.

The electronic siren will be controlled on the siren head only. No horn button or foot switches will be provided.

SPEAKER

There will be one (1) Whelen®, Model SA315P, black nylon composite, 100-watt, speaker with through bumper mounting brackets and polished stainless steel grille provided. The speaker will be connected to the siren amplifier.

The speaker(s) will be recessed in the center of the front bumper.

AUXILIARY MECHANICAL SIREN

A Federal Q2B® siren will be furnished.

The control solenoid will be powered up after the emergency master switch is activated.

The mechanical siren will be mounted on the bumper deck plate. It will be mounted on the left side. A reinforcement plate will be furnished to support the siren.

The mechanical siren will be actuated by two (2) foot switches, one (1) located on the officer's side and one (1) on the driver's side.

A momentary red switch will be included in switch panel #9 to activate the siren brake.

A momentary rocker switch shall be included in the right side overhead switch panel to activate the siren brake.

There will be a red outline decal around the black rocker switch.

FRONT ZONE UPPER WARNING LIGHTS

There will be one (1) 72.00" Whelen Freedom IV LED lightbar mounted on the cab roof.

The lightbar will include the following:

- One (1) red flashing LED module in the driver's side end position.
- One (1) red flashing LED module in the driver's side front corner position.
- One (1) white flashing LED module in the driver's side first front position.
- One (1) red flashing LED module in the driver's side second front position.
- One (1) red flashing LED module in the driver's side third front position.
- One (1) red flashing LED module in the driver's side fourth front position.
- Open in the driver's side fifth front position.
- Open in the driver's side sixth front position.
- Open in the passenger's side sixth front position.
- Open in the passenger's side fifth front position.
- One (1) red flashing LED module in the passenger's side fourth front position.

- Two (2) lights, one (1) each side above rear wheels. The side rear lights to be red.
- The lights will include a clear lenses.

There will be a switch in the cab on the switch panel to control the lights.

INTERIOR CAB DOOR WARNING LIGHTS

There will be four (4) Whelen®, Model 0S*00FCR, amber LED flashing lights provided, one (1) light located inside of each cab and crew cab door pan, as far to the outside as practical. Each light will be activated by the door jam switch of the associated door. The lights will flash whenever the corresponding door is open.

INTERIOR CAB DOOR WARNING LIGHTS

There will be four (4) Weldon, Model 8401-0000-20, amber 12 volt DC LED flashing strip lights provided.

- One (1) light on the driver's side cab door over the window.
- One (1) light on the passenger's side cab door over the window.
- One (1) light on the passenger's side crew cab door over the window.
- One (1) light on the driver's side crew cab door over the window.

Each light will be activated when the battery switch is on and the adjacent door is opened.

Each light will be installed so the flash pattern directs traffic away from the doors.

SIDE WARNING LIGHTS

There will be four (4) Whelen®, Model WIONSM**, 1.69" high x 5.94" long x 1.13" deep flashing LED warning light(s) with chrome trim located, below side scene lights.

The light(s) to include red LEDs with a clear lens.

The light(s) will be activated with the side warning switch.

White LEDs will be deactivated when the parking brake is applied.

Amber, blue, green or red LEDs may be load managed when the parking brake is applied.

REAR ZONE LOWER LIGHTING

There will be two (2) Whelen®, Model M6*C, LED flashing warning lights located at the rear of the apparatus.

- The driver's side rear light to be red
- The passenger's side rear light to be red

Both lights will include a lens that is clear.

There will be a switch located in the cab on the switch panel to control the lights.

- One (1) bag of chrome, stainless steel, or cadmium plated screws, nuts, bolts and washers, as used in the construction of the unit.

NFPA REQUIRED LOOSE EQUIPMENT PROVIDED BY FIRE DEPARTMENT

The following loose equipment as outlined in NFPA 1901, 2016 edition, section 5.9.3 and 5.9.4 will be provided by the fire department.

- 800 ft (60 m) of 2.50" (65 mm) or larger fire hose.
- 400 ft (120 m) of 1.50" (38 mm), 1.75" (45 mm), or 2.00" (52 mm) fire hose.
- One (1) handline nozzle, 200 gpm (750 L/min) minimum.
- Two (2) handline nozzles, 95 gpm (360 L/min) minimum.
- One (1) smoothbore or combination nozzle with 2.50" shutoff that flows a minimum of 250 gpm.
- One (1) SCBA complying with NFPA 1981 for each assigned seating position, but not fewer than four (4), mounted in brackets fastened to the apparatus or stored in containers supplied by the SCBA manufacturer.
- One (1) spare SCBA cylinder for each SCBA carried, each mounted in a bracket fastened to the apparatus or stored in a specially designed storage space(s).
- One (1) first aid kit.
- Four (4) combination spanner wrenches.
- Two (2) hydrant wrenches.
- One (1) double female 2.50" (65 mm) adapter with National Hose threads.
- One (1) double male 2.50" (65 mm) adapter with National Hose threads.
- One (1) rubber mallet, for use on suction hose connections.
- Two (2) salvage covers each a minimum size of 12 ft x 14 ft (3.7 m x 4.3 m).
- One (1) traffic vest for each seating position, each vest to comply with ANSI/ISEA 207, *Standard for High Visibility Public Safety Vests*, and have a five-point breakaway feature that includes two (2) at the shoulders, two (2) at the sides, and one (1) at the front.
- Five (5) fluorescent orange traffic cones not less than 28.00" (711 mm) in height, each equipped with a 6.00" (152 mm) retro-reflective white band no more than 4.00" (152 mm) from the top of the cone, and an additional 4.00" (102 mm) retro-reflective white band 2.00" (51 mm) below the 6.00" (152 mm) band.
- Five (5) illuminated warning devices such as highway flares, unless the five (5) fluorescent orange traffic cones have illuminating capabilities.
- One (1) automatic external defibrillator (AED).
- Four (4) ladder belts meeting the requirements of NFPA 1983, *Standard on Fire Service Life Safety Rope and System Components* (if equipped with an aerial device).
- If the supply hose carried does not use sexless couplings, an additional double female adapter and double male adapter, sized to fit the supply hose carried, will be carried mounted in brackets fastened to the apparatus.
- If none of the pump intakes are valved, a hose appliance that is equipped with one or more gated intakes with female swivel connection(s) compatible with the supply hose used on one side and a swivel connection with pump intake threads on the other side will be carried. Any intake connection larger than 3.00" (75 mm) will include a pressure relief device that meets the requirements of 16.6.6.

surfaces that will not be painted include; chrome plating, polished stainless steel, anodized aluminum and bright aluminum treadplate.

