HOMELAND DEFENSE/ NEIGHBORHOOD IMPROVEMENT BOND OVERSIGHT BOARD AGENDA

7-24-07 - 5:00 P.M.
CITY OF MIAMI
CITY HALL CHAMBERS
3500 Pan American Drive
MIAMI, FLORIDA 33133

- I. APPROVAL OF THE MINUTES OF THE MEETING OF JUNE 26, 2007.
- II. NEW BUSINESS:

INTRODUCTION OF NEW BOARD MEMBER:

• Hugo P. Arza nominated by Vice Chairman Sanchez

FINANCIAL UPDATE:

Expenditures, Reallocations and Series 2 Update

NEW ITEMS:

- Purchase of a Pierce Lance Haz Mat Vehicle for the Fire Department
- Blanche Park Fence Project
- Saunder's Plot Repairs at City's Cemetery
- > Morningside Park Shoreline Stabilization Project

UPDATES:

- Little Haiti Park Soccer Park
- Little Haiti Park Cultural Complex
- Grapeland Park
- Fern Isle Park
- Jose Marti Gymnasium
- Roberto Clemente Park
- Black Police Precinct & Museum Restoration
- III. CHAIRPERSON'S OPEN AGENDA:
- IV. ADDITIONAL ITEMS:

HOMELAND DEFENSE/ NEIGHBORHOOD IMPROVEMENT BOND OVERSIGHT BOARD MINUTES

6-26-07 -6:00 P.M.
CITY OF MIAMI
CITY HALL CHAMBERS
3500 Pan American Drive
MIAMI, FLORIDA 33133

The meeting was called to order at 6:18 p.m., with the following members found to be

Present: Rolando Aedo

Eileen Broton Mariano Cruz

Ramon De La Cabada

Robert A. Flanders (Chairman)

Charisse L. Grant Camen Matos Jami Reyes Hattie Willis

Absent: Luis Cabrera

Ricardo Lambert Laurinus Pierre Gary Reshefsky

Manolo Reyes (Vice Chairman)

Jose Solares

ALSO PRESENT: Rafael O. Diaz, Deputy City Attorney

Orlando Toledo, City Manager's Office

Ola O. Aluko, CIP Department
Danette Perez, CIP Department
Zimri Prendes, CIP Department
Nancy Mckee, Museum of Science
Gillian Thomas, Museum of Science
Scott Lewis, Museum of Science
Becky Matkov, Dade Heritage Trust
Teri E. Thomas, City Clerk's Office

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I. APPROVAL OF THE MINUTES OF THE MEETINGS OF MARCH 19. 2007. MARCH 30. 2007 & APRIL 10. 2007.

HD/NIB MOTION 07-12

A MOTION TO APPROVE THE MINUTES OF THE MEETING OF MARCH 19, 2007.

MOVED: R. Aedo

SECONDED: R. De La Cabada

ABSENT: L. Cabrera, R. Lambert, L. Pierre, G. Reshefsky, M. Reyes,

J. Solares

Note for the Record: Motion passed by unanimous vote of all Board Members

present.

HD/NIB MOTION 07-13

A MOTION TO APPROVE THE MINUTES OF THE MEETING OF MARCH 30, 2007.

MOVED: M. Cruz SECONDED: H. Willis

ABSENT: L. Cabrera, R. Lambert, L. Pierre, G. Reshefsky, M. Reyes,

J. Solares

Note for the Record: Motion passed by unanimous vote of all Board Members

present.

HD/NIB MOTION 07-14

A MOTION TO APPROVE THE MINUTES OF THE MEETING OF APRIL 10, 2007.

MOVED: R. Aedo

SECONDED: R. De La Cabada

ABSENT: L. Cabrera, R. Lambert, L. Pierre, G. Reshefsky, M. Reyes,

J. Solares

Note for the Record: Motion passed by unanimous vote of all Board Members present.

II. <u>NEW BUSINESS</u>:

INTRODUCTION OF NEW BOARD MEMBERS:

- Ricardo Lambert nominated by Commissioner Regalado
- Carmen Matos nominated by Mayor Diaz
- Charisse L. Grant nominated by Mayor Diaz

Chairman Flanders introduced and welcomed Carmen Matos and Charisse L. Grant to the board, both nominated by Mayor Manuel A. Diaz. Chairman Flanders also thanked Luis De Rosa for his dedicated service to the board since the board's inception.

NEW ITEMS:

Additional Grant to the Miami Science Museum to Support the Development of a Science Museum Facility in Bicentennial Park

NAME OF PROJECT: <u>ADDITIONAL GRANT TO THE MIAMI SCIENCE MUSEUM TO SUPPORT THE DEVELOPMENT OF A SCIENCE MUSEUM FACILITY IN BICENTENNIAL PARK</u>

TOTAL DOLLAR AMOUNT: \$2,000,000

SOURCE OF FUNDS: Miami Science Museum

ACCOUNT CODE(S): CIP # 333143

DESCRIPTION OF PROJECT: To support further activities related to the development of a Science

Museum in Bicentennial Park.

HD/NIB MOTION 07-15

A MOTION TO FUND THE ADDITIONAL GRANT TO THE MIAMI SCIENCE MUSEUM TO SUPPORT THE DEVELOPMENT OF A SCIENCE MUSEUM FACILITY IN BICENTENNIAL PARK.

MOVED: J. Reyes SECONDED: M. Cruz

ABSENT: L. Cabrera, R. Lambert, L. Pierre, G. Reshefsky, M. Reyes, J. Solares

Note for the Record: Motion passed by unanimous vote of all Board Members present, with the exception of Jose Solares, who voted against the item.

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Buena Vista East Historic District Streetscape Improvements

NAME OF PROJECT: <u>BUENA VISTA EAST HISTORIC DISTRICT-STREETSCAPE</u> IMPROVEMENTS

TOTAL DOLLAR AMOUNT: \$1,845,368 (\$1,562,354 Homeland Defense Neighborhood Improvements

Series)

SOURCE OF FUNDS: HDNIB Design District/FEC Corridor/District 5 Quality of Life

<u>Improvements</u>

ACCOUNT CODE(S): <u>CIP # 341157 & 311715</u>

DESCRIPTION OF PROJECT: <u>Scope</u> involves milling & resurfacing, partial reconstruction, installation of raised curbs, sidewalks widening, addition of median island, storm drainage & pavement

markings at specific areas based on need. (Continuation of Scope Attached)

HD/NIB MOTION 07-16

A MOTION TO FUND THE ADDITIONAL GRANT TO THE BUENA VISTA EAST HISTORIC DISTRICT STREETSCAPE IMPROVEMENTS.

MOVED: M. Cruz SECONDED: R. Aedo

ABSENT: L. Cabrera, R. Lambert, L. Pierre, G. Reshefsky, M. Reyes, J. Solares

Note for the Record: Motion passed by unanimous vote of all Board Members present, with the exception of Jose Solares, who voted against the item.

> Additional Funding for the Miami High Bungalow

NAME OF PROJECT: ADDITIONAL FUNDING FOR THE MIAMI HIGH BUNGALOW

TOTAL DOLLAR AMOUNT: \$55,000

SOURCE OF FUNDS: Neighborhood Parks and Acquisition

ACCOUNT CODE(S): CIP # 341419

DESCRIPTION OF PROJECT: Scope involves the restoration and stabilization of the one story wood

frame Old Miami School Bungalow as a City owned Park office and Community Resource center.

HD/NIB MOTION 07-17

A MOTION TO FUND THE ADDITIONAL GRANT TO THE ADDITIONAL FUNDING FOR THE MIAMI HIGH BUNGALOW.

MOVED: R. De La Cabada

SECONDED: M. Cruz

ABSENT: L. Cabrera, R. Lambert, L. Pierre, G. Reshefsky, M. Reyes, J. Solares

Note for the Record: Motion passed by unanimous vote of all Board Members present, with the exception of Jose Solares, who voted against the item.

UPDATE:

Miami River Greenway Regulatory Guidelines – Professional Consulting Services

Orlando Toledo, City Manager's Office, stated that the study has been completed. In addition, there are 11 projects that are in the process; 5 of them have been completed; 3 are presently actively; 1 is at Historic Preservation, which should be seen in July; and then 5 currently do not have funding, and they will be addressed with next year's budget. Every developer that comes to the river now to work will be given the standards and they will have to follow those standards. The Planning Department has a Class II process that requires projects on the water to come through the Class II process. Those will be conditions that will be placed as part of the Class II, the same as if it's a Major Use Special Permit, there will be conditions that are placed as part of the development order. When the project is completed, Code Enforcement then visits the site to ensure that the standards were followed that were presented as part of the project plans. The CO will not be issued if the plans were not adhered to. They may have a TCO, but the final CO cannot be issued until all the requirements are met.

III. CHAIRPERSON'S OPEN AGENDA:

Statement regarding arrest of 11 CIP employees

Chairman Flanders read the following statement into the record:

This is the appropriate time to address last week's well-publicized events that took place in Miami's Capital Improvement Projects Department. As you know, 11 City employees were arrested, and if the charges that were filed by the State Attorney's Office against them prove correct, then these unscrupulous public servants conspired over time to fraudulently use their workday and the City's resources for personal gain, with the taxpayers picking up the tab. It is understandable that we are appalled to learn of such an organized scheme that has reportedly cost Miami's much-needed Capital Improvements Program untold millions in stolen time and in construction delays, but despite the outrageous behavior of these people, this episode becomes a positive one for Miami as we recognize the honor, the integrity, and courage displayed by Mayor Diaz, City Manager Pete Hernandez, and Chief of Operations Mary Conway in their oversight and dogged pursuit of the illegal activities, and by their speaking out publicly and unequivocally that it really is no longer business as usual in Miami. Public servants have an obligation to what is best -- what is in the best interest of the people they serve; in this case, the taxpayers and residents of the City of Miami. The arrests send a clear message that, when you betray that trust, you will be caught, you will face prosecution, and you most likely will go to jail. Mayor Diaz has stated that he has a zero tolerance for fraud within the City. If the allegations of the premeditated corruption are proven correct, then his Administration will be remembered by history as the one who cleaned up Miami. Corruption in government has been around since the foundation of Rome. It is kept in check with consistent internal audit controls and good management oversight. This board can do no less than to commend the current Administration for its diligence and to encourage more of the same.

IV. ADDITIONAL ITEMS:

HD/NIB MOTION 07-18

A MOTION WAS MADE TO ADJOURN TODAY'S MEETING.

MOVED: M. Cruz SECONDED: J. Reyes

L. Cabrera, R. Lambert, L. Pierre, G. Reshefsky, M. Reyes, J. Solares

Note for the Record: Motion passed by unanimous vote of all Board Members present.

DEPARTMENT OF CAPITAL IMPROVEMENTS PROJECT OVERVIEW FORM



1. DATE: DISTRICT: CW
NAME OF PROJECT: PIERCE LANCE HAZ MAT VEHICLE FOR THE FIRE DEPARTMENT
INITIATING DEPARTMENT/DIVISION: Fire-Rescue Department INITIATING CONTACT PERSON (CONTACT NUMBER - P. 1. 1.1.) (205) 44(404)
INITIATING CONTACT PERSON/CONTACT NUMBER: Reginald Duran (305)416-1240 C.I.P. DEPARTMENT CONTACT: Ola O Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: _313305
2. BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes,
TOTAL DOLLAR AMOUNT: \$564,576.53
SOURCE OF FUNDS: Fire-Rescue Homeland Defense Preparedness Initiatives
и (11 1 - 6 1 - 1 - 2 Пута Пута
If grant funded, is there a City match requirement? YES NO AMOUNT: EXPIRATION DATE:
Are matching funds Budgeted? YES NO Account Code(s):
Estimated Operations and Maintenance Budget
3. SCOPE OF PROJECT:
Individuals / Departments who provided input:
DESCRIPTION OF PROJECT: <u>Purchase of Pierce Lance Haz Mat Vehicle for the Fire Rescue Department</u>
(Continuation of scope and Bid is attached)
ADA Compliant? YES NO N/A
Approved by Audit Committee? YES NO N/A DATE APPROVED: 7/18/07
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 7/18/07
Approved by Commission? YES NO N/A DATE APPROVED:
Revisions to Original Scope? YES NO (If YES see Item 5 below)
Time Approval 6 months 12 months Date for next Oversight Board Update:
4. CONCEPTUAL COST ESTIMATE BREAKDOWN
Has a conceptual cost estimate been developed based upon the initial established scope? TYES NO If yes, DESIGN COST:
DESIGN COST:CONSTRUCTION COST:
Is conceptual estimate within project budget? YES NO
If not, have additional funds been identified? \(\text{YES} \) NO
Source(s) of additional funds:
Approved by Commission? YES NO N/A DATE APPROVED:
Approved by Commission? YES NO N/A DATE APPROVED:
5. REVISIONS TO ORIGINAL SCOPE
Individuals / Departments who provided input:
ustifications for change:
Description of change:
Fiscal Impact YES NO HOW MUCH?
Have additional funds been identified? YES NO
Source(s) of additional funds:
Time impact
Approved by Commission? YES NO NA DATE APPROVED: Approved by Commission?
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED:
6. COMMENTS:
APPROVAL: DATE:
BOND OVERSIGHT BOARD

Enclosures: Back-Up Materials XYES NO

PROPOSAL FOR FURNISHING FIRE APPARATUS

City of Miami	
1151 NW 7th Street	
Miami, FL 33136	
The undersigned is prepared to manufacture for you, a acceptance by Pierce Manufacturing, Inc., at its home office is equipment herein named and for the following prices:	
One Pierce Lance Haz Mat Vehicle	\$ <u>564,576.53</u>
Pricing In Accordance With Florida Sheriffs Association Bid Number05-06-0823	
	Total \$ 564,576.53
Said apparatus and equipment are to be built and shipp hereto attached, delays due to strikes, war, or intentional conflother causes beyond our control not preventing, within about order and the acceptance thereof at our office at Appleton, William, Florida	ict, failures to obtain chassis, materials, or 220-250 working days after receipt of this

Pierce.

SALES REPRESENTATIVE

July 9 2007



SHERIFFS ASSOCIATION

Post Office Box 12519 • Tallahassee, Florida 32317-2519 Telephone 850/877-2165 • FAX 850/878-8665 • www.flsheriffs.org

DATE:

February 12, 2007

TO:

PARTICIPATING LAW ENFORCEMENT, FIRE/RESCUE

& LOCAL GOVERNMENTAL AGENCIES

FROM:

Garv E. Perkins

Lynn Meek

Peggy Goff

Executive Director

Bid Coordinator

Contract Manager

RE:

CONTINUED EXTENSION OF THE COOPERATIVE BID FOR

FIRE/RESCUE VEHICLES & OTHER FLEET EQUIPMENT

Bid No. 05-06-0823

As some of you might know, the United States Environmental Protection Agency (U.S. EPA) adopted more stringent emission standards for 2007 and subsequent model year heavy-duty engines and vehicles. The emission standards adopted by the U.S. EPA for 2007 reduce engine exhaust NOx emissions by 90 percent, non-methane hydrocarbon (NMHC) emissions by 72 percent, and engine exhaust PM emissions by 90 percent from heavy-duty and medium-duty diesel engines, compared to previous standards.

Because of these changes to the emission standards, engine pricing has not been available, and therefore we have extended Bid 05-06-0823 in order to accommodate the continued purchasing of fire and rescue vehicles. Now that pricing is available, in order to avoid a short-term contract arrangement, the Florida Fire Chiefs Association, the Florida Sheriffs Association and the Florida Association of Counties has decided to extend the bid through September 30, 2007, and will exercise the provision in Part A of the contract allowing for a price increase due to the price increases brought about by these new emission standards.

Dealers will use the base price as quoted in Bid 05-06-0823 and adjust it to allow for the price increase brought about by the new emission standards. To determine the amount of the price increase, participants should contact one of the "Designated Manufacturers" that are listed on page 14 of the Bid Award Announcement located at www.flsheriffs.org.

We anticipate the new bid to be available and effective as of October 1, 2007.



BID AWARD ANNOUNCEMENT

05-06-0823

FIRE RESCUE VEHICLES, & OTHER FLEET EQUIPMENT

Participating Law Enforcement, Fire/Rescue & Local Governmental
Agencies of the State of Florida

Coordinated By

The

Florida Fire Chiefs' Association,
Florida Sheriffs Association
& Florida Association of Counties







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International 4300LPInternational 4400LP	
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Ferrara Fire Apparatus, Inc. – 77' Intruder	
ren-o rire equipment, me rierce emorcer 10	50

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Hall-Mark Fire Apparatus, Inc. – E-One HP100 Steel Ladder	66
American LaFrance – Metropolitan C-24-R105	69
Ferrara Fire Apparatus, Inc. – 107' Inferno XL Igniter	72
Ten-8 Fire Equipment, Inc. – Pierce Enforcer 105'	75
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Hall-Mark Fire Apparatus, Inc. – E-One HP95 Steel Ladder	83
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Ferrara Fire Apparatus, Inc	126
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Extruded Aluminum Body	
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Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	

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Ten-8 Fire Equipment, Inc.	141
Formed Aluminum Body	
Kenworth T-300	1 4 4
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All Stainless Steel Welded Body	1.47
Ten-8 Fire Equipment, Inc.	147
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Formed Aluminum Body	
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American LaFrance	170
Formed Aluminum Body	
All Stainless Steel Welded Body	
Ferrara Fire Apparatus, Inc	172
Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	
Hall-Mark Fire Apparatus, Inc	174
Extruded Aluminum Body	
Ten-8 Fire Equipment, Inc.	176
Formed Aluminum Body	
International 4400	
Ferrara Fire Apparatus, Inc	178
Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	
Hall-Mark Fire Apparatus, Inc.	180
Extruded Aluminum Body	
Ten-8 Fire Equipment, Inc.	182
Formed Aluminum Body	
y	

Specification #12 – Commercial Pumper – (continued)
Kenworth T-300
Ferrara Fire Apparatus, Inc 18
Formed Aluminum Body
Extruded Aluminum Body
All Stainless Steel Welded Body
Ten-8 Fire Equipment, Inc
Formed Aluminum Body
Sterling Acterra
American LaFrance
Formed Aluminum Body
All Stainless Steel Welded Body
Ferrara Fire Apparatus, Inc
Formed Aluminum Body
Extruded Aluminum Body
All Stainless Steel Welded Body
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Custom Chassis
American LaFrance – Liberty 19-
Formed Aluminum Body
All Stainless Steel Welded Body
Ferrara Fire Apparatus, Inc. – P500 19
Formed Aluminum Body
Extruded Aluminum Body
All Stainless Steel Welded Body
Hall-Mark Fire Apparatus, Inc. – E-One C034 Typhoon 199
Formed Aluminum Body
Extruded Aluminum Body
Ten-8 Fire Equipment, Inc. – Pierce Contender
Formed Aluminum Body
All Stainless Steel Welded Body
Spartan Chassis
Ferrara Fire Apparatus, Inc. – P500
Formed Aluminum Body
Extruded Aluminum Body
All Stainless Steel Welded Body
HME Chassis
Ferrara Fire Apparatus, Inc. – P500
Formed Aluminum Body
Extruded Aluminum Body
All Stainless Steel Welded Body
On the Hill 197' NEDA 1995 Compliant Class C
Specification #14 - 27' NFPA 1925 Compliant Class C
Marine Fire/Rescue Boat
No Bids Submitted
Manua Matan Lagging
Mears Motor Leasing



FLORIDA SHERIFFS ASSOCIATION

P. O. Box 12519 • Tallahassee, FL 32317-2519 PHONE (850) 877-2165 • FAX (850) 878-8665 WEB SITE: http://www.flsheriffs.org

Peggy Goff

DATE: September 29, 2005

TO: ALL PROSPECTIVE PARTICIPANTS

FROM: Gary E. Perkins Lynn Meek

Executive Director Vehicle Bid Coordinator Vehicle Contract Manager

RE: PARTICIPATING LAW ENFORCEMENT, FIRE/RESCUE &

LOCAL GOVERNMENTAL AGENCIES OF THE STATE OF FLORIDA

COOPERATIVE BID FOR FIRE/RESCUE VEHICLES & OTHER FLEET EQUIPMENT

Bid No. 05-06-0823

We are pleased to announce that the Florida Fire Chiefs' Association, the Florida Sheriffs Association and the Florida Association of Counties has successfully conducted its sixth statewide competitive bid for fire & rescue vehicles. Bids will be extended and guaranteed to any and all units of local governments/political subdivisions including but not limited to county, local county board of public instruction municipalities and other local public or public safety agencies or authorities within the State of Florida and in accordance with the provisions of Chapter 287, F.S., and 60A, Florida Administrative Code, which elects and is authorized to purchase from a source other than the State of Florida contract.

In addition to the eligible users referenced above and with the consent of the successful bidder(s) purchases may be made under the terms and conditions of this contract by governmental entities located outside the State of Florida. Appropriate governmental entities' purchasing laws, rules and regulations shall apply to purchases made under this contract.

This contract is good from October 1, 2005 thru September 30, 2006.

All interested parties who wish to purchase from this contract may do so by following these simple procedures:

ORDERING INSTRUCTIONS

1. Contact the designated manufacturer (see page 14) listed which you wish to purchase and advise them of your interest to purchase from the **Fire/Rescue Vehicles & Other Fleet Equipment Bid No. 05-06-0823**. They will assist you with the placement of your order and answer any questions you may have regarding the vehicles purchased through this program.

IMPORTANT NOTE: All agencies ordering any FORD or GENERAL MOTORS product, please be advised that you must use the appropriate FIN CODE/FAN CODE for the Florida Sheriffs Associa-







FLORIDA FIRE CHIEFS' ASSOCIATION, FLORIDA SHERIFFS ASSOCIATION & FLORIDA ASSOCIATION OF COUNTIES

2006 PIERCE SABER-C ENCORE RESCUE Specification #09 (Heavy Rescue Apparatus)

The Pierce Saber-C Encore Rescue, purchased through this contract comes with all the standard equipment as specified by the manufacturer for this model and FSA's base vehicle specification(s) requirements which are included and made a part of this contract's vehicle base price as awarded by manufacturer by specification by zone.

ZONE:

All Zones

BASE PRICE:

\$170,629.00

BODY:

Aluminum Body

MANUFACTURER:

Ten-8 Fire Equipment, Inc.

All Zones \$180,129.00

Stainless Steel Body

Ten-8 Fire Equipment, Inc.

While the Florida Fire Chiefs's Association, Florida Sheriffs Association and Florida Association of Counties have attempted to identify equipment required to meet all current NFPA 1901, FMVSS (applicable areas) and NHTSA standards, we realize equipment needs and preferences are going to vary from agency to agency. Any options required or changes required by purchaser shall be made through the vendor listed.

The following equipment delete and add options and their related cost are provided here to assist you in approximating the total cost of the type vehicle(s) you wish to order through this program. Simply deduct the cost of any of the following equipment items you wish deleted from the base unit cost and/or add the cost of any equipment items you wish added to the base unit cost to determine the approximate cost of the type vehicle(s) you wish to order.

NOTE: An official listing of all add/delete options and their prices should be obtained from the appropriate vendor in your zone when preparing your order. Additional add/delete options other than those listed here may be available through the vendor, however, those listed here must be honored by the vendor at the stated prices.

LEGEND FOR DELETE/ADD OPTIONS

Every line will require a **DOLLAR VALUE** or one of the following abbreviations:

Std. = manufacturer's standard equip. **Incl.** = included with base specs.

NC = no additional charge NA = not applicable to the vehicle

= option not bid by vendor

VEHICLE:

Pierce Saber-C Encore Rescue

Pierce Saber-C Encore Rescue

ZONE: BASE PRICE: All Zones \$170,629.00

BODY: Aluminum Body

MANUFACTURER: Ten-8 Fire Equipment, Inc.

\$180,129.00 Stainless Steel Body Ten-8 Fire Equipment, Inc.

All Zones

Order All Zones **Delete Options** Code Performance bond (per \$1,000.00) 2.25 00006 Two-door commercial chassis in lieu of custom cab -42,456.00 IH4400 bidder to provide exact model and chassis specification \$ 33,457.00 Four-door commercial chassis in lieu of custom cab – bidder IH4401 to provide exact model and chassis specification with bid Order All Zones **Add Options** Code 341.00 22252 Bumper hose tray 5,670.00 Front bumper mounted 12,000 pound electric winch, aluminum 22340 diamond plate cover, 15' tether control, chain compartment Ś 899.00 Bumper recessed 24" Grover or equal air horns, pair, with dual 66052 foot switches Ś 6.197.00 370 horsepower engine, Jake brake 60332 \$ 7,384.00 400 horsepower engine, Jake brake 60297 \$ 430 horsepower engine, Jake brake - incl. dash chassis upgrade 82,397.00 50220* \$ 82,965.00 450 horsepower engine, Jake brake - incl. dash chassis upgrade 50220-1* Ś 83.252.00 500 horsepower engine, Jake brake - incl. dash chassis upgrade 50220-2* Ś 744.00 Fuel water separator with light and alarm in cab 01332 65 gallon fuel tank Std. \$ Wire braided reinforced fuel lines 574.00 01128 \$ 16" raised roof cab 1.542.00 26217 \$ 1,177.00 2 additional SCBA seat rear of cab, fixed position, with 22352 SCBA bracket \$ 586.00 02501 Map box console Ś 2,357.00 04258 EMS box in cab Std. 1" insulation package in cab headliner, side walls, rear wall and under cab floor Upgrade air conditioning to dual systems with separate front Std. & rear controls 453.00 Upgrade chassis and body clearance lights to LED 90155 \$ 707.00 Two tone cab paint 36197 \$\$\$\$ 3,468.00 Aluminum wheels in place of steel 19675 1,222.00 Stainless steel wheel covers 01952 Bus style mirrors, heated remote control 1,611.00 02181 Heated remote control West Coast style mirrors 943.00 32129 39,936.00 Add 250 gpm PTO pump - include NFPA requirements, not limited 34401 to power shift, pump panel, primer, relief valves, gauge package, 2-1/2" gated suction, tank to pump, tank fill,

one 2-1/2" discharge, 200 gallon booster poly tank, engine cooler, pump cooler, master and individual drain lines

Upgrade pump package to 500 gpm pump with additional

2-1/2" discharge

34402

\$ 44,138.00

VEHICLE:

Pierce Saber-C Encore Rescue

Pierce Saber-C Encore Rescue

ZONE: BASE PRICE: All Zones \$170,629.00

BODY:

Aluminum Body

MANUFACTURER: Ten-8 Fire Equipment, Inc.

All Zones \$180,129.00

Stainless Steel Body

Ten-8 Fire Equipment, Inc.

Order Code	Add Options (cont'd)	All	Zones
Couc	-		
	Electronic pressure governor in place of pressure relief valves	Δ.	NA
22088	Thermal relief valve	\$\$\$\$\$\$\$\$\$	768.00
37126	1-1/2" discharge on panel	\$	1,181.00
31701	Upgrade pump package to 250 gallon booster tank	Ş	591.00
31702	Upgrade pump package to 300 gallon booster tank	Ş	1,180.00
20941	Upgrade warning lights to LED - specify type & number of lights	Ş	6,030.00
20929	Upgrade warning lights to strobe – specify type & number of lights	Ş	5,382.00
16080	Federal Q2B siren with 2 foot switches	Ş	3,370.00
40511	Whelen 64 Series Opti-Scenelights – pair	\$	606.00
06690	110 volt electrical package #1: 5kW gasoline generator, roll out tray, electric start, two 500 watt telescopic quartz lights, two 20-amp twist lock receptacles, 6-place GFI breaker box	Þ	6,868.00
36642	110 volt electrical package #3: 6kW pto/hydraulic generator,	\$	18,394.00
	two 500 watt telescopic quartz lights, two 20-amp twist		
	lock receptacles, 6-place GFI breaker box	٨	01 140 00
06672	110 volt electrical package #4: 10kW pto/hydraulic generator,	Ş	21,149.00
	two 500 watt telescopic quartz lights, two 20-amp twist lock		
	receptacles, 12-place GFI breaker box, 3000 watt light tower,		
00000	four recessed 500 watt quartz lights, electric rewind cord reel	Ś	21,640.00
66658	110 volt electrical package #5: 25kW pto generator, two 500 watt	Ģ	21,040.00
	telescopic quartz lights, two 20-amp twist lock receptacles, 20-place GFI breaker box, 6000 watt light tower, four recessed		
	1000 watt quartz lights, electric rewind cord reel		
00711	110 volt electrical package #6: 40kW pto generator, two 500 watt	\$	23,804.00
66711	telescopic quartz lights, two 20-amp twist lock receptacles,	Ŷ	20,001.00
	6-place GFI breaker box, 6000 watt light tower, four recessed		
	1000 watt quartz lights, electric rewind cord reel		
02041	Roll up doors in place of hinged	Ś	1,900.00
03941 03942	Adjustable shelf – each	55555555555	249.00
03982	Roll out tray, 250 pound capacity – each	š	713.00
03982	Roll out tray, 500 pound capacity – each	š	713.00
03983	Roll out tray, 500 pound capacity with Jonathon slides – each	š	850.00
03942	Install roll out tray on adjustable track – each	ś	713.00
03983	Roll out / tilt down equipment tray, 250 pound capacity – each	Ś	832.00
18215	SCBA storage in wheel well area – set of four (4)	ś	1,369.00
15002	Roll out tool board, full height of compartment – each	ś	1,028.00
43233	Underbody compartment – each	š	1,078.00
	Polypropylene equipment tray with handle, approx 12" x 24" – each	š	227.00
43189	Aluminum SCBA storage rack for 12 bottles – each	\$	1,352.00
43714	Lettering package – 60 three inch high Scotchlite letters with	š	738.00
17246	shade or outline	Ÿ	100.00
17246	Lettering - individual - 12" high Scotchlite	\$	19.00
17313	Swirled finish interior compartments		Std.
.	Painted interior of apparatus body compartments		NA
03815	As built electrical schematics	\$	7,227.00

^{*(}Includes dash chassis upgrade)



Component List

Customer: City of Miami

Representative: Michael Schneider Organization: Ten-8 Fire Equipment, Inc.

Contract Admin:

Description: HDR, HazMat

Body: HDR, Non-Walkin, Aluminum

Chassis: Lance-2000 Chassis

Bid Number: 5245 **DB Version:** 220164 **Bid Date:** 8/30/2007

Line	PRIDE #	Component	Qty	Price
Line	TRIDE	Specification #09 - Heavy Rescue Apparatus		\$170,629.00
1	0000002	Boiler Plates, Heavy Duty Rescue	1	\$0.00
		Single Source Compliance	1	\$0.00
		Match Not Required	1	\$0.00
	0062301	Comply NFPA 1901 Changes Effective Jan 1, 2004	1	\$0.00
		Career/Paid Department]	\$0.00
		Vehicle Destination, US/Export		\$0.00
		Vehicle Certification, Rescue		\$0.00
		Agency, Apparatus Certification, Rescue, U.L.		\$0.00
		Maximum Overall Height		\$0.00
		Size - 140"		
10	0000007	Approval Drawing		\$0.00
11	0519048	Warranty, Custom Chassis, 5 year bumper to bumper, City of Miami, Bid #5245	1	\$13,426.00
		Bid Bond not requested	1	\$0.00
		Lance-2000 Chassis		\$23,570.00
		Seating Capacity, Cab	. 4	\$0.00
		Wheelbase		\$0.00
		Wheelbase - TBD		
16	0000070	GVW Rating		\$0.00
		GVW rating - 64,000lbs		
17	0000203	Frame Rails, 13.38 x 3.50 x .375, DLX/Qtm/Enf/AXT/Imp/Vel		\$696.00
		Frame Liner, Inv "L" 12.68" x 3.00" x .25", DLX/Enf		\$1,402.66
19	0091742	Axle, Front, Oshkosh TAK-4, Non Drive, 18,000 lb, DLX/Enf/Qtm/AXT		\$0.00
		Oil Seals, Front Axle		\$0.00
		Shock Absorbers, KONI, on TAK-4 DLX/Qtm/AXT/Enf/Imp/Vel	1	\$0.00
		Axle, Rear, Meritor RS24-160, 24,000 lb	1	\$163.00
		Top Speed of Vehicle		\$0.00
		Top Speed of Vehicle - 61 to 64		l
24	0000485	Oil Seals, Rear Axle		\$0.00
		Suspension, Front TAK-4, 18,000 lb, DLX/Enf/Qtm/AXT/Imp/Vel		\$17,864.00
		Suspen, Rear, Reyco, Spring, 24,000 lb		\$1,202.15
27	0010670	ABS Wabco Brake System, Single rear axle		\$0.00
28	0030185	Brakes, Knorr/Bendix 17", Disc, Frt, TAK-4, DLX/Enf/Qtm/AXT/Imp/Vel		\$0.00
29	0000730	Brakes, Meritor, Cam, Rear, 16.50 x 7.00"		\$0.00
		Engine Brake, Jacobs		\$3,439.96
		Switch, Engine Brake - a) Series 60		
31	0058463	Air Compressor, Brake, Bendix 15.8 CFM		\$0.00
		Brake Reservoirs, Three		\$0.00
		Air Dryer, Wabco System Saver 1200		\$0.00
		Brake Lines, Nylon		\$0.00
		Air Inlet, w/Disconnect Coupling		\$303.38
	200007	Location, Air Coupling(s) - a) DS Step Well		
36	0003155	Compressor, Air, Kussmaul 091-9 B-1 120V Brake Sys		\$1,019.84

	Γ	Location - high and out of the way on the front wall of compartment D5	_	
27	0000000		6	\$1,260.08
37	0000820	Moisture Ejector, Automatic, w/Heat		Ψ1,200.00
	0.5000.65	Location - all	1	\$18,755.55
		S60, 470 hp, 1650 torq, w/Jake, P/N 1466820, Dash/Lance, 2006 Allocated	1	\$0.00
		Air Intake, w/Ember separator, DLX	1	\$0.00
		Exhaust System, 5" Std.	1	
41	0049772	Insulation, Exhaust Blanket, Delivery Pipe	1	\$513.34
42	0511982	2006 Engine Allocation, Approval to Extend Reservation, per Sharon Moeller	1	\$1,694.76
		Clutch, Fan, Air Actuated, Horton Drive Master, 2002, DLX/AXT/Imp/Vel		\$0.00
		Filter, DDC Fuel Pro-382, w/Heater	1	\$1,075.50
		Heater, 1500 watt Immersion	1	\$404.21
		High Idle w/Electronic Engine, Custom	1	\$0.00
		Cooling Hoses, Silicone - Custom	1	\$0.00
		Radiator, DLX/Enf	1	\$0.00
49	0001125	Fuel Tank, 65 gal	1	\$0.00
50	0001129	Lines, Fuel	1	\$0.00
51	0001280	Fuel Pump for Repriming	1	\$360.00
		Label, "Diesel Fuel Only".	1	\$13.47
		Location - one each side		
53	0001292	Shutoff Valves (2), Fuel Line @ Filter	1	\$216.00
54	0010931	Driveline Safety Loop	2	\$568.57
55	0099727	Trans, Allison Gen IV 4000 EVS P	1	\$9,707.94
		Transmission, Shifter, 5-Spd, Push Button	1	\$0.00
		Trans, ratio - 4000 EVS, 5Spd		
57	0001475	Transmission Oil Cooler, Internal	1	\$0.00
		Warranty, 5-year EVS Transmission, Standard Custom	1	\$0.00
		Driveline, Spicer 1810	1	\$0.00
		Steering, Sheppard M110 w/tilt, TAK-4	1	\$0.00
		Tires, Goodyear, 385/65R22.50 18 ply G286 tread	1	\$443.46
		Wheels, Frt, Steel 22.50" x 12.25" (385/425)	1	\$395.91
		Tires, (4) Goodyear, 12R22.50 16ply high, G149 RSA	1	\$521.58
		Wheels, Rr, Steel 22.50" x 8.25" (12R22.50)	1	\$31.77
		Mud flaps, w/logo front & rear	1	\$0.00
66	0002043	Cab, Lance-2000, 3dr w/27" ext & 22" raised roof, Door Std Location, HDR	1	\$16,499.00
		Floor, Rubber Padded Cab & Crew Cab - DLX/Enf/AXT	1	\$0.00
		Window, Side of Crew Cab, Fixed, Lance	1	\$0.00
		No Windows, Front/Side of raised roof	<u> </u>	\$0.00
			1	-\$225.01
		Windows, Delete Rear of Crew Cab	1	\$402.86
		Window defrost fans (2) one ea side	1	\$402.86
72	0012123	Window defrost fans (2) one ea side, crew cab	1	ψτυΔ.60
	00000	Location - on the ceiling near the rear wall, facing forward		\$628.53
		Cabinet, Overhead 60Wx14Hx14D	1	\$821.19
		Cabinet, Under Desk, File 18" depth	1	
		Chair, Command (removable)	1	\$668.28
		Desk, L-shaped, Full Width	ᆜ	\$1,585.36
77		Light, Fluorescent, 120 Volt, Recessed Mount, Inside Cab	3	\$1,394.50
		Location - in the command area	_	0015.55
78		Shelf, Under Desk, Printer Mount	Ţ	\$245.75
		Location - TBD	_	444
79		Switch, Interior Lights, 120 Volt AC/12V Switch to Relay	1	\$208.50
		Inter Light Switch 12V - One Rocker	_	
80		Weather Station, Weatherpak-400	1	\$19,040.69
		Compt, Air Bottle One Side w/27" Extended	1	\$2,092.43
		Controls, Cab Doors, Electric Door Locks and Windows, Custom	1	\$1,878.80
		Logo/Emblem, on Horn Button	1	\$0.00
		Text, Row Three - D		