2. Chemical Cleaning and Pretreatment - All surfaces will be chemically cleaned to remove dirt, oil, grease, and metal oxides to ensure the subsequent coatings bond well. The aluminum surfaces will be properly cleaned and treated using a high pressure, high temperature 4 step Acid Etch process. The steel and stainless surfaces will be properly cleaned and treated using a high temperature 3 step process specifically designed for steel or stainless. The chemical treatment converts the metal surface to a passive condition to help prevent corrosion. A final pure water rinse will be applied to all metal surfaces.
3. Surfacer Primer - The Surfacer Primer will be applied to a chemically treated metal surface to provide a strong corrosion protective basecoat. A minimum thickness of 2 mils of Surfacer Primer is applied to surfaces that require a Critical aesthetic finish. The Surfacer Primer is a two-component high solids urethane that has excellent sanding properties and an extra smooth finish when sanded.
4. Finish Sanding - The Surfacer Primer will be sanded with a fine grit abrasive to achieve an ultra-smooth finish. This sanding process is critical to produce the smooth mirror like finish in the topcoat.
5. Sealer Primer - The Sealer Primer is applied prior to the Basecoat in all areas that have not been previously primed with the Surfacer Primer. The Sealer Primer is a two-component high solids urethane that goes on smooth and provides excellent gloss hold out when topcoated.
6. Basecoat Paint - Two coats of a high performance, two component high solids polyurethane basecoat will be applied. The Basecoat will be applied to a thickness that will achieve the proper color match. The Basecoat will be used in conjunction with a urethane clear coat to provide protection from the environment.
7. Clear Coat - Two (2) coats of Clear Coat will be applied over the Basecoat color. The Clear Coat is a two-component high solids urethane that provides superior gloss and durability to the exterior surfaces. Lap style and roll-up doors will be Clear Coated to match the body. Paint warranty for the roll-up doors will be provided by the roll-up door manufacture.

Each batch of basecoat color is checked for a proper match before painting of the cab and the body. After the cab and body are painted, the color is verified again to make sure that it matches the color standard. Electronic color measuring equipment is used to compare the color sample to the color standard entered into the computer. Color specifications are used to determine the color match. A Delta E reading is used to determine a good color match within each family color.

All removable items such as brackets, compartment doors, door hinges, and trim will be removed and separately if required, to ensure paint behind all mounted items. Body assemblies that cannot be finish painted after assembly will be finish painted before assembly.

Pierce Manufacturing paint finish quality levels for critical areas of the apparatus (cab front and sides, body sides and doors, and boom lettering panels) meet or exceed the Cadillac/General Motors GMW15777 global paint requirements. Orange peel levels meet or exceed the #6 A.C.T. standard in critical areas. These requirements are met in order for the exterior paint finish to be considered acceptable. The Pierce Manufacturing written paint standards will be available upon request.

- Air tanks
- Steel fuel tank
- Castings
- Individual piece parts used in chassis and body assembly

The E-coat process will meet the technical properties shown.

AXLE HUB PAINT

All axle hubs will be painted black #101.

COMPARTMENT INTERIOR FINISH

The interior of the compartments will be dual action finished and not painted.

REFLECTIVE STRIPES

A 10.00" wide reflective stripe, (no spacing between stripes), will be provided across the front of the vehicle and along the sides of the body. The reflective band will consist of:

- 1.00" white Stripe
- 1.00" black Stripe
- 6.00" white Stripe
- 1.00" BLACK Stripe
- 1.00" white Stripe.

The reflective band provided on the cab face will be at the headlight level.

REAR CHEVRON STRIPING

There will be alternating chevron striping located on the rear-facing vertical surface of the apparatus. The rear surface, excluding the rear compartment door, will be covered.

The colors will be red and fluorescent yellow green diamond grade.

Each stripe will be 6.00" in width.

This will meet the requirements of the current edition of NFPA 1901, which states that 50% of the rear surface will be covered with chevron striping.

TOOLBOARD REFLECTIVE STRIPES

There will be ruby red reflective stripes installed on the two (2) toolboard(s) located toolboard in rs2 and ls2.

SLIDE OUT TRAY DIAMOND GRADE CHEVRON STRIPING

A series of alternating red diamond grade and fluorescent yellow green diamond grade reflective stripes will be applied to the front and sides of four (4) slide out tray(s) located Slide Out Trays.

tools Rescue tool tray with safety straps for 3 tools and hydraulic hose box integrated. Strap not included on Ram (Not Needed)

FIRE APPARATUS PARTS MANUAL

There will be one (1) custom parts manual(s) in USB flash drive format for the complete fire apparatus provided.

The manual(s) will contain the following:

- Job number
- Part numbers with full descriptions
- Table of contents
- Parts section sorted in functional groups reflecting a major system, component, or assembly
- Parts section sorted in alphabetical order
- Instructions on how to locate parts

Each manual will be specifically written for the chassis and body model being purchased. It will not be a generic manual for a multitude of different chassis and bodies.

Service Parts Internet Site

The service parts information included in these manuals are also available on the Pierce website. The website offers additional functions and features not contained in this manual, such as digital photographs and line drawings of select items. The website also features electronic search tools to assist in locating parts quickly.

CHASSIS SERVICE MANUALS

There will be one (1) chassis service manuals on USB flash drives containing parts and service information on major components provided with the completed unit.

The manual will contain the following sections:

- Job number
- Table of contents
- Troubleshooting
- Front Axle/Suspension
- Brakes
- Engine
- Tires
- Wheels
- Cab
- Electrical, DC
- Air Systems
- Plumbing
- Appendix

TRANSMISSION WARRANTY

The transmission will have a **five (5) year/unlimited mileage** warranty covering 100 percent parts and labor. The warranty will be provided by Allison Transmission.

Note: The transmission cooler is not covered under any extended warranty you may be getting on your Allison Transmission. Please review your Allison Transmission warranty for coverage limitations.

TRANSMISSION COOLER WARRANTY

The transmission cooler will carry a five (5) year parts and labor warranty (exclusive to the transmission cooler). In addition, a collateral damage warranty will also be in effect for the first three (3) years of the warranty coverage and will not exceed \$10,000 per occurrence. A copy of the warranty certificate will be submitted with the bid package.

WATER TANK WARRANTY

A UPF poly water tank limited warranty certificate, WA0195, is included with this proposal.

TEN (10) YEAR STRUCTURAL INTEGRITY

The Pierce apparatus body limited warranty certificate, WA0009, is included with this proposal.

ROLLUP DOOR MATERIAL AND WORKMANSHIP WARRANTY

A R-O-M Corporation rollup door limited warranty will be provided. The mechanical components of the rollup door will be warranted against defects in material and workmanship for a period of seven (7) years. The door ajar switch will be warranted for a period of three (3) years and all other electrical components will be warranted for a period of one (1) year. A seven (7) year limited warranty will be provided on painted rollup doors.

The limited warranty certificate, WA0206, is included with this proposal.

PUMP WARRANTY

The Waterous pump will be provided with a Seven (7) year material and workmanship limited warranty.