				т
ļ		Text, Row Two - B		+
	0004000	Text, Row One - T		1 9774.01
		Grille, Bright Finished, Formed, Front of cab,w/ Front Trim Band, DLX		1 \$774.01
		Fenders, S/S on cab, w/Radius corner, 2.00" wide		1 \$117.80 1 \$0.00
		Molding, Chrome on side of cab		
	0055141	Cab Lift, Elec/Hyd, DLX/Enf/AXT/QX, w/Remote, w/Manual Override		1 \$0.00
		Mirrors, Velvac, West Coast,		1 \$0.00
		Mirror, 8" Round Convex Below West Coast		1 \$0.00
		Bumper, 22" extended - all chassis'		1 \$181.29
		Gravel Pan, Extended Bumper		1 \$0.00
		Tow Eyes, Painted, Below Deck		1 \$277.18
93	0018017	Cab Interior vinyl - (w/Padded liner Pkg), DLX		1 \$664.95
ļ		Color, Cab Interior Vinyl - a) Silver/Gray		1 0000
94	0012430	Cab Interior, paint color		1 \$0.00
		Color, Cab Interior Paint - a) gray		
		Grab Handles, Driver & Officer door post		1 \$0.00
		Seat, Driver 911 Sciss Action Air Ride, Hi-Back, w/Removable Back		1 \$161.96
		Seat, Officer 911 Sciss Air Susp, High Back, All Chassis		1 \$120.95
		(No Radio Compartment)		1 \$0.00
		[No Rear Facing Crew Cab Seats]		1 \$0.00
100	0089667	Upholstery, Seats In Cab, All Imperial 1200, All 911		1 \$0.00
		Color, Cab Interior Vinyl - h) Gray/Black		
		No SCBA Brackets Required In Cab Seats		3 -\$221.98
-		Seat Belts, Red		1 \$0.00
103	0021754	Seat, Belt, Height Adjustment		\$0.00
104		Seat, Fold Up, Single		1 \$472.45
		Location - Center rear wall between outboard fold downs		
105	0012400	Seat, Fold Up, Lance 6-man cab, Pair		\$970.68
		Location - Outboard one each side rear wall crew cab		
		Side Roll Protection Package Not Required		1 \$0.00
		Warranty, Cab (Sab/DLX/Enf/AXT/Qtm w/fixed step/IMP/VEL)		\$0.00
		Lights, Engine Compt, (2), All Custom Chassis		\$0.00
109	0022733	Lights, Cab Inter, Officer and Driver Side, w/Weldon Dome Lights		\$112.24
		Lights, Weldon, Dome, (2), C/C, Red/Clear		\$0.00
111	0012288	Heater/defroster, DLX/Enf		\$0.00
112	0002293	No Heater in Crew Cab		\$0.00
113	0013090	Air Conditioning, LX, With Raised Roof, Standard '99 AC Pkg		\$588.85
114	0091293	3rd Evaporator Pkg, To increase performance, DLX/Enf/Qtm		\$1,243.53
115	0056077	Air conditioning, Coleman Polar Mach, 120V, Cab Roof, 10.63" High (Cool Only)		\$1,901.75
116	0526173	Cab Instruments, DLX, Color Display		\$1,716.26
117	0018987	Air Restriction Indicator - DLX		\$0.00
118	0012630	Wiper control, 2-speed w/intermittent, DLX/Enf/AXT		\$0.00
119	0032551	Light, Indicator, Cab Lock Downs,"Not Engaged"		\$279.24
		Radiation Detection System, Vehicle Mntd, Victoreen 1060 AM-V, San Fran Airport		\$8,372.49
121	0057521	Radio, Panasonic w/CD and NOAA Weatherband		\$1,599.25
		Location, AM/FM Radio - b) within reach of the officer		
		Antenna, AM/FM Radio - c) Roof-mounted rubber antenna		
		Speakers, AM/FM Radio - e)Three (3) pairs of speakers		
		Remote for AM,FM Radio - w)with remote control		
122		Radio, Installation Only, Customer Furnished, Two-Way Mobile	- 2	\$2,954.00
		Location - to be determined	_	
		Radio, 2-Wy, Single or Du - Dual 2-way radio head		
123		Antenna, Std and Add'l Mts Only, 2-way Radio, Cust, Spl Cable Routing		\$1,028.60
		Location 1 - as shown on the print		
		Location - the six will be mounted to the command desk. one obove officers seat will be		
1		routed to officer		
				•

				40.0
124	0002549	Switching, Cab Instrument & Overhead, Membrane		\$0.0
		Location, Emerg Switch - a) driver's	<u> </u>	\$1,005.8
		Command Zone, Advanced Electronics and Control System, DLX		\$614.1
126	0090515	Hitch, Receiver, Front, Custom Chassis		
127	0090523	Winch, Warn, 9,000 lb. Portable Receiver Type	<u> </u>	\$838.1
	0098841	Batteries, (6) Deka Grp 31, 1000 CCA each, Threaded Stud		\$0.0
	0008621	Battery System, Single Start, All Custom Chassis		
130	0012696	Battery Compartment, Lan 3dr/No door command cab		\$1,132.6
131	0091826	Charger, Sngl system, 75 AMP, Charger and Power Supply		\$0.0
132	0012782	Location, Charger, Front left body compt		\$0.0
		Location - adjacent to the compressor in D5	<u>. </u>	\$140.1
		Battery "On" Indicator (Center Marker Lt)		
134	0009429	Electric Power Only, Portable Winch Location - each side of the unit. front, rear, right and left. The front shall be located in		\$337.9
		the hydraulic connection compartment.		\$235.7
		Jumper Studs, Under Front Bumper		\$304.5
136	0012717	Kussmaul Auto-Eject Receptacle, 15amp (eng heater)		4504.5
		Location - above the front DS wheel		
	2012526	Color, Kussmaul Cover - c) white		\$239.8
		Light, Battery Charging Receptacle "Charging" Indicator		
		Alternator, 400 amp Niehoff C656		\$479.6
139	0012/39	Terminal Strip (12VDC), (5) w/grd, "Battery Direct		\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1.40	0022014	Location - command desk		\$227.0
140	0033014	Wiring, Spare, Pair, Each, Third Circuit Location - TBD		- +==::
		12vdc power from - a) battery direct		
		Fuse, 12VDC - d)20 amp breaker		
		Wire termination - p) 15 amp power point plug		
141	0090207	Wiring, Spare, Pair, Each		\$196.0
141	0090207	Location - TBD		
		12vdc power from - b)switched battery	·- ·- · · · · · · · · · · · · · · · · ·	
		Fuse, 12VDC - d)20 amp breaker		
		Wire termination - t) terminal strip		1
1/2	0090316		,	2 \$227.0
172	0070510	Location - TBD		
		12vdc power from - a) battery direct		
		Fuse, 12VDC - c)15 amp breaker		
		Wire termination - p) 15 amp power point plug		1
143	0092582	Load Manager/Sequencer, MUX		\$0.0
143	0072302	Enable/Disable Hi-Idle - e)High Idle enable		
144	0024056	Amp Draw Report, NFPA 2003 Edition		\$0.0
		Amp Draw, NFPA Radio Allowance		\$0.0
		Cab Lighting, LED, DLX		\$520.4
		Front Directionals, Whelen 600 Arrow LED w/Cast1L Bezel, Below Headlights		\$163.9
		No Lights Req'd, Front Zone Low, DLX		1 \$0.0
	0077011	Light, Front Zone, Whelen Super 600 LED, 2pr, Q Bezel, Qtm/Enf/AXT		\$841.1
- 172	0077011	Color, Whin Sup600 LED,OUT - a) rd/rd		
		Color, Whin Sup600 LED, INN - a) rd/rd		
150	0005910	Alarm, Back-up Warning, ECCO SA917-PM2		1 \$0.0
		Camera, Safety Vision, SV-CLCD65-620, Kit, 6.8 LCD Color Monitor, Audio		\$1,685.6
1,71	0001000	Location - center dash		
152	0031972	Manuals, Two (2), Fire Apparatus Parts, Custom Chassis		1 \$0.0
153	0002905	Manuals, Two (2), The Apparatus Faces, Custom Manuals, Two (2) Chassis Service, Custom		\$0.0
		Manuals, Two (2) Chassis Operation, Custom		1 \$0.0
	0095863	Warranty, Command Zone Components, Chassis, 5 years	<u> </u>	\$0.0
1 1 1 1	0077007	Electrical Diagrams, 12V As-Built on CD, Custom Chassis HDR/Aerial		1 \$3,808.0

	т	In: Half Carlotter	<u> </u>	
<u> </u>		Diagrams, Hard Copy - One hard copy		
		Mult Trk Cr, Cust HDR/Aer - Two (2) Truck Order	1	\$15,784.00
		HDR, Non-Walkin, Aluminum		
		22.5' Body Length, 36.48.48.57.60, NWI	1	
		98" Body Height, NWI	1	
		98" Height, Straight Roof, NWI	1	
161	0041755	22.5' Body Roll Doors, 36.48.48.57.60, NWI, Gortite	5	\$329.59
	<u></u>	Latch, Gortite, Roll-up - locking, match all comp.	ļ <u>.</u>	
		Color,Gortite,Roll-upDoor - Satin finish		1015(100
		Left Forward Compt, 36" & 48" & 48" Roll, NWI	1	\$24,761.00
		Left Over Wheel Compt, 57", Roll, NWI	1	\$0.00
164	0018752	Left Rear Compt, 60" Roll, NWI	1	
165	0013087	Right Forward Compt, 36" & 48" & 48", Roll, NWI	1	\$0.00
166	0018816	Right Over Wheel Compt, 57" Roll, NWI	1	· · · · · · · · · · · · · · · · · · ·
167	0018844	Right Rear Compartment, 60" Roll, NWI	1	
168	0042154	Rear Compt, 98" Ht., Roll, 60" Side Compt, NWI, Gortite	1	\$0.00
		Latch, Gortite, Roll-up - locking, match all comp.		
		Color, Gortite, Roll-upDoor - Satin finish		
169	0087244	MODIFICATION, Hatch Covers, Install D-Ring Handles IPO Plunger/Sockets	1	\$350.65
- 197		Location - roof hatch compartments		
170	0074506	No Switch (74505) Required, HDR-NW	1	\$0.00
		A/C, Roof Mounted, Carrier w/ Heat, Low Profile, 7.5" H, AirV Model	2	\$4,645.97
		Mast, Will-Burt, 6-25 Mast Only for Camera, w/D-Tect System, Heavy Duty	1	
1/2	0063770	Color, Solid Surface - *		
		Location - Rear body		
172	0120061	Ikegami Camera w/ Pelco Enclosure	1	\$6,902.74
1/3	0120961		 	ψο,>οΣ
154	0512020	Location - Rear body DS	2	\$1,896.26
174	0513920	Monitor, Liquid Crystal Display (LCD), 15"		\$1,090.20
	0045055	Location - Crew Cab	1	\$621.87
175	0045066	Aluminum 4-way, Body Corners, 20" High, pair	1	\$021.67
		Location - rear	1	\$234.44
		Aluminum 4-way, Body Rear, 6" High	1 2	
177	0052173	Awning, Side of Body, Zip Dee Brand		\$4,098.18
		Location - Each side of body		
		Color - 17)burgundy		01 521 72
		Hitch, Receiver, Rear/Sides, Through Body, Includes Ball	1	
179	0033977	Ladder, Access, Zico Quic-Ladder, Model RL-2-6	1	\$1,651.82
		Location - Center rear body		
180	0043762	Compt, Divider, Vertical	3	\$743.74
		Location - TBD, by customer		
181	0519143	Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits	1	\$2,308.87
		Dimensions - Room for eight suit's TBD		
		Configuration - TBD		_
		Location - DS body		
182		Rack, Tool Boxes on Slide Master Tray, 62" Deep	1	\$2,152.57
-102		Configuration - 3 deep by 2 high, front and rear		
		Location - compartment P3		
183		Shelf, Adjustable, Alum	6	\$670.98
103	UUTJ244	Location - three in compartment P4 to the rear of the vertical divider and three shipped	<u>_</u>	
İ		loose for 16129-01		1
104	0510010		1	\$970.10
184	0219019	Storage Cabinet, for 5-Gal Bucket w/Latching Container, Sealed	<u></u>	Ψ2/0.10
		Dimensions - Large enough for 5 gallon bucket		
		Location - Body compt.	1	\$2.661.00
185		Tool Board, Slide-Out, .188" Alum, 62" Long	4	\$3,661.00
ļ		Location - TBD		60.100.00
186	0054092 l	Tool Board, Swing Out, 188" Alum	2	\$2,122.08

188 00	045043	Location - compartment P5. There shall be one mounted on the front wall and one on the rear so that they open like a cabinet. They shall be sized and located to fit two air packs on each side of each toolboard.		
188 00	045043	* *]
188 00	045043	nacks on each side of each toolboard.		
188 00	045043			40.450.00
		Tray, Slide Out, Floor Mounted, (500 lb)	3	\$2,479.80
		Location - One in P5, D5, and D1		
189.00	045053	Tray, Tilt, Slide Out, 22.00", 30 deg. (200 lb)	3	\$2,334.28
189 00		Location - compartment D2, D3, D1		
1 107100	045068	Bumper, Rear Non- Walkin 13.00" D x 90.00" W	1	\$0.00
190 00	028107	No Foam Cell	1	\$0.00
191 00	079897	Tow Eyes, Four Each Side, Direct to Cpt. Platform, Under Body, HDR	1	\$1,064.64
		Box, Poly Tool, 22"L x 10" W x 10" D	10	\$2,158.39
		Location - TBD		
193 00	034000	Louver, Additional, Per Compt	10	\$929.67
		Location - in the recessed walkway for the hatch compartments		
194 00	024016	Rubrail, Alum Extruded, Side & Rear of Body	1	\$198.86
		Rear Fender Crowns, S/S, Two Pair	1	\$1,223.36
		Hose, Hard Suction, Not Required, No Pump	1	\$0.00
		Compt, Air Bottle in Fender Panel, Dbl Wide	8	\$4,572.00
***		Location, Bracket/comp frt/rr both sides		
198 00		Storage Bin, Air Bottle	8	\$1,002.43
170,00		Configuration - TBD Miami		
		Location, Bracket/comp City of Miami 1 hour bottle holder 8		
100 00		No Folding Ladder Req'd	1	\$0.00
		Bell, 12" Chrome w/Eagle	1	\$1,315.95
200 00		Location, Acc. Misc b) passenger's side		
201 00		Step, HDR Pull-Out Rear	1	\$0.00
201 00		Location - Center		
202 00			1	\$0.00
		No Pump Required	<u></u>	\$0.00
		No Plumbing Required, No Pump	1	\$0.00
		Plumbing without Foam System	1	\$0.00
		Warranty Not Req'd, No Plumbing	1	\$0.00
		Inlet Installation Not Req'd	1	\$0.00
		No Inlet Control Req'd	<u>1</u>	\$0.00
		No 2.5" Outlets Reg'd On The Driver's Side	1	
		No Outlet Req'd RH Side	1	\$0.00
		No Large Diameter Discharge, No Pump	1	\$0.00
		No Foam System Required	1	\$0.00
		CAF Compressor Not Required, No Foam System	1	\$0.00
		Foam System Demonstration Not Required	1	\$0.00
		No Foam Tanks Required	1	\$0.00
215 00	091110	No Foam Tank Drain	1	\$0.00
216 00	091079	No Foam Tank #2 Required	1	\$0.00
217 00	091112	No Foam Tank Drain	1	\$0.00
218 05	518339	No Pump House Required, Rescue	1	\$0.00
219 00	000261	Pump Panel Layout Not Req'd	1	\$0.00
220 00		Panel, Pump and Gauge, Material Not Req'd, No Panel	1	\$0.00
221 00		Pump House Structure, N/A	1	\$0.00
		No Chassis Engine Gauges @ Pump Panel	1	-\$304.33
223 05	511078	Gauges, 4" Master - Class 1, 30"-0-600psi	1	\$0.00
224 05	511100	Gauge, 2.0" Pressure - Class 1, 30"-0-400psi	1	\$0.00
		No Foam Level Gauge Req'd	1	\$0.00
226 00		No Light Shield, No Pump	1	\$0.00
		Wiring, DLX/QX	1	\$0.00
		Lights, Step (4), Truck-Lite, LED Model 44 w/ 60 Degree Bezel	1	\$371.89
		Lights, Tail, Whelen 60R00XRR LED Stop/Tail, 60A00TAR Amber, LED, Pop Arrow		
229 00:	139828 T	Dir	1	\$674.32

		Flange Kit, 2pr - w/with a flange		
220	0062085	Lights, Backup, Whelen 600, LED,maximum	1	\$902.13
230	0002983	Flange Kit, Whelen 6E - w/o)6E or 64 Flange Kit		
221	0000155	Lights, Identification/Clearance, Rear, Truck-Lite, 35 LED	1	\$171.58
231	0090133	Light, Map w/Goose Neck, Sunnex w/Clear lens	5	\$983.57
232	10012401	Location - one (1) next to the "A" post on the officer's side of the dash, four (4) on the		
		command desk		
222	0027182	Light, Marker End Outline, Rubber Arm, Marker Lamp	1	\$108.45
233	003/102	Location, lights - the rear most sides of the body		
234	0068678	Light, Directional/Marker, Intermediate Light, Truck-Lite Model 60115Y LED, IPO	1	\$115.88
234	0064768	Light, Directional/Marker, Intermediate Light, Truck-Lite Model 30 LED, IPO, MUX	1	\$197.57
		Light & Buzzer, Do not move apparatus, Custom	1	\$83.54
237	0004024	Messages, Open Door/Do Not Move Truck - DLX/QX	1	\$0.00
238	0064343	Lights, Compt, Krystal-lite, Super Brite, IPOS, Roll up doors	10	\$1,028.60
238	0004343	Location - Two each compt		
230	0059670	Lights, Compt, Truck-Lite 44207C, LED Additional, Adj Track Mounts	9	\$1,086.00
237	0037070	Location, lights - one each compt.	-	
240	0091941	Perimeter Scene Lights, Cab Exit Areas, Trucklite 44042C, LED	1	\$607.23
240	0091741	Cab, Perimeter Scene - Cab, 3dr Custom		
241	0045944	Lights, Perimeter scene, (6) under Body	1	\$736.23
241	0043344	Switch, Location, Perim - cab & rear of body		
242	0067700	Lights, Scene, Whelen 900 Gradient Opti-Scene	4	\$1,718.00
242	0007790	Location, lights - one (1) each side of cab, (1) pair each seide of body, one (1) pair on		
		rear of body as shown on drawing		
 	 	Switch, 4 Scene Cntrl, Dr - a) no switch control		
		Switch, 1 Scene Cntrl - d)ds & os switch		
		Switch, 2 Scene Cntrl - n) no additional control, 2		
		Switch, 3 Scene Cntrl - n) No additional control, 3		
		Flange Kit - w)with flange		
243	0015967	Lights, Scene, Zico ZQL-RV-H7614, White ABS Side, Pair	1	\$484.62
2.5	0010701	Location, lights - in the fender panel forward of both axles		
		Switch, Scene Lt Cntrl - a)driver sw panel		
244	0004961	Lights, Work, HDR Rear(Not Required)	1	\$0.00
	0075992	Handheld Cab Spotlight, Specialty Lighting 2150-1	1	\$301.80
		Location, lights - officer side of dash, exact location to be determined		
246	0016030	Handlight, Streamlight, LiteBox, 12v, Yellow	2	\$676.37
		Location, lights - in the command cab inside the PS door		
247	0510970	Camera, Rear Vision, Safety Vision SV-620 Command Zone Display	1	\$830.84
248	0066052	Air Horns, (2) Grover in Bumper Outside Frame	1	\$784.91
		Location, Air Horn (bmpr) - one each side		
249	0016064	Horn Button and Pass. Side Push Button	1	\$324.71
250	0006125	Siren, Federal PA300MSC 100/200 Watt	1	\$237.30
	0016133		1	\$0.00
252		Switches, Horn Button and Officer Toe - For Elect Siren	1	\$0.00
		Speaker, Cast Product SH3015, recess bumper, KwT300	2	\$909.11
		Connection, Speaker - siren head	<u> </u>	
254	0067164	Lightbar, Whelen, Freedom, FN**QLED, 8-R LED, 2-C LED, 2-RC LED	1	\$3,151.46
		Length, Wln Lightbar - 77"		
255	0006507	Flasher, Headlight Alternating, DLX/QX	1	\$73.16
		Headlt flash deactivation - b)w/any head lights	<u> </u>	
256	0077410	Lights, Side, Whelen, Super 900 LED®	1	\$719.43
		Location, lights - upper middle of the body		
		Color, Whin Sup900 LED - a) rd/rd		
		Control, light - b) side warning		
, ,			1	1
		Flange Kit - w)with flange	<u> </u>	\$1,967.02

	T	I tion Troffic I t Cotty h) avrival brookst		<u> </u>
	 	Location, Traffic Lt Cntr - b)swivel bracket Activation, Traffic Dir L - c)with the control head		
<u> </u>	ļ	Mount, Traffic Dir Lt - r)recessed		
250	0076752	Light, Side Zone Lower, Whelen Super 600 LED, Over 25 Foot Gap, 3pr		1 \$904.61
258	00/0/33	Location, lights rear - Low in bezel	<u></u>	1 0,01.01
ļ		Location, lights mid - rear cab area		
<u> </u>		Color, Whin Sup600 LED, MID - a) rd/rd		
<u></u>		Color, Whin Sup600 LED, FRT - a) rd/rd		
		Color, Whin Sup600 LED, BCK - a) rd/rd		
		Location, lights frt side - b)each side bumper		
		Flange Kit, 3pr - w/3 pr flange kits		1 00.00
259	0016380	No Additional Lights Req'd, Side Zone Upper		1 \$0.00
260	0076758	Lights, Rear Zone Lower, Whelen Super 600 LED		1 \$94.09
		Color, Whin Sup600 LED - a) rd/rd		
		Flange Kit - w)with flange		1 04 407 00
261	0076775	Light, Rear/Side Upper Zone, Whelen 6-Super 900 LED & 2-Super 500 LED		1 \$4,407.00
		Location - TBD		
		Color, Whin Sup900 LED, FRT - a) rd/rd		
		Color, Whln Sup900 LED, BCK - e) bl/bl		
<u></u>		Color, Whln Sup900 LED - i) DS bl/bl, PS rd/rd		
		Color, Whln Sup500 LED - i) DS rd/rd, PS bl/bl		
		Flange Kit, 3pr - w/3 pr flange kits		
		Lights, No lights Req'd, Rear Upper Zone Blocking		1 \$0.00
263	0006646	Electrical System, A/C, General Design		1 \$0.00
		Onan Protec 30 kW, 1PH, PTO Drive w/XRT PTO (30,000W Cont. Rating)	_	1 \$14,361.00
		Location, PTO Generator, Between the Frame Rails		1 \$0.00
		Starting Switch for Truck Engine Powered Generator		1 \$0.00
267	0016757	Remote Start Not Req'd for Generator		1 \$0.00
		Fuel System, None Required		1 \$0.00
269	0016767	Oil Drain Extension Not Req'd for Generator		1 \$0.00
270	0016771	Routing Exhaust Not Req'd for Generator		1 \$0.00
271	0036738	Circuit Breaker Panel, Included With PTO Generator		1 \$0.00
		Location, CB Panel - compartment D5		
272	0007138	Fire Research, 750W Saber/Dash/Lance Visor, S75 Focus		1 \$874.39
273	0017863	FRC, 750W, Tripod, Focus Lt. Head, FC600-S75, 120 volt		2 \$2,934.83
		Location, 120/240 Volt Lt - one (1) each side rear of body		
		Type of Electrical Plug - d) 20 amp twist-lock		
274	0026188	Fire Research, 1000W FC200 Focus, Recessed		5 \$5,016.10
		Location, 120/240 Volt Lt - two (2) on each side of the body in the upper side sheet /		
		two at rear body		
275	0006812	Switch, Remote for Flood Light		4 \$1,589.87
		Location - both brow lights		
		Location, Switch - a) cab		
276	0085200	Will-Burt Night Scan Powerlite Mod NS10-9000 OPT, Dual Tilt Std. (NEW)		1 \$15,334.00
- 2,0		Location, 120/240 Volt Lt - TBD		
		Location - TBD		
277		Reel, Elec Four (4) Wire - Hannay 1600 Series		2 \$4,043.17
2//		Location, Cord Reel - one (1) in compartment D1 and one (1) in compartment P5		
		Reel Guide - b) Captive roller		
270		Cord, Electric, 10/4 Yellow		2 \$1,793.79
2/0		Connection, Cord - 20 amp connector		
				+
270		Feet of Yellow Cord - e)200 Pay Junction D. Woodhood 2200 3, 4 120TL 20 A		\$1,856.65
2/9		Box, Junction - D. Woodhead 3290-3, 4-120TL, 20 A		Ψ1,050.05
		Connection, Cord - direct		2 \$687.15
280		Holder, Junction Box		Φ007.13
		Location - same compartment as the electric reels		ــــــــــــــــــــــــــــــــــــــ

281 008670	Receptacle, 15A 120V 3-Prong, Str Blade W/Cvr, Duplex	3	\$699.27
261 008079	Location, Receptacles - side by side against the back wall of compartment P4 in the		· · · · · · · · · · · · · · · · · · ·
	right middle pelican box rack		
282 0076629		12	\$2,780.93
282 00 7002	Location, Receptacles - Cab		
292 000670	Receptacle, 20A 120V 3-Prong Twistlock	4	\$932.37
283 0000 / 90	Location, Receptacles - one adjacent to the circuit breaker panel, one on the rear of the		
	body, one on each side in the wheel wells below the SCBA compartments		
201000570		2	\$1,079.23
284 0006795	Receptacle, 20A 220V 3 Prong Twist-Lock		Ψ1,077.23
	Location, Receptacles - two in the rear compartment (one on each side of the rear wall		
	up high for dealer supplied power units.)		\$231.74
285 0066622		- 1	\$231.74
	Location, Receptacles - forward wall of compartment D4		¢(24.01
286 0507624		1	\$624.91
	Connection, Shoreline - TBD		
	Color, Kussmaul Cover - b) red		A50.05
287 0026800		1	\$73.97
	Location, Shoreline (s) - 25) DS Cab Side		
288 0036804	Light, Indicator, Shoreline Inlet Powered, Green	1	\$175.62
289 0036802	Sub Feed Breaker Box, For Shoreline	1	\$210.17
	Location, CB Panel - next to the breaker box		
290 0036800		1	\$485.44
	Connection, Transfer Swit - TBD		
291 0026890		1	\$1,984.31
271 0020070	Location - Body compt. TBD		
	Reel Guide - a) Nylatron guide		
202 051993/	Brand, Hydraulic Tool System, Not Req'd	1	\$0.00
	Hose, Hydra., Blu/Blu Holmatro 12', P.U.to Reel	1	\$942.87
293 000 7000	Hose, Hydra., Polyflex, 30'-40', 10K, (Mineral Oil), P.U.to Reel	1	\$1,089.34
294 0001000	Brand, Model, of Equip - TBD		
	Color, Hydraulic Hose 2 - d) red/black		
	Color, Hydraulic Hose 1 - d) red/black		
20.5 000.600	Color, Hydraulic Hose 3 - n) no hose required	1	\$1,689.57
295 0006990			Ψ1,002.37
	Brand, Model, of Equip - TBD		
	Location - TBD by customer		
	Reel Guide - b) Captive roller		\$0.00
296 0007150	Bag of Nuts and Bolts		\$0.00
	Qty, Bag Nuts and Bolts - 1		Ф 7 00 16
297 0007210	Paint, Two Tone, Cab, Custom Cab/Commercial Cab	1	\$722.18
	Paint Color, Upper Area - White, Miami FL #10		
	Paint, Color - Red, Miami, FL #90		
298 0017241	Paint Chassis Frame Assy. Black, Std.	1	\$0.00
299 0065653		1	\$0.00
	Compartment, Unpainted, D/A Finished	1	\$0.00
300 000.22	Location - all compartments		
301 0068338		1	\$440.31
301 0000330	Color, Reflect Band - A - i) gold		
	Color, Reflect Band - B - t) gold		
	Color, Reflect Band - C - w) white		
202 000725	Reflective across Cab Face	1	\$0.00
			\$0.00
303 0065687	Stripe, Reflective, Cab Doors Interior		Ψ0.00
	Color, Reflective - k) light blue	1	\$0.00
304 0030076	Lettering Specifications, Vinyl/Painted		
305 0077246	Lettering, Reflective 4" w/outline & shade (61-80)	1	\$1,015.91
306 0087256	Bracket, Channel for Dept Number Placard	4	\$317.97

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<u> </u>		Location - per print	52	Ø1 442 46
307	0047028	Lettering, Reflective, Roll-up Doors, More	52	\$1,442.46
		Location, Lettering - Side body		
		Size, Lettering, Reflect - 06		
		Color, Lettering - a) white		
308	0067255	Lettering, Reflective 8" w/shade & outline (1-20)	1	\$418.68
		Location, Lettering - TBD		
		Color, Outline/Shadow - a) black		
		Color, Lettering - a) white		
309	0025800	Lettering, Reflective 10" w/shade & outline (21-40)	1	\$834.57
		Color, Outline - Black		
		Location, Lettering - TBD		
		Color, Outline/Shadow - a) black		
		Color, Lettering - a) white		
310	0087267	Plate, Painted Alum. for Lettering	4	\$477.78
		Size - 10x10x1/8 match 14300 Miami FL		
		Location - four sides		
311	0516701	Emblem, American Flag Painted on Cab Grille, All Custom Chassis	1	\$988.05
		Emblem, Eagle #2 w/Emblem, Color Imaged, Pair	1	\$309.10
		Location, Emblem - one each side body		
		Size, Color Imaged Seals - c)		
313	0049183	Emblem, "Freedom Flag", Color Imaged, 18" Wide, Pair (mirror images)	1	\$164.79
		Location, Emblem - TBD		
314	0077034	Emblem, Eagle in Flight, 16.50H x 11.00W, Pair	1	\$478.31
		Inspection Trips 3	1	INCLD
316				
			Total:	\$564,576.53

Florida Sherrif's Association Fire Rescue Bid 05 06 0823



Component List

Customer: Representative: Organization:

City of Miami Michael Schneider

Ten-8 Fire Equipment, Inc

Bid Number: **DB** Version: **Bid Date:**

5245 Pierce. 220164 8/30/2007

Job Number:

Contract Admin: Description:

HDR, HazMat

Body:

HDR, Non-Walkin, Aluminum

Lance-2000 Chassis Chassis:

Line	PRIDE #	Type	Component	Qty	
1	0000002		Boiler Plates, Heavy Duty Rescue	1	
2	0018007		Single Source Compliance	1	
3	0028079		Match Not Required	1	
4	0062301		Comply NFPA 1901 Changes Effective Jan 1, 2004	1	
5	0008036		Career/Paid Department	1	
6	0588627		Agency, Apparatus Certification, Rescue, U.L.	1	
7	0588614		Vehicle Certification, Rescue	1	
8	0588609		Vehicle Destination, US/Export	1	
9	0021007		Maximum Overall Height Size - 140"	1	
10	0000007		Approval Drawing	1	
11	0519048	PSC	Warranty, Custom Chassis, 5 year bumper to bumper, City of Miami, Bid #5245	l	
12	0030006		Bid Bond not requested	1	
13	0060006		Lance-2000 Chassis	1	
14	0000109		Seating Capacity, Cab	4	
15	0000110		Wheelbase - TBD	1	
16	0000070		GVW Rating GVW rating - 64,000lbs	1	
17	0000203		Frame Rails, 13.38 x 3.50 x .375, DLX/Qtm/Enf/AXT/Imp/Vel	1	
18	0518657		Frame Liner, Inv "L" 12.68" x 3.00" x .25", DLX/Enf	1	
19	0091742		Axle, Front, Oshkosh TAK-4, Non Drive, 18,000 lb, DLX/Enf/Qtm/AXT	1	
20	0000322		Oil Seals, Front Axle	1	
21	0087572		Shock Absorbers, KONI, on TAK-4 DLX/Qtm/AXT/Enf/Imp/Vel	1	
22	0000350		Axle, Rear, Meritor RS24-160, 24,000 lb	1 .	
23	0000469		Top Speed of Vehicle Top Speed of Vehicle - 61 to 64	1	
24	0000485		Oil Seals, Rear Axle	1	
25	0091744		Suspension, Front TAK-4, 18,000 lb, DLX/Enf/Qtm/AXT/Imp/Vel	1	
26	0010557		Suspen, Rear, Reyco, Spring, 24,000 lb	1	
27	0010670		ABS Wabco Brake System, Single rear axle	1	
28	0030185		Brakes, Knorr/Bendix 17", Disc, Frt, TAK-4, DLX/Enf/Qtm/AXT/Imp/Vel	1	
29	0000730		Brakes, Meritor, Cam, Rear, 16.50 x 7.00"	1	
30	0001220		Engine Brake, Jacobs Switch, Engine Brake - a) Series 60	1	
31	0058463		Air Compressor, Brake, Bendix 15.8 CFM	1	
32	0000785		Brake Reservoirs, Three	1	
33	0010787		Air Dryer, Wabco System Saver 1200	1	
34	0000790		Brake Lines, Nylon	1	
	0000854		Air Inlet, w/Disconnect Coupling	1	
			Location, Air Coupling(s) - a) DS Step Well		
36	0003155		Compressor, Air, Kussmaul 091-9 B-1 120V Brake Sys Location - high and out of the way on the front wall of compartment D5	1	