A copy of the warranty certificate will be submitted with the bid package (no exception).

TEN (10) YEAR PUMP PLUMBING WARRANTY

The Pierce apparatus plumbing limited warranty certificate, WA0035, is included with this proposal.

FOAM SYSTEM WARRANTY

The Husky 3 foam system limited warranty certificate, WA0231, is included with this proposal.

TEN (10) YEAR PRO-RATED PAINT AND CORROSION

A Pierce body limited pro-rated paint warranty certificate, WA0057, is included with this proposal.

THREE (3) YEAR MATERIAL AND WORKMANSHIP

The Pierce Goldstar gold leaf lamination limited warranty limited warranty certificate, WA0018, is included with this proposal.

CAB DOOR DURABILITY CERTIFICATION

Robust cab doors help protect occupants. Cab doors will survive a 200,000 cycle door slam test where the slamming force exceeds 20 G's of deceleration. The bidder will certify that the sample doors similar to those provided on the apparatus have been tested and have met these criteria without structural damage, latch malfunction, or significant component wear.

WINDSHIELD WIPER DURABILITY CERTIFICATION

Visibility during inclement weather is essential to safe apparatus performance. Windshield wipers will survive a 3 million cycle durability test in accordance with section 6.2 of SAE J198 *Windshield Wiper Systems - Trucks, Buses and Multipurpose Vehicles*. The bidder will certify that the wiper system design has been tested and that the wiper system has met these criteria.

ELECTRIC WINDOW DURABILITY CERTIFICATION

Cab window roll-up systems can cause maintenance problems if not designed for long service life. The window regulator design will complete 30,000 complete up-down cycles and still function normally when finished. The bidder will certify that sample doors and windows similar to those provided on the apparatus have been tested and have met these criteria without malfunction or significant component wear.

SEAT BELT ANCHOR STRENGTH

Seat belt attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat belt anchor design will withstand 3000 lb of pull on both the lap and shoulder belt in accordance with FMVSS 571.210 Seat Belt Assembly Anchorages. The bidder will certify that each anchor design was pull tested to the required force and met the appropriate criteria.

SEAT MOUNTING STRENGTH

Seat attachment strength is regulated by Federal Motor Vehicle Safety Standards and should be validated through testing. Each seat mounting design will be tested to withstand 20 G's of force in accordance with FMVSS 571.207 Seating Systems. The bidder will certify, at time of delivery, that each seat mount and cab structure design was pull tested to the required force and met the appropriate criteria.

PERFORMANCE CERTIFICATIONS

Cab Air Conditioning

Good cab air conditioning temperature and air flow performance keeps occupants comfortable, reduces humidity, and provides a climate for recuperation while at the scene. The cab air conditioning system will cool the cab from a heat-soaked condition at 100 degrees Fahrenheit to an average of 78 degrees Fahrenheit in 30 minutes. The bidder will certify that a substantially similar cab has been tested and has met these criteria.

Cab Defroster

Visibility during inclement weather is essential to safe apparatus performance. The defroster system will clear the required windshield zones in accordance with SAE J381 Windshield Defrosting Systems Test Procedure And Performance Requirements - Trucks, Buses, And Multipurpose Vehicles. The



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 8.A.

DATE SUBMITTED: January 13, 2021

MEETING DATE: February 1, 2021

FROM: Yesenia Ennis, Assistant HR
Director

DEPARTMENT: HR

DIRECTOR: Veronica Ramirez

Agenda Item: Consideration and action, if any, authorizing City Manager to enter into a contract with South Texas College (STC) to provide training to staff during Pharr University 2021.

Classification: Consent

(* If closed session, City Attorney must review and approve.)

Issue: Training for all staff during Pharr University 2021 on Professionalism in the Workplace and Customer Service.

Fiscal Consideration: \$4.60 per student (585 students guaranteed), Approximately \$3,000 and \$4,000 for all staff

Staff Recommendation: Staff recommends approval.

Alternatives: UTRGV quoting \$15.00/student for 1.5 hour course (Approximately \$9,000)

Exclude Material from Public Packet? No

Reason: N/A

ROUTING:

Yesenia Ennis
Veronica Ramirez
Anali Alanis
Karla Saavedra
Patricia Rigney
City Management Office

Created/Initiated - 1/13/2021
Approved - 1/26/2021
Approved - 1/28/2021
Approved - 1/28/2021
Approved - 1/28/2021
Final Approval - 1/29/2021

CONTRACT TRAINING AGREEMENT
South Texas College

This **Contract Training Agreement** ("Agreement") is made and entered into as of the 18th day of January, 2021 (the "Effective Date") and is by and between **SOUTH TEXAS COLLEGE (STC)**, an Institution of Higher Education authorized by the laws and Constitution of the State of Texas, and **City of Pharr**, a home-rule municipal corporation.

WHEREAS, the City of Pharr requires training and educational services, as more fully described in **Attachment "A,"** and STC has the expertise, resources, personnel, and experience required to provide such services;

WHEREAS, this Agreement is of mutual interest and benefit to STC and the City of Pharr;

NOW, THEREFORE, in consideration of the mutual promises and covenants herein contained, the City of Pharr and STC (sometimes collectively referred to herein as the "Parties") agree as follows:

1. Services and Fees

a. During the term of this Agreement, STC shall provide training services to City of Pharr as set forth in **Attachment "A"** (the "Services") which is incorporated herein by reference. The Services may be modified, reduced or expanded with the advance written consent of the Parties. If there is any conflict between the terms and conditions of the Services described in **Attachment "A"** and those contained in the body of this Agreement, the terms of the Agreement shall control.

b. The City of Pharr shall pay STC for the Services in accordance with the terms and conditions set forth in **Attachment "A."**

2. STC's Responsibilities and Representations

a. STC represents that all persons connected with STC who are directly in charge of providing the Services are duly registered and/or licensed under the laws, rules and regulations of any authority having jurisdiction, if so required by such laws, rules and regulations.

b. STC represents that to the best of its actual knowledge, as a result of providing the Services, there are no conflicts of interest between the City of Pharr and any other person or entity for whom STC is providing or has provided training services. If, during the course of this Agreement, STC becomes aware of facts that constitute or may reasonably lead to a conflict of interest, STC shall promptly notify the City of Pharr.

c. Except as may be expressly set forth in **Attachment "A,"** STC represents that its performance does not depend on the acquisition of rights from any third party and that the

conveyance of any deliverables described as part of the Services will not knowingly infringe on the intellectual property rights of any third party.

~~d.c.~~ STC shall: i) designate an administrator to oversee and administer STC's performance of the Services; ii) provide one or more qualified trainers, training materials and equipment appropriate for the Services; iii) assume full responsibility for complying with the requirements of the U.S. Copyright Act with respect to any training materials provided by STC in connection with providing the Services; iv) ensure that any facilities that will be used for the Services will be open and ready for use on the date(s) and time(s) specified for the Services, if the Services will take place at STC; and v) provide certificates of completion for the participants who complete the training requirements as outlined in the Services.