7/3/2007

Rev B

37 0000820 Moisture Ejector, Automatic, w/Heat Location - all	Line	PRIDE#	Type	Component	Qty
38 0509367 PSC S60, 470 hp, 1650 torq, w/Jake, P/N 1466820, Dash/Lance, 2006 Allocated Air Intake, w/Ember separator, DLX Insulation, Exhaust Blanket, Delivery Pipe 1 1 1 1 1 1 1 1 1				Moisture Ejector, Automatic, w/Heat	6
Air Intake, w/Ember separator, DLX					
39 0031055	38	0509367	PSC	S60, 470 hp, 1650 torq, w/Jake, P/N 1466820, Dash/Lance, 2006 Allocated	Pierce
1 0049772	39	0031055		Air Intake, w/Ember separator, DLX	
42 0511982 PSC 2006 Engine Allocation, Approval to Extend Reservation, per Sharon Moeller 1 1 1 1 1 1 1 1 1	40	0002880		Exhaust System, 5" Std.	1
Clutch, Fem, Air Actuated, Horton Drive Master, 2002, DLX/AXT/Imp/Vel Filter, DDC Fuel Pro-382, w/Heater	41	0049772			1
Filter, DDC Fuel Pro-382, wHeater	42	0511982	PSC		1
Heater, 1500 waft Immersion	43	0035723		Clutch, Fan, Air Actuated, Horton Drive Master, 2002, DLX/AXT/Imp/Vel	1
High Idle w/Electronic Engine, Custom	44	0031260		Filter, DDC Fuel Pro-382, w/Heater	1
47 0001091 Cooling Hoses, Silicone - Custorm 1 48 0011104 Radiator, DLX/Enf 1 1 1 1 1 1 1 1 1	45	0001302		Heater, 1500 watt Immersion	1
Radiator, DLX/Enf 1 1 1 1 1 1 1 1 1	46	0001244		High Idle w/Electronic Engine, Custom	1
49 0001125	47	0001091		Cooling Hoses, Silicone - Custom	1
Social Content September	48	0011104		Radiator, DLX/Enf	1
Social Content	49	0001125		Fuel Tank, 65 gal	1
Section Content Content Section Sect	50	0001129		Lines, Fuel	_
Decation - one each side Shutoff Valves (2), Fuel Line @ Filter 1 1 2 2 2 2 2 2 2 2	51	0001280		Fuel Pump for Repriming	
Shutoff Valves (2), Fuel Line @ Filter	52	0051290		Label, "Diesel Fuel Only".	1
Driveline Safety Loop 2 2 5 5 0099727 Trans, Allison Gen IV 4000 EVS P 1 1 1 1 1 1 1 1 1				Location - one each side	
1	53	0001292		Shutoff Valves (2), Fuel Line @ Filter	
Transmission, Shifter, 5-Spd, Push Button	54	0010931			
Trans, ratio - 4000 EVS, 5Spd 57 0001475 Transmission Oil Cooler, Internal 1 58 0046369 Warranty, 5-year EVS Transmission, Standard Custom 1 59 0001375 Driveline, Spicer 1810 1 60 0030179 Steering, Sheppard M110 w/tilt, TAK-4 1 61 0001630 Tires, Goodyear, 385/65R22.50 18 ply G286 tread 1 62 0001656 Wheels, Frt, Steel 22.50" x 12.25" (385/425) 1 63 0506574 Tires, (4) Goodyear, 12R22.50 16ply high, G149 RSA 1 64 0001903 Wheels, Rr, Steel 22.50" x 8.25" (12R22.50) 1 65 0002045 Mud flaps, w/logo front & rear 1 66 0002083 Cab, Lance-2000, 3dr w/27" ext & 22" raised roof, Door Std Location, HDR 1 67 0032100 Floor, Rubber Padded Cab & Crew Cab - DLX/Enf/AXT 1 68 0042102 Window, Side of Crew Cab, Fixed, Lance 1 69 0012090 No Windows, Front/Side of raised roof 1 70 0012094 Windows, Delete Rear of Crew Cab 1 71 0012122 Window defrost fans (2) one ea side 1 72 0012123 Window defrost fans (2) one ea side, crew cab 1 1 Location - on the ceiling near the rear wall, facing forward 1 73 0032269 Cabinet, Under Desk, File 18" depth 1 74 0052298 Cabinet, Under Desk, File 18" depth 1 75 0072274 Chair, Command (removable) 1 76 0021383 Desk, L-shaped, Full Width 1 77 0032226 Light, Fluorescent, 120 Volt, Recessed Mount, Inside Cab 1 78 0082299 Shelf, Under Desk, Printer Mount 1 10 Location - in the command area 2 78 0082299 Shelf, Under Desk, Printer Mount 1 10 Location - TBD 5 79 0052226 Switch, Interior Lights, 120 Volt AC/12V Switch to Relay 1 1 Inter Light Switch 12V - One Rocker 1 80 0062270 Weather Station, Weatherpak-400 1 1 Compt. Air Bottle One Side w/27" Extended 1	55	0099727			
57 0001475 Transmission Oil Cooler, Internal 1 58 0046369 Warranty, 5-year EVS Transmission, Standard Custom 1 59 0001375 Driveline, Spicer 1810 1 60 0030179 Steering, Sheppard M110 w/tilt, TAK-4 1 61 0001630 Tires, Goodyear, 385/65R22.50 18 ply G286 tread 1 62 0001656 Wheels, Frt, Steel 22.50" x 12.25" (385/425) 1 63 0506574 Tires, (4) Goodyear, 12R22.50 16ply high, G149 RSA 1 64 0001903 Wheels, Rr, Steel 22.50" x 8.25" (12R22.50) 1 65 0002045 Mud flaps, w/logo front & rear 1 66 0002083 Cab, Lance-2000, 3dr w/27" ext & 22" raised roof, Door Std Location, HDR 1 67 0032100 Floor, Rubber Padded Cab & Crew Cab - DLX/Enf/AXT 1 68 0042102 Window, Side of Crew Cab, Fixed, Lance 1 69 0012090 No Windows, Front/Side of raised roof 1 70 0012123 Window defrost fans (2) one ea side 1 70 00	56	0011477			1
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71 0012122 Window defrost fans (2) one ea side 1 72 0012123 Window defrost fans (2) one ea side, crew cab					1
72 0012123 Window defrost fans (2) one ea side, crew cab	70			,	l 1
Location - on the ceiling near the rear wall, facing forward 1	71				1
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Desk, E-shaped, Full Width Tourish Touri					1 1
Location - in the command area 78 0082299 Shelf, Under Desk, Printer Mount Location - TBD 79 0052226 Switch, Interior Lights, 120 Volt AC/12V Switch to Relay Inter Light Switch 12V - One Rocker 80 0062270 Weather Station, Weatherpak-400 81 0022273 Compt, Air Bottle One Side w/27" Extended					•
78 0082299 Shelf, Under Desk, Printer Mount	77	0032226			3
Location - TBD Switch, Interior Lights, 120 Volt AC/12V Switch to Relay 1 Inter Light Switch 12V - One Rocker 80 0062270 Weather Station, Weatherpak-400 1 81 0022273 Compt, Air Bottle One Side w/27" Extended 1					1
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Inter Light Switch 12V - One Rocker 80 0062270 Weather Station, Weatherpak-400 1 81 0022273 Compt, Air Bottle One Side w/27" Extended 1					1
80 0062270 Weather Station, Weatherpak-400 1 81 0022273 Compt, Air Bottle One Side w/27" Extended 1	79	0052226			1
81 0022273 Compt, Air Bottle One Side w/27" Extended				•	1
					1
82 0099178 Controls, Cab Doors, Electric Door Locks and Windows, Custom					1
	82	0099178		Controls, Cab Doors, Electric Door Locks and Windows, Custom	1

	PRIDE # 0077229	Type	Component Q Logo/Emblem, on Horn Button	<u>ty</u>
03	0011227		Text, Row Three - D	
			Text, Row Two - B	Diarra
			Text, Row One - T	Pierce.
01	0094002		Grille, Bright Finished, Formed, Front of cab,w/ Front Trim Band, DLX	1
84			Fenders, S/S on cab, w/Radius corner, 2.00" wide	1
85	0005772		Molding, Chrome on side of cab	1
	0087357		<i>e,</i>	1
87			Cab Lift, Elec/Hyd, DLX/Enf/AXT/QX, w/Remote, w/Manual Override	1
	0002190		Mirrors, Velvac, West Coast,	1
	0012200		Mirror, 8" Round Convex Below West Coast	1
	0012246		Bumper, 22" extended - all chassis'	1
91			Gravel Pan, Extended Bumper	1
	0002007		Tow Eyes, Painted, Below Deck	1
	0018017		Cab Interior vinyl - (w/Padded liner Pkg), DLX Color, Cab Interior Vinyl - a) Silver/Gray	
94	0012430		Cab Interior, paint color	1
			Color, Cab Interior Paint - a) gray	
	0092424		Grab Handles, Driver & Officer door post	1
	0046245		Seat, Driver 911 Sciss Action Air Ride, Hi-Back, w/Removable Back	1
	0042350		Seat, Officer 911 Sciss Air Susp, High Back, All Chassis	1
98	0002517		(No Radio Compartment)	1
99	0012399		[No Rear Facing Crew Cab Seats]	1
100	0089667		Upholstery, Seats In Cab, All Imperial 1200, All 911	1
			Color, Cab Interior Vinyl - h) Gray/Black	
101	0072361		No SCBA Brackets Required In Cab Seats	3
102	0033498		Seat Belts, Red	1
103	0021754		Seat, Belt, Height Adjustment	1
104	0032402		Seat, Fold Up, Single	1
			Location - Center rear wall between outboard fold downs	
105	0012400		Seat, Fold Up, Lance 6-man cab, Pair	1
			Location - Outboard one each side rear wall crew cab	
106	0053021		Side Roll Protection Package Not Required	1
107	0019914		Warranty, Cab (Sab/DLX/Enf/AXT/Qtm w/fixed step/IMP/VEL)	1
108	0012527		Lights, Engine Compt, (2), All Custom Chassis	1
109	0022733		Lights, Cab Inter, Officer and Driver Side, w/Weldon Dome Lights	1
110	0020583		Lights, Weldon, Dome, (2), C/C, Red/Clear	1
111	0012288		Heater/defroster, DLX/Enf	1
112	0002293		No Heater in Crew Cab	1
	0013090		Air Conditioning, LX, With Raised Roof, Standard '99 AC Pkg	1
	0091293		3rd Evaporator Pkg, To increase performance, DLX/Enf/Qtm	1
	0056077		Air conditioning, Coleman Polar Mach, 120V, Cab Roof, 10.63" High (Cool Only)	1
	0526173		Cab Instruments, DLX, Color Display	1
	0018987		Air Restriction Indicator - DLX	1
	0012630		Wiper control, 2-speed w/intermittent, DLX/Enf/AXT	1
	0032551		Light, Indicator, Cab Lock Downs,"Not Engaged"	1
	0551204	PSC	Radiation Detection System, Vehicle Mntd, Victoreen 1060 AM-V, San Fran	1
			Airport	
121	0057521		Radio, Panasonic w/CD and NOAA Weatherband	1
			Location, AM/FM Radio - b) within reach of the officer	
			Antenna, AM/FM Radio - c) Roof-mounted rubber antenna	
			Speakers, AM/FM Radio - e)Three (3) pairs of speakers	
			Remote for AM,FM Radio - w)with remote control	
122	0039451		Radio, Installation Only, Customer Furnished, Two-Way Mobile	2
			Location - to be determined	

Line	PRIDE#		Qty
		Radio, 2-Wy, Single or Du - Dual 2-way radio head	7
123	0003757	Antenna, Std and Add'l Mts Only, 2-way Radio, Cust, Spl Cable Routing	7
		Location 1 - as shown on the print	Pierce.
		Location - the six will be mounted to the command desk. one obove officers	
		seat will be routed to officer	1
124	0002549	Switching, Cab Instrument & Overhead, Membrane	1
		Location, Emerg Switch - a) driver's	1
	0035738	Command Zone, Advanced Electronics and Control System, DLX	1
	0090515	Hitch, Receiver, Front, Custom Chassis] 1
	0090523	Winch, Warn, 9,000 lb. Portable Receiver Type	l 1
128	0098841	Batteries, (6) Deka Grp 31, 1000 CCA each, Threaded Stud	1
129	0008621	Battery System, Single Start, All Custom Chassis	1
130	0012696	Battery Compartment, Lan 3dr/No door command cab	l 1
131	0091826	Charger, Sngl system, 75 AMP, Charger and Power Supply	1
132	0012782	Location, Charger, Front left body compt	1
		Location - adjacent to the compressor in D5	
133	0002724	Battery "On" Indicator (Center Marker Lt)	1
134	0009429	Electric Power Only, Portable Winch	4
		Location - each side of the unit. front, rear, right and left. The front shall be	
		located in the hydraulic connection compartment.	1
135	0002692	Jumper Studs, Under Front Bumper	1
136	0012717	Kussmaul Auto-Eject Receptacle, 15amp (eng heater)	1
		Location - above the front DS wheel	
		Color, Kussmaul Cover - c) white	
137	0012726	Light, Battery Charging Receptacle "Charging" Indicator	1
138	0063137	Alternator, 400 amp Niehoff C656	1
139	0012739	Terminal Strip (12VDC), (5) w/grd, "Battery Direct	2
		Location - command desk	
140	0033014	Wiring, Spare, Pair, Each, Third Circuit	2
		Location - TBD	
		12vdc power from - a) battery direct	
		Fuse, 12VDC - d)20 amp breaker	
		Wire termination - p) 15 amp power point plug	
141	0090207	Wiring, Spare, Pair, Each	2
	00,020,	Location - TBD	
		12vdc power from - b)switched battery	
		Fuse, 12VDC - d)20 amp breaker	
		Wire termination - t) terminal strip	
1.42	0090316	Wiring, Spare, Pair, Each, Second Circuit	2
142	0070310	Location - TBD	
		12vdc power from - a) battery direct	
		Fuse, 12VDC - c)15 amp breaker	
		Wire termination - p) 15 amp power point plug	
1.42	0000580	Load Manager/Sequencer, MUX	1
143	0092582	Enable/Disable Hi-ldle - e)High Idle enable	
	0004056		1
	0024056	Amp Draw Report, NFPA 2003 Edition	1
	0002758	Amp Draw, NFPA Radio Allowance	1
	0095701	Cab Lighting, LED, DLX	1
	9902669	Front Directionals, Whelen 600 Arrow LED w/Cast1L Bezel, Below Headlights	1
	0095044	No Lights Req'd, Front Zone Low, DLX	1
149	0077011	Light, Front Zone, Whelen Super 600 LED, 2pr, Q Bezel, Qtm/Enf/AXT	Ī
		Color, Whin Sup600 LED, OUT - a) rd/rd	
		Color, Whin Sup600 LED, INN - a) rd/rd	1
150	0005910	Alarm, Back-up Warning, ECCO SA917-PM2	l Pa

Line PRIDE Type		DDIDE #	Т	Commonant	Qty
Location - center dash Content		Туре	Camera Safety Vision SV-CLCD65-620, Kit. 6.8 LCD Color Monitor, Audio	1	
153 0001972 Manuals, Two (2), Fire Apparatus Parts, Custom Chassis Pleace	131	0001003			
Manuals, Two (2) Chassis Service, Custom	152	0031972			Diarra
Manuals, Two (2) Chassis Operation, Custom					Pieue.
155 0095863 Warranty, Command Zone Components, Chassis, 5 years 1 1 1 1 1 1 1 1 1					1
Diagrams, Hard Copy - One hard copy					1
Diagrams, Hard Copy - One hard copy					1
Mult Trk Cr, Cust HDR/Acr - Two (2) Truck Order	150	0030113			
157 0019030 HDR, Non-Walkin, Aluminum					
158 0020796 22,5" Body Length, 36.48.48.57.60, NWI 1 1 1 1 1 1 1 1 1	157	0019030			1
159 0018374 98" Body Height, NWI 1 1 1 1 1 1 1 1 1				·	1
160 0018423 98" Height, Straight Roof, NW1 1 1 1 1 1 1 1 1 1				•	1
161 0041755 22.5 Body Roll Doors, 36.48.48.75.60, NWI, Gortite Latch, Gortite, Roll-up-locking, match all comp. Color, Gortite, Roll-up-locking, NWI 1 Color, Solid Swifter Color, Solid NWI 1 Color, Solid Swifter Color, Solid NWI 1 Color, Solid Swifter Color, Solid Swifter Color, Gortite, Roll-up-locking, match all comp. Color, Gortite, Roll-up-locy - Satin finish Color, Solid Surface - * Location - Roar body Rost, Will-Burt, 6-25 Mast Only for Camera, w/D-Teet System, Heavy Duty Color, Solid Surface - * Location - Rear body Regami Camera w/ Pelco Enclosure Location - Rear body Regami Camera w/ Pelco Enclosure Location - Rear body Color					1
Latch, Gortite, Roll-up - locking, match all comp. Color, Gortite, Roll-upDoor - Satin finish					5
Color, Goritie, Roll-upDoor - Satin finish 162 0018753 Left Forward Compt., 36" & 48" & 48" & 1NWI 1 1 1 1 1 1 1 1 1				· · · · · · · · · · · · · · · · · · ·	
162 0010553 Left Forward Compt, 36" & 48" & 48" Roll, NWI 1 1 1 1 1 1 1 1 1					
163 0018724	162	0010553			1
164 0018752 Left Rear Compt, 60" Roll, NWI 1 1 1 1 1 1 1 1 1				• •	1
165 0013087 Right Forward Compt, 36" & 48" & 48", Roll, NWI 1 1 1 1 1 1 1 1 1				• '	1
Right Over Wheel Compt, 57" Roll, NWI					1
167 0018844 Right Rear Compartment, 60" Roll, NWI 1 1 1 1 1 1 1 1 1				·	1
Rear Compt, 98" Ht., Roll, 60" Side Compt, NWI, Gortite				Right Rear Compartment, 60" Roll, NWI	1
Color, Gortite, Roll-upDoor - Satin finish					1
MODIFICATION, Hatch Covers, Install D-Ring Handles IPO Plunger/Sockets Location - roof hatch compartments 1				Latch, Gortite, Roll-up - locking, match all comp.	
Location - roof hatch compartments No Switch (74505) Required, HDR-NW				Color, Gortite, Roll-upDoor - Satin finish	
170 0074506	169	0087244	PSC	MODIFICATION, Hatch Covers, Install D-Ring Handles IPO Plunger/Sockets	1
171 0503018				Location - roof hatch compartments	
172 0085776 PSC Mast, Will-Burt, 6-25 Mast Only for Camera, w/D-Tect System, Heavy Duty 1	170	0074506		No Switch (74505) Required, HDR-NW	1
Color, Solid Surface - * Location - Rear body 173 0120961 Ikegami Camera w/ Pelco Enclosure Location - Rear body DS 174 0513920 Monitor, Liquid Crystal Display (LCD), 15" 2 Location - Crew Cab 2 Location - Crew Cab 2 Location - Pear Location - rear 175 0045066 Aluminum 4-way, Body Corners, 20" High, pair Location - rear 176 0075067 Aluminum 4-way, Body Rear, 6" High 1 Location - Each side of Body, Zip Dee Brand 2 Location - Each side of body Color - 17)burgundy 178 0090566 Hitch, Receiver, Rear/Sides, Through Body, Includes Ball 1 Ladder, Access, Zico Quic-Ladder, Model RL-2-6 Location - Center rear body Location - TBD, by customer 180 0043762 Compt, Divider, Vertical 3 Location - TBD, by customer 181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits 1 Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep 1	171	0503018			2
Location - Rear body Ikegami Camera w/ Pelco Enclosure	172	0085776	PSC	Mast, Will-Burt, 6-25 Mast Only for Camera, w/D-Tect System, Heavy Duty	1
173 0120961				Color, Solid Surface - *	
Location - Rear body DS Location - Rear body DS				Location - Rear body	
174 0513920 Monitor, Liquid Crystal Display (LCD), 15" 2 Location - Crew Cab 2 Location - Crew Cab 2 Location - rear 2 Location - rear 2 Location - rear 2 Location - Rear 3 Location - Rear 3 Location - Each side of Body Color - 17) burgundy 178 0090566 Hitch, Receiver, Rear/Sides, Through Body, Includes Ball 1 Location - Center rear body Location - Center rear body Location - TBD, by customer 181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits 1 Dimensions - Room for eight suit's TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep 1	173	0120961		Ikegami Camera w/ Pelco Enclosure	1
Location - Crew Cab 175 0045066 Aluminum 4-way, Body Corners, 20" High, pair Location - rear 176 0075067 Aluminum 4-way, Body Rear, 6" High 177 0052173 Awning, Side of Body, Zip Dee Brand Location - Each side of body Color - 17)burgundy 178 0090566 Hitch, Receiver, Rear/Sides, Through Body, Includes Ball 179 0033977 Ladder, Access, Zico Quic-Ladder, Model RL-2-6 Location - Center rear body 180 0043762 Compt, Divider, Vertical Location - TBD, by customer 181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep					_
175	174	0513920			2
176					
176 0075067 Aluminum 4-way, Body Rear, 6" High 1 177 0052173 Awning, Side of Body, Zip Dee Brand 2 Location - Each side of body Color - 17)burgundy 178 0090566 Hitch, Receiver, Rear/Sides, Through Body, Includes Ball 1 179 0033977 Ladder, Access, Zico Quic-Ladder, Model RL-2-6 1 Location - Center rear body 1 180 0043762 Compt, Divider, Vertical 3 Location - TBD, by customer 1 181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits 1 Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep 1	175	0045066		Aluminum 4-way, Body Corners, 20" High, pair	1
176 0073007					_
Location - Each side of body Color - 17)burgundy 178 0090566 Hitch, Receiver, Rear/Sides, Through Body, Includes Ball 179 0033977 Ladder, Access, Zico Quic-Ladder, Model RL-2-6 Location - Center rear body 180 0043762 Compt, Divider, Vertical Location - TBD, by customer 181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep	176	0075067			
Color - 17)burgundy Hitch, Receiver, Rear/Sides, Through Body, Includes Ball 19 0033977 Ladder, Access, Zico Quic-Ladder, Model RL-2-6 Location - Center rear body Compt, Divider, Vertical Location - TBD, by customer 181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep	177	0052173			2
Hitch, Receiver, Rear/Sides, Through Body, Includes Ball Ladder, Access, Zico Quic-Ladder, Model RL-2-6 Location - Center rear body Compt, Divider, Vertical Location - TBD, by customer Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body Rack, Tool Boxes on Slide Master Tray, 62" Deep					
178 0090300 Intell, Receiver, Retainstates, Through Body, Intelligence States 179 0033977 Ladder, Access, Zico Quic-Ladder, Model RL-2-6 Location - Center rear body 180 0043762 Compt, Divider, Vertical Location - TBD, by customer 181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep				•	1
Location - Center rear body 180 0043762 Compt, Divider, Vertical 3 Location - TBD, by customer 181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep					1
180 0043762 Compt, Divider, Vertical Location - TBD, by customer 181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep	179	0033977			1
Location - TBD, by customer 181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep				·	2
181 0519143 PSC Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep	180	0043762		•	3
Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep					1
Configuration - TBD Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep 1	181	0519143	PSC		1
Location - DS body 182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep 1					
182 0059776 PSC Rack, Tool Boxes on Slide Master Tray, 62" Deep				•	
		0050555	DCC	•	1
Configuration - 3 deep by 2 mgn, front and real	182	0059776	PSC		ı
				Configuration - 3 deep by 2 high, from and real	

Line	PRIDE#	Туре	Component	Qty	
			Location - compartment P3	6	
183	0043942		Shelf, Adjustable, Alum		
			Location - three in compartment P4 to the rear of the vertical divider and	Pier	e.
104	0510010	DCC	shipped loose for 16129-01 Storage Cabinet, for 5-Gal Bucket w/Latching Container, Sealed	1	
184	0519019	PSC	Dimensions - Large enough for 5 gallon bucket	•	
			Location - Body compt.		
105	0064104		Tool Board, Slide-Out, .188" Alum, 62" Long	4	
185	0064104		Location - TBD	•	
106	0054000			2	
186	0054092		Tool Board, Swing Out, 188" Alum Location - compartment P5. There shall be one mounted on the front wall		
			one on the rear so that they open like a cabinet. They shall be sized and lo	cated	
			to fit two air packs on each side of each toolboard.		
187	0045043		Tray, Slide Out, Floor Mounted, (500 lb)	3	
107	0045045		Location - One in P5, D5, and D1		
188	0045053		Tray, Tilt, Slide Out, 22.00", 30 deg. (200 lb)	3	
100	0043033		Location - compartment D2, D3, D1		
180	0045068		Bumper, Rear Non- Walkin 13.00" D x 90.00" W	1	
	0028107		No Foam Cell	1	
190		PSC	Tow Eyes, Four Each Side, Direct to Cpt. Platform, Under Body, HDR	1	
191		rsc	Box, Poly Tool, 22"L x 10" W x 10" D	10	
192	0003020		Location - TBD		
193	0034000		Louver, Additional, Per Compt	10	
193	0034000		Location - in the recessed walkway for the hatch compartments		
104	0024016		Rubrail, Alum Extruded, Side & Rear of Body	1	
	0024010		Rear Fender Crowns, S/S, Two Pair	1	
			Hose, Hard Suction, Not Required, No Pump	1	
	0519848		Compt, Air Bottle in Fender Panel, Dbl Wide	8	
197	0074210		Location, Bracket/comp frt/rr both sides	Ü	
100	0024210			8	
198	0024210		Storage Bin, Air Bottle	Ü	
			Configuration - TBD Miami Location, Bracket/comp City of Miami 1 hour bottle holder 8		
100	0074240		No Folding Ladder Req'd	1	
	0074248		Bell, 12" Chrome w/Eagle	1	
200	0004375		Location, Acc. Misc b) passenger's side	•	
201	0044067			1	
201	0044067		Step, HDR Pull-Out Rear		
	0040405		Location - Center	. 1	
	0043105		No Pump Required	1	
203	0090789		No Plumbing Required, No Pump	1	
	0089437		Plumbing without Foam System	1	
205	0046370		Warranty Not Req'd, No Plumbing	1	
206	0074685		Inlet Installation Not Req'd	1	
207	0064700		No Inlet Control Req'd	1	
208	0025045		No 2.5" Outlets Req'd On The Driver's Side	1	
	0021143		No Outlet Req'd RH Side	1	
210	0046382		No Large Diameter Discharge, No Pump	1	
211	0044333		No Foam System Required	1	
	0509094		CAF Compressor Not Required, No Foam System	1	
	0042573		Foam System Demonstration Not Required	1	
	0045465		No Foam Tanks Required	1	
	0091110		No Foam Tank Drain	1 1	
	0091079		No Foam Tank #2 Required	1 1	
				1	
218	0518339		No Pump House Kequired, Kescue	1 	Page 6
217	0091112 0518339 7/3/2007	2:211	No Foam Tank Drain No Pump House Required, Rescue	1 1	

INA PRICER A IVOP I CONCONCOL	Qty
Line PRIDE# Type Component 219 0000261 Pump Panel Layout Not Req'd	1
220 0030701 Panel, Pump and Gauge, Material Not Req'd, No Panel	1
221 0092531 Pump House Structure, N/A	Pierce.
222 0002624 No Chassis Engine Gauges @ Pump Panel	
223 0511078 Gauges, 4" Master - Class 1, 30"-0-600psi	1
224 0511100 Gauge, 2.0" Pressure - Class 1, 30"-0-400psi	1
225 0006774 No Foam Level Gauge Req'd	1
226 0046280 No Light Shield, No Pump	1
227 0005896 Wiring, DLX/QX	1
228 0039286 Lights, Step (4), Truck-Lite, LED Model 44 w/ 60 Degree Bezel	1
229 0039828 Lights, Tail, Whelen 60R00XRR LED Stop/Tail, 60A00TAR Amber, LED, I Arrow Dir Flange Kit, 2pr - w/with a flange	Pop 1
	1
230 0062985 Lights, Backup, Whelen 600, LED,maximum Flange Kit, Whelen 6E - w/o)6E or 64 Flange Kit	•
The second secon	1
	5
232 0012461 Light, Map w/Goose Neck, Sunnex w/Clear lens Location - one (1) next to the "A" post on the officer's side of the dash, f	
(4) on the command desk	our
233 0037182 Light, Marker End Outline, Rubber Arm, Marker Lamp	1
Location, lights - the rear most sides of the body	
234 0068678 Light, Directional/Marker, Intermediate Light, Truck-Lite Model 60115Y LE	ED, 1
IPO	•
235 0064768 Light, Directional/Marker, Intermediate Light, Truck-Lite Model 30 LED, IP MUX	
236 0004624 Light & Buzzer, Do not move apparatus, Custom	1
237 0092565 Messages, Open Door/Do Not Move Truck - DLX/QX	1
238 0064343 Lights, Compt, Krystal-lite, Super Brite, IPOS, Roll up doors Location - Two each compt	10
239 0059670 Lights, Compt, Truck-Lite 44207C, LED Additional, Adj Track Mounts	9
Location, lights - one each compt.	1
240 0091941 Perimeter Scene Lights, Cab Exit Areas, Trucklite 44042C, LED	1
Cab, Perimeter Scene - Cab, 3dr Custom	1
241 0045944 Lights, Perimeter scene, (6) under Body	l
Switch, Location, Perim - cab & rear of body	4
242 0067790 Lights, Scene, Whelen 900 Gradient Opti-Scene	4
Location, lights - one (1) each side of cab, (1) pair each seide of body, o	ne (1)
pair on rear of body as shown on drawing	
Switch, 4 Scene Cntrl, Dr - a) no switch control	
Switch, 1 Scene Cntrl - d)ds & os switch	
Switch, 2 Scene Cutrler) No additional control, 2	
Switch, 3 Scene Cntrl - n) No additional control, 3	
Flange Kit - w)with flange 243 0015967 Lights, Scene, Zico ZQL-RV-H7614, White ABS Side, Pair	1
243 0015967 Lights, Scene, Zico ZQL-RV-H7614, White ABS Side, Pair Location, lights - in the fender panel forward of both axles	1
Switch, Scene Lt Cntrl - a)driver sw panel	
	1
	1
245 0075992 Handheld Cab Spotlight, Specialty Lighting 2150-1 Location, lights - officer side of dash, exact location to be determined	-
	2
246 0016030 Handlight, Streamlight, LiteBox, 12v, Yellow Location, lights - in the command cab inside the PS door	_
17 D' 1	1
	1
248 0066052 Air Horns, (2) Grover in Bumper Outside Frame Location, Air Horn (bmpr) - one each side	-
Location, All Horn (ompr) one each side	

Lina	PRIDE#	Type Component	Qty
	0016064	Horn Button and Pass. Side Push Button	1
	0006125	Siren, Federal PA300MSC 100/200 Watt	1
251	0016133	Location, Electronic Siren, Swivel Mount Centered Overhead	Piorce.
252	0006145	Switches, Horn Button and Officer Toe - For Elect Siren	to to .
253	0006763	Speaker, Cast Product SH3015, recess bumper, KwT300	2
		Connection, Speaker - siren head	
254	0067164	Lightbar, Whelen, Freedom, FN**QLED, 8-R LED, 2-C LED, 2-RC LED	1
		Length, Wln Lightbar - 77"	
255	0006507	Flasher, Headlight Alternating, DLX/QX	1
		Headlt flash deactivation - b)w/any head lights	
256	0077410	Lights, Side, Whelen, Super 900 LED®	1
		Location, lights - upper middle of the body	
		Color, Whln Sup900 LED - a) rd/rd	
		Control, light - b) side warning	
		Flange Kit - w)with flange	
257	0058705	Light, Traffic Directing, Rear, Whelen TAM65, LED, 36"	1
		Location, Traffic Lt Cntr - b)swivel bracket	
		Activation, Traffic Dir L - c) with the control head	
		Mount, Traffic Dir Lt - r)recessed	•
258	0076753	Light, Side Zone Lower, Whelen Super 600 LED, Over 25 Foot Gap, 3pr	1
		Location, lights rear - Low in bezel	
		Location, lights mid - rear cab area	
		Color, Whin Sup600 LED, MID - a) rd/rd	
		Color, Whin Sup600 LED, FRT - a) rd/rd	
		Color, Whin Sup600 LED, BCK - a) rd/rd	
		Location, lights frt side - b)each side bumper	
	001/000	Flange Kit, 3pr - w/3 pr flange kits	1
259	0016380	No Additional Lights Req'd, Side Zone Upper	1
260	0076758	Lights, Rear Zone Lower, Whelen Super 600 LED Color, Whln Sup600 LED - a) rd/rd	*
		Flange Kit - w)with flange	
261	0076775	Light, Rear/Side Upper Zone, Whelen 6-Super 900 LED & 2-Super 500 LED	1
261	0070773	Location - TBD	
		Color, Whin Sup900 LED, FRT - a) rd/rd	
		Color, Whin Sup900 LED, BCK - e) bl/bl	
		Color, Whin Sup900 LED - i) DS bl/bl, PS rd/rd	
		Color, Whin Sup500 LED - i) DS rd/rd, PS bl/bl	
		Flange Kit, 3pr - w/3 pr flange kits	
262	0006551	Lights, No lights Req'd, Rear Upper Zone Blocking	1
263	0006646	Electrical System, A/C, General Design	1
264	0551423	Onan Protec 30 kW, 1PH, PTO Drive w/XRT PTO (30,000W Cont. Rating)	1
265	0016645	Location, PTO Generator, Between the Frame Rails	1
266	0016752	Starting Switch for Truck Engine Powered Generator	1
267	0016757	Remote Start Not Req'd for Generator	1
268	0016740	Fuel System, None Required	1
269	0016767	Oil Drain Extension Not Req'd for Generator	1
270	0016771	Routing Exhaust Not Req'd for Generator	1
271	0036738	Circuit Breaker Panel, Included With PTO Generator	1
		Location, CB Panel - compartment D5	
272	0007138	Fire Research, 750W Saber/Dash/Lance Visor, S75 Focus	1
273	0017863	FRC, 750W, Tripod, Focus Lt. Head, FC600-S75, 120 volt	2
		Location, 120/240 Volt Lt - one (1) each side rear of body	
		Type of Electrical Plug - d) 20 amp twist-lock	

T	DDIDE #	Tuna	Component	Qty
	PRIDE # 0026188	Type	Component Fire Research, 1000W FC200 Focus, Recessed	6
214	0020100		Location, 120/240 Volt Lt - two (2) on each side of the body in the upper s	ide
			sheet / two at rear body	10:
275	0006812		Switch, Remote for Flood Light	Pierce.
			Location - both brow lights	
			Location, Switch - a) cab	
276	0085200		Will-Burt Night Scan Powerlite Mod NS10-9000 OPT, Dual Tilt Std. (NEW)	1
			Location, 120/240 Volt Lt - TBD	
			Location - TBD	
277	0066627		Reel, Elec Four (4) Wire - Hannay 1600 Series	2
			Location, Cord Reel - one (1) in compartment D1 and one (1) in compartm	ent
			P5	
			Reel Guide - b) Captive roller	
278	0086632		Cord, Electric, 10/4 Yellow	2
			Connection, Cord - 20 amp connector	
			Feet of Yellow Cord - e)200	
279	0006822		Box, Junction - D. Woodhead 3290-3, 4-120TL, 20 A	2
			Connection, Cord - direct	
280	0006824		Holder, Junction Box	2
			Location - same compartment as the electric reels	
281	0086799		Receptacle, 15A 120V 3-Prong, Str Blade W/Cvr, Duplex	3
			Location, Receptacles - side by side against the back wall of compartment	P4
			in the right middle pelican box rack	10
282	0076629		Receptacle, 15A 120V 3 Prong Str Blade Duplex, Shoreline Int	- 12
			Location, Receptacles - Cab	
283	0006790		Receptacle, 20A 120V 3-Prong Twistlock	4
			Location, Receptacles - one adjacent to the circuit breaker panel, one on the	e
			rear of the body, one on each side in the wheel wells below the SCBA	
204	0006705		compartments Provided 20 A 220 V 3 Propa Twist Lock	2
284	0006795		Receptacle, 20A 220V 3 Prong Twist-Lock Location, Receptacles - two in the rear compartment (one on each side of the	
			rear wall up high for dealer supplied power units.)	
285	0066622		Receptacle, 20A 120V 3 Prong Str Blade Duplex, Generator Ext	1
203	0000022		Location, Receptacles - forward wall of compartment D4	
286	0507624		Shoreline, Kussmaul Auto Eject, 30 amp "Super"	1
200	0307024		Connection, Shoreline - TBD	
			Color, Kussmaul Cover - b) red	
287	0026800		Shoreline Location	1
207	002000		Location, Shoreline (s) - 25) DS Cab Side	
288	0036804		Light, Indicator, Shoreline Inlet Powered, Green	1
289	0036802		Sub Feed Breaker Box, For Shoreline	1
20)	0030002		Location, CB Panel - next to the breaker box	
290	0036800		Switch, Auto Transfer, Up to 30Amp	1
270	0030000		Connection, Transfer Swit - TBD	
291	0026890		Reel, Tool Air, Low Press from Cascade w/150' Blue Hose	1
271	0020070		Location - Body compt. TBD	
			Reel Guide - a) Nylatron guide	
292	0519934		Brand, Hydraulic Tool System, Not Req'd	1
293	0007008		Hose, Hydra., Blu/Blu Holmatro 12', P.U.to Reel	1
294	0061068		Hose, Hydra., Polyflex, 30'-40', 10K, (Mineral Oil), P.U.to Reel	1
271			Brand, Model, of Equip - TBD	
			Color, Hydraulic Hose 2 - d) red/black	
			Color, Hydraulic Hose 1 - d) red/black	
			Color, Hydraulic Hose 3 - n) no hose required	
			, ,	

	PRIDE # 0006990	Type Component Reel, Hyd, 100' Cap., .25" Dual Hose(Hannay) (Any Make Tool)	Qty 1
293	0000770	Brand, Model, of Equip - TBD	1
		Location - TBD by customer	
		Reel Guide - b) Captive roller	Pierce.
206	0007150	Bag of Nuts and Bolts	1
290	000/130	Qty, Bag Nuts and Bolts - 1	1
207	0007210	Paint, Two Tone, Cab, Custom Cab/Commercial Cab	1
291	0007210		1
		Paint Color, Upper Area - White, Miami FL #10 Paint, Color - Red, Miami, FL #90	
200	0017241	Paint Chassis Frame Assy. Black, Std.	1
	0017241	Warranty, 10 Year Standard Paint	1
	0003033	Compartment, Unpainted, D/A Finished	1
300	0007234	Location - all compartments	1
201	0068338	Reflective Band, 1"-6"-1"	1
301	0000330	Color, Reflect Band - A - i) gold	1
		Color, Reflect Band - A - 1) gold Color, Reflect Band - B - t) gold	
		Color, Reflect Band - C - w) white	
302	0007356	Reflective across Cab Face	1
302		Stripe, Reflective, Cab Doors Interior	1
303	0003087	Color, Reflective - k) light blue	1
204	0030076	Lettering Specifications, Vinyl/Painted	1
	0030070	Lettering, Reflective 4" w/outline & shade (61-80)	1
	0077246	Bracket, Channel for Dept Number Placard	4
300	008/230	Location - per print	4
207	0047028	Lettering, Reflective, Roll-up Doors, More	52
307	004/028	Location, Lettering - Side body	32
		Size, Lettering, Reflect - 06	
200	0067255	Color, Lettering - a) white	1
308	0067255	Lettering, Reflective 8" w/shade & outline (1-20) Location, Lettering - TBD	1
		·	
		Color, Outline/Shadow - a) black Color, Lettering - a) white	
200	0025800	Lettering, Reflective 10" w/shade & outline (21-40)	1
309	0023000	Color, Outline - Black	, 1
		Location, Lettering - TBD	
		Color, Outline/Shadow - a) black	
		Color, Cuttine shadow - a) black Color, Lettering - a) white	
210	0087267	Plate, Painted Alum. for Lettering	4
310	008/20/	Size - 10x10x1/8 match 14300 Miami FL	4
		Location - four sides	
211	0516701	Emblem, American Flag Painted on Cab Grille, All Custom Chassis	1
	0000502	Emblem, Eagle #2 w/Emblem, Color Imaged, Pair	1
312	0000302	Location, Emblem - one each side body	1
		Size, Color Imaged Seals - c)	
212	0049183	Emblem, "Freedom Flag", Color Imaged, 18" Wide, Pair (mirror images)	1
313	0047163	Location, Emblem - TBD	1
21/	0077034	Emblem, Eagle in Flight, 16.50H x 11.00W, Pair	1
	0000000	Warranty and Administration	1
	0000000	Florida Sheriff's Contract Access 05-06-0823	1 . 1
010	0000000	Location - Florida	1
217	000000		1
	0000000	Inspection Trips (2) and Delivery	1
210	0000000	Inspection Trips (2) and Delivery Interest	l 1
	0000000		

Line	PRIDE #	Type	Component	Qty
320	0000031		HDR BODY	1
321	0000012		PIERCE CHASSIS	1
322	0020027		SERIES 60 ENGINE	Pierce.
323	0046396		EVS 4000 Series TRANSMISSION	
324	0028047		NO FOAM SYSTEM	1
325	0046282		NO CONTROL PANEL, NO PUMP	1
326	0020015		ABS SYSTEM	1

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2:21PM



One Pierce Lance HDR HazMat Vehicle

For

City of Miami, Florida

July 3, 2007

We are pleased to submit a proposal to you for a **Pierce® Heavy Duty Rescue** per your request for quotation. The following paragraphs will describe in detail the apparatus proposed. Loose equipment not specifically requested will not be provided.