3. City of Pharr's Responsibilities and Representations

a. The City of Pharr shall: i) designate a contact person to communicate with STC about any specific requirements of the training program for which the Services are being provided and in connection with general planning and coordination; ii) refrain from copying, reproducing, creating derivative works, publishing, or further distributing any training materials provided by STC, unless otherwise permitted by STC; iii) make all required payments to STC within 30 days' of receipt of the invoice; and, iv) pay 10% of the total fee to STC if the City of Pharr cancels the Services within 30 days of the first day on which the Services were to be provided, unless the cancellation is permitted by the terms of this Agreement.

b. The prevailing party in any action to enforce this Agreement shall be entitled to receive reasonable attorneys' fees from the non-prevailing party and any other recovery as authorized by Section 271.153 of the Texas Local Government Code.

4. Default and Termination

a. If a party breaches this Agreement, the other party may, so long as such party has not caused the breach, terminate this Agreement upon ten (10) days' written notice describing the details of the breach. The termination shall, however, not be effective if the breach is fully cured prior to the end of the ten-day period.

b. Either party may, with or without cause, terminate this Agreement at any time upon giving thirty (30) days' advance written notice to the other party. If terminated without cause, neither party shall have liability to other party other than refunding any sums paid by the City of Pharr for any services that were not performed.

~~c.~~ The City of Pharr acknowledges and agrees that by providing the Services, STC is not making any representation or warranty concerning the City of Pharr's future performance or success and that STC is not responsible in any way for the operation of the City of Pharr's business.

~~e.~~ _____

d. Neither party will be liable or responsible to the other for any loss or damage or for any delays or failure to perform due to causes beyond its reasonable control including acts of God, strikes, epidemics, war, riots, flood, fire, sabotage, or any other circumstances of like character.

In the event of delay or interruption in schedule due to circumstances out of the parties' control, the parties agree to reach an agreement to allow for alternate dates and/or means of performing the services in Exhibit "A".

5. Miscellaneous

a. The relationship created by this Agreement shall be that of independent contractor. Nothing in this Agreement shall be read to make the employees or agents of either party an employee or an agent of the other.

b. This Agreement constitutes all representations, oral and written, of the work to be performed, replaces all previous agreements, and constitutes the entire agreement between the Parties; this Agreement may be modified only in writing, signed by each party, after reasonable notice.

c. The Company agrees that STC may use the City of Pharr's name in the promotion of training services.

d. **TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAWS, THE PARTIES VOLUNTARILY WAIVE THEIR RIGHT TO ASSERT SOVEREIGN IMMUNITY FROM SUIT OR LIABILITY IN RESPONSE TO AN ACTION SEEKING ONLY THE REMEDIES FOR ENFORCEMENT OF THIS AGREEMENT. NEITHER PARTY WAIVES IMMUNITIES EXISTING UNDER APPLICABLE LAWS, AND IT IS EXPRESSLY UNDERSTOOD THAT THE WAIVER HERE GRANTED IS A LIMITED AND NOT A GENERAL WAIVER, AND THAT ITS EFFECT IS LIMITED TO SPECIFIC CLAIMS UNDER THIS AGREEMENT.**

e. This Agreement shall inure to the benefit of and be binding upon the respective heirs, executors, successors, representatives, and assigns of the Parties, as the case may be.

f. STC, as part of an institution of higher education and recipient of federal and state funding, is subject to federal and state civil rights laws and regulations prohibiting it from discriminating on the basis of race, ethnicity, gender, creed, age, disability or Veterans status in any program or activity of STC. This Agreement, and the Services offered pursuant to this Agreement, are subject to the provisions of those laws and regulations, and the City of Pharr agrees that it will cooperate in any civil rights investigation conducted by STC or any external agency regarding the Services or STC's performance of this Agreement.

g. This Agreement shall be governed by and construed in accordance with the laws of the state of Texas. Each party submits to the exclusive jurisdiction of the courts located in Hidalgo County, Texas for the purpose of any action or proceeding brought by either of them in connection with this Agreement or any alleged breach thereof.

h. Neither party shall assign its rights or obligations hereunder without the prior written consent of the other party. STC shall not subcontract, either directly or indirectly, any of its responsibilities hereunder without the prior written consent of the City of Pharr.

IN WITNESS WHEREOF, South Texas College and the City of Pharr have executed and delivered this Agreement as of the date first above written.

(STC) SOUTH TEXAS COLLEGE:

By: _____
Dr. David C. Plummer
Interim President

By: _____
Carlos Margo
Associate Dean for ITED

City of Pharr:

By: _____
Name: Edward Wylie
Title: Interim City Manager

Type of Funding: Federal *xi* ; CFDA *xi* ; State *xi* ; Local *x* ; Private

Upon the execution of this Agreement, please return both copies in the envelope provided for your convenience. When all signatures are obtained, one fully executed original will be returned for your records. Please mail to:

South Texas College
Institute for Advance Manufacturing
3900 W. Military Hwy. Building E.
McAllen, Texas 78503

ATTACHMENT A
SERVICES AND COSTS

Cost of Training for City of Pharr employees located in Pharr, TX:

Program Title:	Professionalism in the Workplace and Customer Service
Course No./Name:	1C3 8033
Total No. of Hours:	1 hour
Administrator Responsible:	Leonel Garcia
Company Contact:	Yesenia Ennis
Company Address:	118 S. Cage Blvd Pharr, TX 78577 956-402-2600
Dates:	February 15-19, 2021
Time:	1 hr. AM or PM sessions
Program Length:	Monday - Friday
Location:	City of Pharr
Minimum Participants:	65 students per session (585 total)

Commented [PAR1]: Is there a curriculum or summary of what the program will consist of?

Commented [TN2R2]: I don't know, but if there is, I agree that it should be attached or incorporated by reference which I assume is the reason for your question.

Commented [LOG3R2]: One will be attached.

Tuition Breakdown:

Session 1:	\$4.00 x 1 hr. x 65 students = \$260.00
Session 2:	\$4.00 x 1 hr. x 65 students = \$260.00
Session 3:	\$4.00 x 1 hr. x 65 students = \$260.00
Session 4:	\$4.00 x 1 hr. x 65 students = \$260.00
Session 5:	\$4.00 x 1 hr. x 65 students = \$260.00
Session 6:	\$4.00 x 1 hr. x 65 students = \$260.00
Session 7:	\$4.00 x 1 hr. x 65 students = \$260.00
Session 8:	\$4.00 x 1 hr. x 65 students = \$260.00
Session 9:	\$4.00 x 1 hr. x 65 students = \$260.00

Processing Fee: \$2,340.00 x 15% = \$351.00

Total: \$2,691.00

(Note: additional participants will be charged at the rate of \$4.00/participant + 15% processing fee) The minimum cost for 585 or fewer participants will remain at \$2,691.00 as the Recovery of Cost in order for STC to complete training.