PIERCE MANUFACTURING was incorporated in 1917. Since then we have been building bodies with one philosophy, "BUILD THE FINEST". Our skilled craftsmen take pride in their work, which is reflected, in the final product. We have been building fire apparatus since the early "forties" giving Pierce Manufacturing over 50 years of experience in the fire apparatus market. Our plant is located in Appleton, Wisconsin with over 757,000 total square feet of floor space situated on approximately 97 acres of land. A multi-million dollar inventory of parts is available to keep your unit in service long after it has left the factory.

QUALITY AND WORKMANSHIP

Pierce has set the pace for quality and workmanship in the fire apparatus field. Our tradition of building the highest quality units with craftsmen second to none has been the rule right from the beginning. We currently have a "Quality Achievement Supplier" program to insure the vendors and suppliers that we utilize meet the high standards that we demand. That is just part of our overall "Quality at the Source" program at Pierce. Another part of this program is employing experts in their fields, like a Certified American Welding Society Inspector to monitor our weld quality.

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.

INFORMATION

The manufacturer will supply at time of delivery, complete operation and maintenance manuals covering the completed apparatus as delivered. A permanent plate will be mounted in the driver's compartment which specifies the quantity and type of fluids required including engine oil, engine coolant, transmission and drive axle.

SAFETY VIDEO

At the time of delivery Pierce will also provide one 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, 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 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 will meet NFPA 1901 acceleration requirements and NFPA 1901 braking requirements. The apparatus when fully loaded will not have less than 25% nor more than 50% on the front axle and not less than 50% nor more than 75% on the rear axle.

COMMERCIAL GENERAL LIABILITY INSURANCE

Certification of insurance coverage will be enclosed.

ISO COMPLIANCE

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 Number 32454 is included with this proposal.

SINGLE SOURCE MANUFACTURER

Pierce Manufacturing, Inc. provides an integrated approach to the design and manufacture of our products that delivers superior apparatus and a dedicated support team. From our headquarters, all chassis, cab and body systems are engineered, tested and hand assembled to the customers exact specifications. Pierce® vehicles are also backed by a network of sales and service organizations that are dedicated exclusively to the fire service who are ready to help you 24 hours a day, 7 days a week with parts, service and training. Pierces single source solution adds value by providing a fully engineered product that offers durability, reliability, maintainability, performance and a high level of quality.

NFPA 2004 STANDARDS

This unit will comply with the NFPA standards effective January of 2004. Certification of slip resistance of all stepping, standing and walking surfaces will be supplied with delivery of the apparatus.

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.

Pierce Manufacturing has programs in place for training, proficiency testing and performance for any staff involved with certifications.

Pierce Manufacturing 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.

TOTAL VEHICLE ASSESSMENT CERTIFICATION

The apparatus will be third-party, independent, audit-certified through Underwriters Laboratory (UL) to the current edition of NFPA 1901 standards. The certification includes: all design, production, operational and performance testing of the apparatus. NO EXCEPTIONS.

GENERATOR TEST

If the unit has a generator, the generator will be tested, approved, and certified by Underwriters Laboratories at the manufacturer's expense. The test results will be provided to the Fire Department at the time of delivery.



BREATHING AIR TEST

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

MAXIMUM OVERALL HEIGHT

The maximum overall height of the apparatus will be 140".

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.

WARRANTY

We warranty each piece of new fire or rescue apparatus to be free from defects in materials or workmanship under normal use service. Our obligation under this warranty is limited to repairing or replacing, as the company may elect, any parts thereof w are returned to us, with transportation costs prepaid and as to which examination is disclose to the company's satisfaction to he been defective. The part, or parts, will be returned to the manufacturer not later than five (5) years from delivery of the appar Such defective part, or parts, will be repaired or replaced free of charge and without charge for installation to the original purchaser.

This warranty will not apply:

- 1) To normal maintenance and adjustments.
- 2) To any vehicle which has been repaired or altered outside of the factory in any way so that, in the manufacturer's judgment, it would affect the stability. Also it will not apply to any vehicle which has been subject to misuse, neglect, accident, or to any vehicle which will operate at any speed exceeding the factory rated speed, or loaded beyond the fact rated load capacity.

This warranty is in lieu of all other warranties, expressed or implied, all others representations to the original purchaser and all other obligations or liabilities, including liability for incidental or consequential damages on the part of the company. We neither assume or authorize any other person to give or assume any other warranty or liability on the company's behalf, unless made or assumed in writing by the company.

LANCE® 2000 CHASSIS

The Pierce Lance 2000 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 manufacturers first line tilt cab.

SEATING CAPACITY

The seating capacity in the cab will be four (4).

WHEELBASE

The wheelbase of the vehicle will be TBD.



GVW RATING

The gross vehicle weight rating will be 64,000lbs.

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 have a 13.38" tall web over the front and mid sections of the chassis, with a continuous smooth taper to a 10.75" over the rear axle. Each rail will have a section modulus of 25.992 in.³ and a resisting bending moment (rbm) of 3,119,040 inch pounds over the critical regions of the frame assembly, with a section modulus of 18.96 in.³ with an rbm of 2,275,200 inch pounds over the rear axle. The frame rails will be constructed of 120,000 psi yield strength heat treated .38" thick steel, with 3.50" wide flanges.

FRAME RAIL WARRANTY

Limited Warranty

Except as provided below, and provided the vehicle will have been placed in service within 60 days after delivery to the original purchaser as established by our original invoice, for a period of 50 years, which is the estimated useful life of the vehicle, after delivery to the original purchaser, Pierce Manufacturing Inc. ("Pierce") warrants to the user that its chassis frame rail manufactured by Pierce are free of defects in design, material or workmanship. This limited warranty will apply only if the vehicle is properly maintained and used in service which is normal to the particular vehicle. Normal service means service which does not subject the vehicle to stresses or impacts greater than normally result from the careful use of the vehicle or chassis. If the buyer discovers a defect or nonconformity it must notify Pierce in writing within 30 days after the date of discovery. This limited warranty is not transferable by the first user.

A copy of the Pierce warranty is included with this proposal.

FRAME REINFORCEMENT

In addition, a full length main frame inverted "L" liner will be provided. It also will be heat treated steel measuring 12.00" x 3.00" x .25". Each liner will have a section modulus of 7.795 cu. in., yield strength of 110,000 psi and rbm of 857,462 inch pounds. Total rbm at wheelbase center will be 3,976,502 pounds per rail.

FRONT NON DRIVE AXLE

The Oshkosh TAK-4[®] front axle will be of the independent suspension design with a ground rating of 18,000 pounds.

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.

There will be nine (9) grease fittings supplied, one (1) on each control arm pivot and one (1) on the steering gear extension.

The upper control arm will be shorter than the lower arm so that wheel end geometry provides positive camber when deflected below rated load and negative camber above rated load.



Camber at load will be zero degrees for optimum tire life.

The kingpin bearing will be of low friction design and be sealed for life.

Toe links that are adjustable for alignment of the wheel to the center of the chassis will be provided. The wheel ends must have little to no bump steer when the chassis encounters a hole or obstacle.

The steering linkage will provide proper steering angles for the inside and outside wheel, based on the vehicle wheelbase.

The axle will have a third party certified turning angle of 45 degrees. Front discharge, front suction, or aluminum wheels will not infringe on this cramp angle.

FRONT NON DRIVE AXLE WARRANTY

The Oshkosh TAK-4 system will have a three (3) year parts and labor warranty. This warranty applies to the TAK-4 suspension components only. All steering linkages, pumps etc., are covered under our standard chassis warranty (exception steer gears - see Steering for warranty).

OIL SEALS

Oil seals with viewing window will be provided on the front axle.

SHOCK ABSORBERS

Heavy-duty telescoping shock absorbers (KONI) will be provided on the front suspension.

REAR AXLE

The rear axle will be a MeritorTM, Model RS-24-160, with a capacity of 24,000 pounds.

REAR AXLE WARRANTY

The MeritorTM three (3) year parts and labor warranty will be provided with this axle, plus an additional two (2) years of parts only coverage. MeritorTM will also provide a one (1) year parts and labor warranty for wheel seals.

TOP SPEED OF VEHICLE

A rear axle ratio will be furnished to allow the vehicle to reach an approximate top speed of 61 to 64 MPH.

OIL SEALS

Oil seals will be provided on the rear axle.

SUSPENSION

Front Oshkosh TAK-4TM independent suspension will be provided with a minimum ground rating of 18,000 pounds.

The independent suspension system will be designed to provide maximum ride comfort. The design will allow the vehicle to travel at highway speeds over improved road surfaces, and at moderate speeds over rough terrain with minimal transfer of road shock and vibration to the vehicle's crew compartment.

Each wheel will have torsion bar type spring. In addition, each front wheel end will also have energy absorbing jounce bumpers to prevent bottoming of the suspension.

The suspension design will be such that there is at least 10.00" of total wheel travel and a minimum of 3.75" before suspension bottoms.



The torsion bar anchor lock system allows for simple lean adjustments, without the use of shims. One can adjust for a lean within 15 minutes per side. Anchor adjustment design is such that it allows for ride height adjustment on each side.

The independent suspension was put through a durability test that simulated 140,000 miles of inner city driving.

SUSPENSION, REAR

Rear suspension will be Reyco model 79KB with a ground rating of 24,000 pounds. Spring hangers and mounting components will be cast. The suspension utilizes two attaching points with variable rate spring cams and rubber bushed adjustable torque arms.

ANTI-LOCK BRAKE SYSTEM

The vehicle will be equipped with a Wabco 4S4M, anti-lock braking system. The ABS will provide a four (4) channel anti-lock braking control on both the front and rear wheels. It will be a digitally controlled system that utilizes microprocessor technology to control the anti-lock braking system. Each wheel will be monitored by the system. When any particular wheel begins to lockup, a signal will be sent to the control unit. This control unit then will reduce the braking of that wheel for a fraction of a second and then reapply the brake. This anti-lock brake system will eliminate the lockup of any wheel thus helping to prevent the apparatus from skidding out of control.

ANTI-LOCK BRAKE SYSTEM WARRANTY

The Wabco ABS system will come with a three (3) year or 300,000 mile parts and labor warranty provided by Meritor Wabco Vehicle Control Systems.

BRAKES

The service brake system will be full air type.

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.

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 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.

AIR COMPRESSOR, BRAKE SYSTEM

The air compressor will be a Bendix BA-921 with 15.8 cubic feet per minute output at 1250 RPM.

BRAKE SYSTEM

The brake system will include:

- Bendix-Westinghouse dual brake treadle valve with vinyl covered foot surface.



- One heated automatic moisture ejector on air dryer.
- Total air system capacity of 4,362 cubic inches.
- Two (2) air pressure gauges with red warning light and audible alarm, that activates when air pressure falls below 60 psi.
- MGM spring set parking brake system.
- Parking brake operated by a Bendix-Westinghouse PP-1 control valve.
- A parking "brake on" indicator light on instrument panel.
- Bendix-Westinghouse SR-1 valve, in conjunction with a double check valve system, will provide an automatic spring-brake application at 40 psi.
- Wabco System Saver 1200 air dryer.

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

One (1) air inlet with male coupling will be provided. It will allow station air to be supplied to the apparatus brake system through a shoreline hose. The inlet will be located in the driver side lower step well of cab. A check valve will be provided to prevent reverse flow of air. The inlet will discharge into the "wet" tank of the brake system. A mating female coupling will also be provided with the loose equipment.

AIR COMPRESSOR - BRAKE SYSTEM MAINTENANCE

A Kussmaul, model 091-9B-1, air compressor will be provided. It will be driven by the 120-volt shoreline electrical system and will be located high and out of the way on the front wall of compartment D5. The compressor will maintain the air pressure in the chassis air brake system while the vehicle is not in use. A pressure switch will sense when the system pressure drops and automatically start the compressor, which then will run until pressure is restored.

AUTOMATIC MOISTURE EJECTOR(s)

Six (6) automatic moisture ejectors, Bendix DV-2, will be installed in the brake system.

Each moisture ejector will be equipped with a 12-volt heater, controlled by thermostat and ignition switch.

The moisture ejector (s) will be provided on the all reservoirs (s).

ENGINE

A Jake brake is required if you have selected this engine. Make sure the secondary braking feature is picked so that the appropriate cost is put into this order.

NOTE: The 2006 engine specified is based on supplier availability at the time of bid submittal. In the event this engine availability changes before the contract is accepted by Pierce Manufacturing, an alternate engine with associated charges/credits may need to be substituted. If the 2006 engine being proposed is no longer available, you will be contacted to discuss what options are available for an alternate engine.



The chassis will be powered by a Detroit Diesel electronically controlled engine as described below:

- Model: Series 60, 14.0L (855 cubic inches)

- Rated Power: 470 bhp at 1800 rpm

- Peak Torque: 1650 lb-ft at 1200 rpm

- Governed Speed: 2100 rpm

- Bore and Stroke: 5.24" x 6.61"

- Number of Cylinders: Six (6)

- Compression Ratio: 16.0:1

Standard equipment on the engine will include the following:

- Governor: Limiting speed type

- Injectors: Cam operated, unit type, clean tip

- Starting Motor: 12-volt

- Turbocharger

- Air To Air Aftercooled

- Lube Oil Cooler

- Lube Oil Filter: Full flow

- Air Cleaner: Farr or equal

- Fuel Filters: Dual, with check valve

- Coolant Filter: Spin-on with shut off valves (precharged with coolant inhibitor)

ENGINE WARRANTY

The engine will come with a five (5) year or 100,000 mile warranty provided by the Detroit Diesel Corporation.

ENGINE INSTALLATION CERTIFICATION

A letter stating Detroit Diesel approves of the engine installation will be provided with this proposal. We will also be prepared to submit an engine manufacturers approval of the completed apparatus at time of delivery.

ENGINE AIR INTAKE

The air intake with Ember Separator will be mounted high on the passenger side of cab, to the front of crew cab door to prevent road dirt and recirculating hot air from entering the engine. The Ember Separator will be easily accessible through a hinged stainless steel grille, with one (1) flush quarter turn latch.



EXHAUST SYSTEM

The exhaust system will be 5.00" diameter.

The exhaust will exit on the right side ahead of the rear wheels.

A heat deflector shield will be provided where the tail pipe is routed under any side compartmentation.

EXHAUST INSULATION BLANKET

An insulation "blanket" wrap will be provided on the exhaust delivery pipe for reduction of heat to the cab. The "blanket" wrap will extend down the exhaust delivery pipe to the bottom of the frame rail.

CLUTCH FAN

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

BY-PASS FUEL FILTER

A Detroit Diesel Fuel Pro-382 filtering system will be provided. The fuel filtering system will be remote mounted on the chassis.

The system will have the following features:

- Self priming port
- Clear cover
- Single filter system (replaces primary and secondary filters)
- Fuel heater
- Drain valve
- Aluminum cylinder (act as fuel cooler).

ENGINE HEATER

A 1500 watt, 120 volt, immersion type engine heater will be installed with the AC power inlet located to the rear of the driver's door.

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".

COOLANT LINES

Silicone hoses will be used for all engine coolant/heater lines installed by Pierce Manufacturing.

Hose clamps will be the stainless steel constant torque type to prevent coolant leakage. They will expand and contract according to coolant system temperature thereby keeping a constant clamping pressure on the hose.



RADIATOR

Radiator and the complete cooling system will meet or exceed NFPA cooling system standards. Cooling system capacity will exceed all cooling requirements specified by the engine manufacturer under all truck operating conditions. It will have a built-in low coolant sight glass and an electronically controlled low coolant display mounted on the instrument panel. An integral surge and deaeration tank will be provided to optimize the cooling system for all operating conditions.

The cooling system will be designed to maintain pressure at nine (9) psi for maximum dissipation. A drain valve will be located at the lowest point of the cooling system and at other points to permit complete flushing of the coolant from the system. Cooling air will be drawn in by a heavy-duty fan, shrouded by recirculation shields that permit only fresh cool air through the radiator.