Course Outline

The Real Business R & R... Respect and Responsibility

- Profession Respect in Communication
- Respect in Attitude
- Customer Service Respect

- Ownership in the work environment
- Duty to perform a job or task
- Customer Service Responsibility



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 8.B.

DATE SUBMITTED: January 28, 2021

MEETING DATE: February 1, 2021

FROM: Omar Anzaldua, City Engineer

DEPARTMENT: Engineering

DIRECTOR: Omar Anzaldua

Agenda Item: Consideration and action, if any, on award of contract for the City of Pharr Various Parking Lot Improvements Project

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: On January 19, 2021, formal bids were opened, with five (5) respondents to the solicitation. The bids received ranged from \$616,151.50 to \$1,162,058.44.

(Project No. 2021-01-528-C001-374)

Fiscal Consideration: Contract Award \$616,151.50

Staff Recommendation: Staff recommends award of contract for the City of Pharr Various Parking Lot Improvements Project to the lowest responsive bidder, RDH Site & Concrete, LLC from Palmview, TX, in the amount of \$450,618 Base Bid and \$165,533.50 for Alternate Bid for a total amount of \$616,151.50

Alternatives: N/A

Exclude Material from Public Packet? No

Reason: N/A

ROUTING:

Omar Anzaldua
Omar Anzaldua
Ignacio Amezcua

Patricia Rigney

Karla Saavedra

City Management Office

Created/Initiated - 1/28/2021

Approved - 1/28/2021

Approved - 1/28/2021

Approved - 1/28/2021

Approved - 1/28/2021

Final Approval - 1/29/2021



BID OPENING: JANUARY 19, 2021 AT 3:00 P.M.
LOCATION: City Commission Room
PROJECT NO.: 2021-01-528-C001-374
CITY OF PHARR VARIOUS PARKING LOT IMPROVEMENTS

PARTICIPATING VENDORS:				RDH SITE & CONCRETE, LLC	TEXAS CORDIA CONSTRUCTION, LLC	GRANCHELLI CONSTRUCTION, LLC	NM CONTRACTING, LLC	RHYNER CONSTRUCTION SERVICES, INC.	NON- RESPONSIVE MATA'S PAVING COMPANY	NON- RESPONSIVE VALLEY STRIPING CORP
ITEM	DESCRIPTION	UOM	APPX. QTY	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
CITY HALL OVERFLOW PARKING LOT										
1	REMOVE AND PROPERLY DISPOSE OF CONCRETE SIDEWALK/RAMP MATERIAL.	SY	203	\$2,030.00	\$1,624.00	\$4,187.89	\$2,159.92	\$5,684.00	\$3,248.00	
2	REINFORCED 5' CONCRETE SIDEWALK (3,000 PSI)(4"). ALL COMPLETE IN PLACE.	SY	215	\$9,030.00	\$7,525.00	\$14,574.85	\$11,919.60	\$23,865.00	\$9,675.00	
3	REINFORCED CONCRETE CURB RAMP (3,000 PSI) WITH TRUNCATED DOMES. ALL COMPLETE IN PLACE.	EA	2	\$1,700.00	\$2,600.00	\$1,703.00	\$4,256.00	\$5,600.00	\$2,000.00	
4	REINFORCED CONCRETE DRIVEWAY/APRON (4,000 PSI)(6"). ALL COMPLETE IN PLACE.	SY	108	\$5,940.00	\$7,128.00	\$7,958.52	\$8,709.12	\$11,988.00	\$7,020.00	
5	TRUEGRID PRO PLUS. INCLUDE PLACEMENT.	SF	29,883	\$44,824.50	\$89,649.00	\$50,801.10	\$115,348.38	\$104,590.50	\$118,037.85	
6	TRUEGRID PRO PLUS DECK. INCLUDE PLACEMENT.	SF	288	\$432.00	\$2,592.00	\$2,736.00	\$1,111.68	\$1,296.00	\$2,160.00	
7	NO. 57 STONE. INCLUDE DELIVERY AND PLACEMENT.	CY	1107	\$43,173.00	\$69,741.00	\$75,408.84	\$57,564.00	\$45,387.00	\$47,601.00	
8	TOP SOIL (2"). INCLUDE DELIVERY AND PLACEMENT.	CY	183	\$4,575.00	\$6,222.00	\$10,068.66	\$3,689.28	\$8,784.00	\$4,575.00	
9	CONCRETE WHEEL STOP. INCLUDE DELIVERY AND PLACEMENT.	EA	37	\$7,400.00	\$1,110.00	\$2,181.15	\$1,864.80	\$1,073.00	\$6,364.00	\$1,665.00
10	SILT FENCE	LF	914	\$1,599.50	\$3,656.00	\$3,592.02	\$4,350.64	\$3,199.00	\$4,570.00	
11	TREE PROTECTION	LS	1	\$800.00	\$350.00	\$3,930.00	\$56.00	\$210.00	\$3,000.00	
12	CLEARING AND GRUBBING	LS	1	\$7,500.00	\$10,000.00	\$6,550.00	\$4,928.00	\$27,356.15	\$1,000.00	
13	STABILIZED CONSTRUCTION ENTRANCE.	LS	1	\$1,500.00	\$1,850.00	\$1,965.00	\$2,576.00	\$2,300.00	\$800.00	
14	EARTHWORK (EXCAVATION AND DISPOSAL OF 12" OF IN-SITU MATERIAL TO ACCOMMODATE 10" OF NO. 57 STONE AND 2" OF TRUEGRID)	SY	3320	\$18,260.00	\$13,280.00	\$24,036.80	\$28,054.00	\$59,760.00	\$19,920.00	
DR. LONG PARK PARKING LOT EXPANSION										
15	REMOVE AND PROPERLY DISPOSE OF CONCRETE SIDEWALK/RAMP MATERIAL.	SY	31	\$310.00	\$775.00	\$639.53	\$329.84	\$868.00	\$930.00	
16	REMOVE AND PROPERLY DISPOSE OF CONCRETE CURB AND GUTTER MATERIAL.	LF	185	\$2,775.00	\$1,295.00	\$1,454.10	\$880.60	\$2,220.00	\$925.00	
17	MILLING (1") INCLUDE REMOVAL AND PROPER DISPOSAL OF MATERIALS.	SY	110	\$2,750.00	\$990.00	\$3,890.70	\$5,051.20	\$3,080.00	\$1,540.00	
18	REINFORCED 5' CONCRETE SIDEWALK (3,000 PSI)(4"). ALL COMPLETE IN PLACE.	SY	117	\$6,142.50	\$4,329.00	\$7,931.43	\$6,486.48	\$12,987.00	\$5,265.00	
19	REINFORCED 18" CONCRETE VALLEY GUTTER 4,000 PSI. ALL COMPLETE INPLACE.	LF	84	\$1,260.00	\$3,024.00	\$1,265.88	\$2,069.76	\$6,216.00	\$1,260.00	
20	REINFORCED 24" CONCRETE CURB AND GUTTER (3,000 PSI). ALL COMPLETE IN PLACE.	LF	485	\$6,062.50	\$14,065.00	\$7,308.95	\$13,036.80	\$10,185.00	\$8,730.00	
21	REINFORCED CONCRETE DRIVEWAY/APRON (4,000 PSI)(6"). ALL COMPLETE IN PLACE.	SY	110	\$6,930.00	\$7,370.00	\$8,105.90	\$8,870.40	\$12,100.00	\$1,320.00	
22	CALICHE (8") (TY F GR III)	SY	964	\$20,244.00	\$9,640.00	\$15,154.08	\$6,217.80	\$9,640.00	\$7,712.00	
23	SUBGRADE PREP (10") (3% LIME)	SY	964	\$4,820.00	\$9,640.00	\$13,573.12	\$10,083.44	\$9,640.00	\$10,604.00	
24	HMAC TY D LIMESTONE AGGREGATE (1") INCLUDE DELIVERY AND PLACEMENT.	SY	964	\$10,122.00	\$8,676.00	\$17,053.16	\$25,044.72	\$9,158.00	\$14,460.00	
25	HMAC TY D LIMESTONE AGGREGATE (2"). INCLUDE DELIVERY AND PLACEMENT.	SY	964	\$11,568.00	\$13,496.00	\$22,731.12	\$26,124.40	\$18,316.00	\$2,892.00	
26	PRIME COAT (MC-30) (0.07 GAL/SY)	GAL	1,322	\$5,288.00	\$9,254.00	\$14,727.08	\$9,624.16	\$13,220.00	\$3,966.00	
27	SILT FENCE	LF	550	\$962.50	\$2,200.00	\$2,161.50	\$2,618.00	\$1,925.00	\$2,750.00	
28	CLEARING AND GRUBBING	LS	1	\$7,500.00	\$2,000.00	\$6,550.00	\$4,928.00	\$14,019.97	\$1,000.00	
29	STABILIZED CONSTRUCTION ENTRANCE.	LS	1	\$1,500.00	\$1,850.00	\$1,965.00	\$2,576.00	\$2,300.00	\$800.00	
30	EARTHWORK (EXCAVATION AND DISPOSAL OF 12" OF IN-SITU MATERIAL TO ACCOMMODATE 10" OF NO. 57 STONE AND 2" OF TRUEGRID)	SY	964	\$5,302.00	\$3,856.00	\$7,846.96	\$8,145.80	\$17,352.00	\$5,784.00	

PARTICIPATING VENDORS:				RDH SITE & CONCRETE, LLC	TEXAS CORDIA CONSTRUCTION, LLC	GRANCHELLI CONSTRUCTION, LLC	NM CONTRACTING, LLC	RHYNER CONSTRUCTION SERVICES, INC.	NON- RESPONSIVE MATA'S PAVING COMPANY	NON- RESPONSIVE VALLEY STRIPING CORP
ITEM	DESCRIPTION	UOM	APPX. QTY	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
DOWNTOWN PARKING LOT (LOCATED JUST SOUTH OF 106 N. CAGE BLVD.)										
31	REMOVE AND PROPERLY DISPOSE OF ASPHALT MATERIAL	SY	975	\$14,625.00	\$3,900.00	\$17,130.75	\$6,493.50	\$27,300.00	\$1,950.00	
32	REMOVE AND PROPERLY DISPOSE OF CONCRETE SIDEWALK/RAMP MATERIAL.	SY	22	\$220.00	\$990.00	\$453.86	\$234.08	\$616.00	\$660.00	
33	REMOVE AND PROPERLY DISPOSE OF CONCRETE VALLEY GUTTER MATERIAL.	LF	57	\$2,565.00	\$1,140.00	\$448.02	\$271.32	\$684.00	\$570.00	
34	REINFORCED 5' CONCRETE SIDEWALK (3,000 PSI)(4"). ALL COMPLETE IN PLACE.	SY	93	\$3,906.00	\$4,185.00	\$6,304.47	\$5,155.92	\$10,230.00	\$4,185.00	
35	REINFOCED 24" CONCRETE VALLEY GUTTER 4,000 PSI). ALL COMPLETE IN PLACE.	LF	57	\$855.00	\$2,850.00	\$858.99	\$1,532.16	\$1,197.00	\$4,503.00	
36	REINFORCED CONCRETE CURB RAMP (3,000 PSI) WITH TRUNCATED DOMES. ALL COMPLETE IN PLACE.	EA	1	\$850.00	\$1,300.00	\$851.50	\$2,128.00	\$2,800.00	\$1,000.00	
37	REINFORCED CONCRETE DRIVEWAY/APRON (4,000 PSI)(6"). ALL COMPLETE IN PLACE.	SY	68	\$4,284.00	\$5,440.00	\$5,010.92	\$5,483.52	\$7,548.00	\$4,420.00	
38	HMAC TY D LIMESTONE AGGRIGATE (1") INCLUDE DELIVERY AND PLACEMENT.	SY	157	\$1,648.50	\$4,710.00	\$2,777.33	\$4,078.86	\$1,491.50	\$2,983.00	
39	TRUEGRID PRO PLUS. INCLUDE PLACEMENT.	SF	22,284	\$33,426.00	\$66,852.00	\$37,882.80	\$133,704.00	\$77,994.00	\$88,021.80	
40	TRUEGRID PRO PLUS DECK. INCLUDE PLACEMENT.	SF	288	\$432.00	\$2,592.00	\$2,736.00	\$1,728.00	\$2,736.00	\$2,160.00	
41	NO. 57 STONE. INCLUDE DELIVERY AND PLACEMENT	CY	825	\$32,175.00	\$53,625.00	\$56,199.00	\$43,428.00	\$33,825.00	\$35,475.00	
42	CONCRETE WHEEL STOP. INCLUDE DELIVERY AND PLACEMENT.	EA	44	\$8,800.00	\$1,320.00	\$2,593.80	\$2,217.60	\$1,276.00	\$7,568.00	\$1,980.00
43	SILTFENCE	LF	689	\$1,205.75	\$2,756.00	\$2,707.77	\$2,928.25	\$2,411.50	\$3,445.00	
44	TREE PROTECTION	LS	1	\$800.00	\$600.00	\$3,930.00	\$56.00	\$210.00	\$2,400.00	
45	CLEARING AND GRUBBING	LS	1	\$7,500.00	\$2,000.00	\$6,550.00	\$4,928.00	\$21,718.70	\$1,000.00	
46	STABILIZED CONSTRUCTION ENTRANCE.	LS	1	\$1,500.00	\$1,850.00	\$1,965.00	\$2,576.00	\$2,300.00	\$800.00	
47	EARTHWORK (EXCAVATION AND DISPOSAL OF 12" OF IN-SITU MATERIAL TO ACCOMMODATE 10" OF NO. 57 STONE AND 2" OF TRUEGRID)	SY	2476	\$13,618.00	\$9,904.00	\$16,836.80	\$20,922.20	\$44,568.00	\$14,856.00	
HIKE AND BIKE TRAIL PARKING LOT (LOCATED ADJACENT TO 906 E. SAM HOUSTON AVE.)										
48	REMOVE AND PROPERLY DISPOSE OF CONCRETE SIDEWALK/RAMP MATERIAL.	SY	25	\$1,125.00	\$1,125.00	\$515.75	\$266.00	\$700.00	\$400.00	
49	REMOVE AND PROPERLY DIPPOSE OF METAL POSTS.	EA	2	\$90.00	\$700.00	\$158.52	\$448.00	\$200.00	\$200.00	
50	REINFORCED 5' CONCRETE SIDEWALK (3,000 PSI)(4"). ALL COMPLETE IN PLACE.	SY	274	\$9,590.00	\$9,864.00	\$18,574.46	\$15,190.56	\$30,414.00	\$12,330.00	
51	REINFORCED CONCRETE CURB RAMP (3,000 PSI) WITH TRUNCATED DOMES. ALL COMPLETE IN PLACE.	EA	1	\$850.00	\$1,600.00	\$851.50	\$2,128.00	\$2,800.00	\$65.00	
52	REINFORCED CONCRETE DRIVEWAY/APRON (4,000 PSI)(6"). ALL COMPLETE IN PLACE.	SY	13	\$754.00	\$2,340.00	\$957.97	\$1,048.32	\$1,443.00	\$51.35	
53	TRUEGRID PRO PLUS. INCLUDE PLACEMENT.	SF	13,229	\$19,843.50	\$52,916.00	\$22,489.30	\$80,696.90	\$46,301.50	\$99,217.50	
54	TRUEGRID PRO PLUS DECK. INCLUDE PLACEMENT.	SF	144	\$216.00	\$2,016.00	\$1,368.00	\$878.40	\$1,368.00	\$1,080.00	
55	NO. 57 STONE. INCLUDE DELIVERARY AND PLACEMENT.	CY	490	\$19,110.00	\$33,320.00	\$33,378.80	\$25,793.60	\$20,090.00	\$21,070.00	
56	TOP SOIL (2). INCLUDE DELIVERY AND PLACEMENT	CY	82	\$2,050.00	\$2,870.00	\$4,511.64	\$1,653.12	\$6,560.00	\$2,050.00	
57	CONCRETE WHEEL STOP. INCLUDE DELIVERY AND PLACEMENT.	EA	33	\$6,600.00	\$990.00	\$1,945.35	\$1,663.20	\$957.00	\$5,676.00	\$1,485.00
58	SILT FENCE	LF	1,025	\$1,793.75	\$4,100.00	\$4,028.25	\$4,879.00	\$3,587.50	\$5,125.00	
59	TREE PROTECTION	LS	1	\$800.00	\$950.00	\$3,930.00	\$56.00	\$210.00		
60	CLEARING AND GRUBBING	LS	1	\$7,500.00	\$2,700.00	\$6,550.00	\$4,928.00	\$14,363.60	\$1,000.00	
61	STABILIZED CONSTRUCTION ENTRANCE.	LS	1	\$1,500.00	\$1,850.00	\$1,965.00	\$2,576.00	\$2,300.00	\$800.00	
62	EARTHWORK (EXCAVATION AND DISPOSAL OF 12" OF IN-SITU MATERIAL TO ACCOMMODATE 10" OF NO. 57 STONE AND 2" OF TRUEGRID)	SY	1470	\$8,085.00	\$5,292.00	\$12,039.30	\$12,421.50	\$26,460.00	\$8,820.00	
BASE BID TOTAL AMOUNT FROM ITEM 1-62				\$450,618.00	\$598,434.00	\$620,553.19	\$771,166.83	\$840,979.92	\$633,790.50	\$5,130.00
POLICE DEPARTMENT PARKING LOT (ALTERNATE BID ITEM)										
1	REMOVE AND PROPERLY DISPOSE OF CONCRETE CURB AND GUTTER MATERIAL	LF	42	\$630.00	\$714.00	\$866.46	\$446.88	\$1,176.00	\$199.50	
2	REINFORCED 5' CONCRETE SIDEWALK (3,000 PSI)(4"). ALL COMPLETE IN PLACE	SY	19	\$665.00	\$1,615.00	\$1,288.01	\$1,053.36	\$2,109.00	\$855.00	
3	REINFORCED CONCRETE CURB RAMP (3,000 PSI) WITH TRUNCATED DOMES. ALL COMPLETE IN PLACE.	EA	2	\$1,700.00	\$2,400.00	\$1,703.00	\$4,256.00	\$5,600.00	\$400.00	
4	TRUEGRID PRO PLUS. INCLUDE PLACEMENT	SF	41052	\$61,578.00	\$135,471.60	\$69,788.40	\$250,417.20	\$143,682.00	\$162,155.40	
5	TRUEGRID PRO PLUS DECK. INCLUDE PLACEMENT	SF	486	\$729.00	\$4,374.00	\$4,617.00	\$2,964.60	\$4,617.00	\$3,645.00	

PARTICIPATING VENDORS:				RDH SITE & CONCRETE, LLC	TEXAS CORDIA CONSTRUCTION, LLC	GRANCHELLI CONSTRUCTION, LLC	NM CONTRACTING, LLC	RHYNER CONSTRUCTION SERVICES, INC.	NON- RESPONSIVE MATA'S PAVING COMPANY	NON- RESPONSIVE VALLEY STRIPING CORP
ITEM	DESCRIPTION	UOM	APPX. QTY	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE	UNIT PRICE
6	NO. 57 STONE. INCLUDE DELIVERY AND PLACEMENT	CY	1520	\$59,280.00	\$92,720.00	\$103,542.40	\$80,012.80	\$62,320.00	\$65,360.00	
7	CONCRETE WHEEL STOP. INCLUDE DELIVERY AND PLACEMENT.	EA	22	\$4,400.00	\$660.00	\$1,296.90	\$1,108.80	\$638.00	\$3,784.00	\$990.00
8	EARTHWORK (EXCAVATION AND DISPOSAL OF 12" OF IN-SITU MATERIAL TO ACCOMMODATE 10" OF NO. 57 STONE AND 2" OF TRUEGRID)	SY	4561	\$25,085.50	\$13,683.00	\$37,354.59	\$38,540.45	\$82,098.00	\$27,366.00	
9	SILT FENCE	LF	952	\$1,666.00	\$2,856.00	\$3,741.36	\$4,531.52	\$3,332.00	\$4,760.00	
10	TREE PROTECTION	LS	1	\$800.00	\$350.00	\$3,930.00	\$56.00	\$210.00	\$2,000.00	
11	CLEARING AND GRUBBING	LS	1	\$7,500.00	\$2,000.00	\$6,550.00	\$4,928.00	\$30,808.20	\$1,000.00	
12	STABILIZED CONSTRUCTION ENTRANCE.	LS	1	\$1,500.00	\$1,610.00	\$1,965.00	\$2,576.00	\$2,300.00	\$800.00	
ALTERNATE BID TOTAL AMOUNT FROM ITEM 1-12				\$165,533.50	\$258,453.60	\$236,643.12	\$390,891.61	\$338,890.20	\$272,324.90	\$990.00
BASE AND ALTERNATE BID TOTAL AMOUNT				\$616,151.50	\$856,887.60	\$857,196.31	\$1,162,058.44	\$1,179,870.12	\$906,115.40	\$6,120.00
BID BOND				YES	YES	YES	YES	YES	NO	NO
ADDENDUM #1				YES	YES	YES	YES	YES	NO	NO
ADDENDUM #2				YES	YES	YES	YES	YES	NO	NO
ADDENDUM #3				YES	YES	YES	YES	YES	NO	NO
ELECTRONIC BID SUBMITTED				YES	YES	YES	YES	YES	NO	YES



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 8.C.

DATE SUBMITTED: January 28, 2021

MEETING DATE: February 1, 2021

FROM: Omar Anzaldua, City Engineer

DEPARTMENT: Engineering

DIRECTOR: Omar Anzaldua

Agenda Item: Consideration and action, if any, authorizing City Manager to negotiate and enter into a contract with Javier Hinojosa Engineering for Professional Engineering Services for the design and project administration of the South Regional Detention Facility and Drainage Improvement Project

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: The City of Pharr is requesting authorization of the City Commission on approving the City Manager to negotiate and enter into a contract agreement with Javier Hinojosa Engineering , for Professional Engineering Services of the South Regional Detention Facility and Drainage Improvements. This project will add much needed drainage capacity to the area. Project #1920-01-528-S013-001 (Rot. List)

The City will use the Standard Professional Services Contract

Fiscal Consideration: TBD

Staff Recommendation: Staff recommends approval and authorization to negotiate and enter into a contract with Javier Hinojosa Engineering for Professional Engineering Services for the design and project administration of the South Regional Detention Facility and Drainage Improvement Project.

Alternatives: N/A

Exclude Material from Public Packet? Yes

Reason: N/A

ROUTING:

Omar Anzaldua

Created/Initiated - 1/28/2021

Omar Anzaldua

Approved - 1/28/2021

Ignacio Amezcua

Approved - 1/28/2021

Patricia Rigney

Approved - 1/28/2021

Karla Saavedra

Approved - 1/28/2021

City Management Office

Final Approval - 1/29/2021

JAVIER HINOJOSA ENGINEERING/Consulting Engineers

416 E. Dove Avenue • McAllen, Texas 78504

Tel: (956) 668-1588 • Fax: (956) 994-8102

javhin@rgv.rr.com

TBPE FIRM NO. F-1295

January 29, 2021

Mr. Omar Anzaldua, P.E., City Engineer
City of Pharr
118 S. Cage Blvd.
Pharr, Texas 78577

Re: South Regional Detention Facility

Dear Omar,

As per your request, this letter will serve as our Proposal for the required Civil Engineering and Environmental Services required for the proposed South Regional Detention Facility. This detention facility area is approximately 20.59 acres located south of Hidalgo Park Estates Subdivision east of Anaya Heights Subdivision and north of the South Lateral Drain. Our services will include the necessary surveying, design, construction staking and project administration for this project. The project will involve design of the detention facility along with the design of removal and replacement four culverts connecting to the proposed detention facility and adjoining drainage ditches. Our total fee will be a fixed fee of \$410,000.00. We stand ready to proceed with this project at the execution of the contract. I am attaching the exhibits for your use in preparing the contract. If you have any questions or require further information, please feel free to contact me at your convenience.

Sincerely,

JAVIER HINOJOSA ENGINEERING

A handwritten signature in blue ink, appearing to read 'Javier Hinojosa', is written over the printed name.

Javier Hinojosa, P.E.

EXHIBIT “A”

Scope of Services

The following provides an outline of the services to be provided by the **Engineer** in the development of the **Project**.

The ENGINEER will evaluate and design the Improvements as follows:

- Review existing conditions to develop the design criteria;
- Prepare an Environmental assessment as per Texas Water Development Board requirements.
- Conduct field surveys to obtain information on existing conditions, existing utilities and topography on the proposed project;
- Identify existing utilities that may be in conflict with the proposed project;
- Prepare plans and specifications for the proposed detention facility and associated culvert crossings.
- Assist in bidding of the improvements;
- Provide construction staking and periodic inspection services during the construction phase of the improvements.

EXHIBIT “C”

ENGINEER’S FEE ESTIMATE

Total Engineering Fee: \$410,000.00

Breakdown of Fee

A. Preliminary Phase (Survey Data) - 25%	:	\$102,500.00
B. Design Phase – 55%	:	\$225,500.00
C. Construction Phase – 20%	:	<u>\$82,000.00</u>
Total	:	\$410,000.00



AGENDA MEMORANDUM



BOARD: City Commission

AGENDA ITEM #: 8.D.

DATE SUBMITTED: January 28, 2021

MEETING DATE: February 1, 2021

FROM: Omar Anzaldua, City Engineer

DEPARTMENT: Engineering

DIRECTOR: Omar Anzaldua

Agenda Item: Consideration and action, if any, authorizing City Manager to negotiate and enter into a contract with CobbFendly for Professional Engineering Services for the design and project administration of the City Wide Fiber Optic Project.

Classification: Regular

(* If closed session, City Attorney must review and approve.)

Issue: City Wide Fiber Optic Project. The City will use it's standard Professional Engineering Service Contract. Project #1920-01-528-S013-001 (Rot. List)

Fiscal Consideration: TBD

Staff Recommendation: Staff recommends approval authorizing City Manager to negotiate and enter into a contract with CobbFendly for Professional Engineering Services for the design and project administration of the City Wide Fiber Optic Project.

Alternatives: N/A

Exclude Material from Public Packet? No

Reason: N/A

ROUTING:

Omar Anzaldua
Omar Anzaldua
Jose Pena
Ignacio Amezcua
Patricia Rigney
Karla Saavedra
City Management Office

Created/Initiated - 1/28/2021
Approved - 1/28/2021
Approved - 1/28/2021
Approved - 1/28/2021
Approved - 1/28/2021
Denied - 1/28/2021