Radiator will be of the serpentine design and bonded together by the patented "beta-weld" process for increased strength, longer road life and solder-bloom corrosion protection. Radiator will be mounted in a manner to prevent the development of leaks caused by twisting or straining when the apparatus operates over uneven ground. Radiator core will be compatible with commercial antifreeze solutions. Cooling system will exhibit rapid warm-up without use of radiator shutters.

FUEL TANK

A 65-gallon fuel tank will be provided and mounted at the rear of the chassis. The tank will be constructed of 12-gauge, hot rolled steel. It will be equipped with swash partitions and a vent.

A .75" drain plug will be located in a low point of the tank for drainage.

A fill inlet will be located on the driver's side of the body and is covered with a hinged, spring loaded, stainless steel door that is marked "Diesel Fuel Only".

A .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% of tank volume.

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

AUXILIARY FUEL PUMP

An auxiliary electric fuel pump will be added to the fuel line for priming the engine. A switch located on the cab instrument panel will be provided to operate the pump.

LABEL, FUEL DOOR

A label will be provided, one each side, to read "Diesel fuel only".

FUEL SHUTOFF

A shutoff valve will be installed in the fuel line, on both sides of the fuel filters.

DRIVELINE SAFETY LOOP

A driveline safety loop will be provided to help retain the drive shaft in the event of a drive shaft or cardan joint failure.

two (2).



TRANSMISSION

An Allison Gen IV, model EVS 4000P, electronic, torque converting, automatic transmission will be provided.

Two (2) PTO openings will be located on left side and top of converter housing (positions 8 o'clock and 1 o'clock).

A transmission temperature gauge with red light and buzzer will be installed on the cab instrument panel.

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: 1st - 3.51 to 1.00, 2nd - 1.91 to 1.00, 3rd - 1.43 to 1.00, 4th - 1.00 to 1.00, 5th - 0.74 to 1.00, R - 4.80 to 1.00.

TRANSMISSION COOLER

A transmission oil cooler will be provided in the lower tank of the radiator.

TRANSMISSION WARRANTY

The transmission will have a five (5) year/Unlimited mileage warranty covering 100% 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.

DRIVELINE

Drivelines will be a heavy duty metal tube and be equipped with Spicer 1810 universal joints.

The shafts will be dynamically balanced before installation.

A splined slip joint will be provided in each driveshaft, slip joint will be coated with Glidecoat or equivalent.

STEERING

Dual Sheppard M110 steering gears, with integral heavy-duty power steering, will be provided. The power steering will incorporate a Vickers V20NF hydraulic pump with integral pressure and flow control. The steering wheel will be 18.00" in diameter, and capable of tilting and telescoping.

STEERING WARRANTY

The steering gear will have a three (3) year parts & labor warranty.

TIRES

Front tires will be Goodyear radials 385/65R22.5, 18 ply G286 tread. The tires will be mounted on 22.50" x 12.25" steel disc-type wheels with a ten (10) stud, 11.25" bolt circle.

Rear tires will be four (4) Goodyear radials 12R22.50, 16 ply highway G149 RSA tread. The tires will be mounted on 22.50" x 8.25" steel disc-type wheels with a ten (10)-stud 11.25" bolt circle.

LUG NUT COVERS

Chrome plated lug nut covers will be installed on all lug nuts.

MUD FLAPS

Mud flaps with a Pierce logo will be installed behind the front and rear wheels.



CAB

The Lance 2000 cab has been specifically designed for the fire service and manufactured by Pierce Manufacturing.

Construction of the cab will consist of 5052-H32 .125" aluminum welded to extruded aluminum framing.

The cab will be built by Pierce Manufacturing within our own facility located on our premises.

The cab and crew cab will be separate modules and only the forward section will tilt.

The cab and crew cab will be installed on the chassis frame, in a diamond shaped mounting pattern, one (1) cab mount front, one (1) rear, and one (1) each side at center.

Removable access panels will be provided, in the rear facing seat backs, one (1) each side, to access the cab lock down mechanisms.

The cab will be 96.00" wide, with an interior width of 87.50".

The forward cab section will have an overall height (from the cab roof to the ground) of approximately 99.00". The crew cab section will have a 22.00" raised roof, with an overall cab height of approximately 121.00". The overall height listed will be calculated based on a truck configuration with the lowest suspension weight ratings, the smallest diameter tires for the suspension, no water weight, no loose equipment weight and no personnel weight. Larger tires, wheels and suspension will increase the overall height listed.

The extended crew cab will provide an adequate area for command accessories and measure no less than 73.50" from front to rear.

Floor to ceiling height inside the cab will be 57.50".

Floor to ceiling height inside the crew cab will be 74.50".

The overall height of the cab will not exceed 134.00" in the raised position. The cab will tilt a minimum of 38 degrees and the engine will be easily accessible and capable of being removed, with the cab tilted.

A seal will be placed between the cab and crew cab to keep out air, water, and dirt.

It will be open between the cab and crew cab, to allow visual and audio communication between the firefighters.

The cab and crew cab access steps will be 12.00" deep, located inside the door, protecting the step from weather elements.

The cab access steps will be 22.00" wide, crew cab will be 26.00" wide x 8.00" minimum depth, located inside the door, protecting the step from weather elements.

Inside cab steps will not exceed 16.50" in height.

The crew cab entrance will be of the two (2) step design for easy entrance.

A 20.00", slip resistant handrail will be provided adjacent to all door openings, to assist entrance into the cab.



The cab doors will be approximately 35.00" wide x 69.00" high.

The crew cab door will be approximately 28.00" wide x 83.00" high for easy entry and located on the side of the cab.

The door will be located in the standard location on passenger side.

The cab and crew cab doors will be constructed of extruded aluminum with a nominal material thickness of .125". The exterior skins will be constructed from .090" aluminum.

All cab and crew cab entry doors will contain a conventional roll down window.

Flush mounted, chrome plated paddle type door handle will be provided on the exterior of the cab doors.

All interior cab door handles will also have flush paddle handles.

The cab doors will be provided with both interior (rotary knob) and exterior (keyed) locks as required by FMVSS 206. 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.

The door hinge will be a stainless steel piano type with a .25" pin.

There will be double automotive type rubber seals around the perimeter of the door framing and door edges, to ensure a weather tight fit.

Polished stainless steel scuffplates will be installed on the inside of all cab doors, extending from the bottom of the door to 9.00" above the floor line.

The engine hood side walls will be constructed of .50" aluminum. The engine hood top will be constructed of .19" aluminum and will be tapered to allow for more driver and passenger elbowroom.

The engine hood will be insulated for protection from heat and sound. The noise insulation will keep the DBA level within the limits stated in the current NFPA series 1900 pamphlet.

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

Bright aluminum treadplate will be overlayed on the outside rear wall of the crew cab except for areas that are not typically visible when the cab is lowered.

A curved, safety glass windshield will provide over 2,754 square inches of clear viewing area.

The cab windshield will have bright trim inserts in the rubber molding, holding the glass in place.

All cab glass will be tinted.

Economical windshield replacement glass will be readily available from local auto glass suppliers.

Two (2) smoked Lexan sunvisors, 8.75" wide x 31.00" long, will be provided. The sunvisors will be located above the windshield with one (1) mounted on each side of the cab.

Two (2) electric windshield wipers, with washer, that meet FMVSS and SAE requirements will be provided.



The windshield washer fluid reservoir, will be located under the cab floor, on the passenger side of the cab. The filler neck will be extended up into the cab compartment, to allow the fluid to be refilled easily.

A certification letter from Dana, stating they approve of the wiper system will be furnished upon request. The wiper system was run through 3,000,000 cycles, and achieved certification parameters.

CAB INTEGRITY CERTIFICATION

Pierce manufacturing will provide a cab crash test certification with this proposal. The certification states that the cab must meet or exceed the requirements below:

- European Occupant Protection Standard ECE Regulation No.29
- SAE J2422 Cab Roof Strength Evaluation Quasi-Static Loading Heavy Trucks
- SAE J2420 COE Frontal Strength Evaluation Dynamic Loading Heavy Trucks
- Roof Crush

The cab will be subjected to a roof crush force of 26,400 lbs. This value will be 120% of the ECE 29 criteria, and equivalent to the front axle rating up to a maximum of 10 metric tons.

- Side Impact

The cab will be subjected to dynamic preload when a 14,060 lb moving barrier is slammed into the side of the cab at 5.1 mph, striking with an impact of 12,200 ft-lbs of energy. This test will closely represent the forces a cab will see in a roll-over incident.

- Frontal Impact

The cab will withstand a frontal force produced from 65,000 ft-lbs of energy using a swing-bob type platen.

CAB FLOOR

The cab and crew cab floor areas will be covered with Polydamp™ acoustical floor mat consisting of a black pyramid rubber facing and closed cell foam decoupler.

The top surface of the material has a series of raised pyramid shapes evenly spaced, which offer a superior grip surface. Additionally, the material has a .25" thick closed cell foam (no water absorption) which offers a sound dampening material for reducing sound levels.

CREW CAB WINDOWS

On each side of the crew cab, a window, with tinted glass, will be provided.

WINDOW DEFROST FANS

Two (2) window defrost fans will be mounted on the ceiling of the cab, located on each side of the cab.

WINDOW DEFROST FANS

Two (2) window defrost fans will be mounted on the ceiling of the crew cab, one will be located on each side of the crew cab.

on the ceiling near the rear wall, facing forward.

OVERHEAD CABINET

An overhead cabinet will be provided. The cabinet will be split in two (2) equal sections with sliding doors on each section.



The cabinet will be constructed of aluminum with sliding Plexiglas doors in an aluminum extrusion. The cabinet will be painted the same color as the cab interior.

The length of the cabinet will be 60.00" long by 14.00" high by 14.00" deep.

CABINET, COMMAND CENTER

A two (2) drawer file cabinet will be provided under the desk top work surface. The bottom drawer will be large enough to hold a hanging file. The top drawer will be made as large as possible and still fit under the desk top.

The cabinet will be constructed of plywood covered with a white plastic laminate.

The overall dimensions will be 28.00" high by 16.00" wide by 18.00"deep.

A total of one (1) will be provided.

SEATING

Installed in the Command Cab will be an adjustable pedestal chair with a folding back. The cushion seat will be 18.00" high x 16.00" wide x 16.00" deep.

The plug-in pedestal under the seat will have a control to allow instant height adjustment. from 13.00" to 20.00".

The pedestal base will be a cast aluminum partially recessed into the floor of the cab. This chair will not be used while the vehicle is in motion and does not require a seat belt. Storage for this chair will be in any existing available area with a latching mechanism to hold the chair in place when vehicle is in motion.

Total number provide in the Command Cab is one (1).

This seat shall not be equipped with the Side Roll Protection components.

COMMAND DESK

An "L" shaped desk top work surface will be provided in the rear of the cab. The work surface will extend from the passenger side of the cab to the drivers side of the cab and back to the rear wall.

The desk top will be constructed of .75" plywood with a white plastic laminate that completely covers all of the plywood.

The dimensions of the desk top will be 90.00" wide by 24.00" deep in the forward section and 54.00" long by 12.00" deep on the side section.

The inside corners will have a smooth radius where the side connects to the front.

FLUORESCENT LIGHT

Interior lighting will consist of Three (3), 120 volt recessed fluorescent, with two (2) 24,00" bulbs.

in the command area.

SHELF FOR PRINTER

A shelf will be provided in the command area, under the desk top, for a computer printer to be installed on.

The shelf will be constructed of aluminum and be provided with a nylon strap to hold the printer onto the shelf.



SWITCH FOR INTERIOR LIGHTS

The interior lighting will be controlled by one (1) 12 volt rocker light switch, located at the Command Desk.

WEATHER STATION

A Weatherpak-400 weather station will be provided in the command center.

The system will include the following items.

- Weatherpak-400 microprocessor
- Direct Readout display with chassis for Weatherpak
- Wind Monitor
- -. Relative Humidity Sensor
- Barometric Pressure
- "Redifit" sensor mount with air temp sensor and solar radiation shield
- Electronic Compass
- Power supply
- Weatherpak Cable
- Stub adapter with micro switch to indicate the Weatherpak is plugged in by a red indication light in the cab instrument panel.
- Storage in roof hatch compartment
- Wiring to command center.

AIR BOTTLE COMPARTMENT

Provided on the passenger side of the cab, to the rear of the crew cab access door, will be an air bottle storage compartment. The compartment will be 22.00" wide x 14.62" high x 24.88" deep.

The compartment will be furnished with an air bottle rack that can hold up to six bottles.

Each slot of the rack will be at least 7.25" wide x 7.25" high x 24.88"deep. Slots are designed for a 6.75" diameter bottle.

The door will be of the double pan construction, similar to the body compartment door, with a "D" ring handle and an Eberhard lock. The inside pan of the door will be covered with stainless steel to prevent air bottles from nicking the paint. A vinyl covered chain will be used as a door check.

CAB DOOR CONTROLS

The front driver and officer doors will have a door lock master switch. The master switches will control all cab door locks.

The rear cab doors will have the standard manual lock control.

All cab doors will be equipped with electric operated windows.

Each door will have a window control that is an automotive style, located on the inside door panel within easy reach.

Each door will have a keyed exterior lock. There will be a concealed switch on the exterior of the cab that operates the cab door locks.

LOGO AND CUSTOMER DESIGNATION ON HORN BUTTON

The steering wheel will have an emblem containing the Pierce logo and customer name. The emblem will have three (3) rows of text for customer's department name. There will be a maximum of eight (8) characters in the



first row, eleven (11) characters in the second row and eleven (11) characters in the third row.

The first row of text will be: T

The second row of text will be: B

The third row of text will be: D

GRILLE

A formed, bright finished grille will be installed on the front center of the cab and serve as an air intake to the radiator. The front of the cab will also include a patterned stainless steel trim band.

FENDER CROWNS

Stainless steel fender crowns will be installed at cab wheel openings. The fender crowns will have a radius outside corner, that will allow the fender crown to extend out further than the standard width crown thus extending beyond the side wall of the front tires, and also allow the crew cab doors to open fully.

MOLDING (on sides of cab)

Chrome molding will be provided on both sides of cab.

CAB LIFT

A hydraulic cab lift system will be provided consisting of an electric powered hydraulic pump, dual lift cylinders, and necessary hoses and valves.

The hydraulic pump will have a manual override for backup in the event of electrical failure.

Lift controls will be on a panel located on the pump panel or front area of the body in a convenient location.

In addition to the panel controls, a 15' remote control will be provided for raising and lowering the cab. The remote control will be stored in the cab. The receptacle for the remote control will be located next to the master controls on the panel.

Cab will be locked down by a two (2)-point automatic spring loaded hook mechanism that actuates after the cab has been lowered.

The hydraulic cylinders will be equipped with a velocity fuse that protects the cab from accidentally descending when the control is located in the tilt position.

A redundant mechanical stay arm will automatically be engaged once the cab has been fully raised. Before lowering the cab, this device must be disengaged using the stay arm control located near the cab raise/lower switch.

INTERLOCK, CAB LIFT TO PARKING BRAKE

The cab lift system will be interlocked to the parking brake. The cab tilt mechanism will be active only when the parking brake is set and the ignition switch is in the on position, if the parking brake is released the cab tilt mechanism will be disabled.

MIRRORS

Deluxe, full length west coast stainless steel mirrors with a 6.00" x 16.00" flat section will be provided and mounted, one (1) on each cab door.



CONVEX MIRRORS

A 8.00" diameter round convex mirror will be installed below each west coast mirror head.

BUMPER

A one (1) piece, ten (10) gauge, 304-2B type polished stainless steel bumper, a minimum 10.00" high will be attached to a bolted modular extension frame constructed of 50,000 psi tensile steel "C" channel mounted directly behind it to provide adequate support strength.

The bumper will be extended 22.00" from front face of cab.

Documentation will be provided, upon request to show that the options selected have been engineered for fit-up and approval for this modular bumper extension.

GRAVEL PAN

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

TOW EYES

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

The inner and outer edges of the tow eyes will have a 0.25" radius.

The tow eyes will be painted job color.

CAB INTERIOR

The cab dash fascias will be a wrap-around design to provide easy access of controls and will be constructed out of high impact ABS plastic.

The officer side dash, engine tunnel and upper door liners will be padded and covered with 46 ounce leather grain vinyl resistant to oil, grease and mildew.

The headliner will be installed in both forward and rear cab sections. Headliner material will be vinyl. A sound barrier will be part of its composition. Material will be installed on aluminum sheet and securely fastened to interior cab ceiling.

Forward portion of cab headliner will provide easy access for servicing electrical wiring or for other maintenance needs without removing the entire unit.

The upper and lower rear wall panels will be padded and covered with 46 ounce leather grain vinyl resistant to oil, grease and mildew.

The side wall panels next to the seat positions will be padded and covered with 46 ounce leather grain vinyl which is resistant to oil, grease and mildew.

CAB INTERIOR UPHOLSTERY

The cab interior upholstery will be dark silver gray.

INTERIOR PAINT (Cab)

A rich looking interior will be provided by painting all the metal surfaces inside the cab gray, vinyl texture

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paint.

GRAB HANDLE

A black rubber covered grab handle will be mounted on the door post of the driver's and officer's side cab door to assist in entering the cab. The grab handle will be securely mounted to the post area between the door and windshield.

The driver's grab handle will be 3.00" higher than the officer's grab handle, to allow additional clearance between the steering wheel and grab handle.

CAB SEATING

A Seats Inc. #911 "scissors-action" air-ride high-back style seat will be provided in the cab for the driver.

The driver's seat will be furnished with three (3)-point shoulder type seat belt. The seat belt will be furnished with automatic retractor. Extension will be provided with the seat belt so the male end can be easily grasped and the female end easily located while sitting in a normal position.

The seat back will be removable for ease of access to components located behind the driver seat.

A Seats Inc. #911 "scissor-action" air ride high back style seat will be provided in the cab for the officer.

The officer's seat will be furnished with three (3)-point shoulder type seat belt. The seat belt will be furnished with automatic retractor. Extension will be provided with the seat belt so the male end can be easily grasped and the female end easily located while sitting in a normal position.

SEAT UPHOLSTERY

All Seats Inc. 911 seat upholstery will be gray woven with black Imperial 1200 material.

SEAT BELTS (red)

All seating positions in cab and crew cab will have red seat belts.

SHOULDER HARNESS HEIGHT ADJUSTMENT

All seating positions furnished with three (3)-point shoulder type seat belts, will include a height adjustment. This adjustment will optimize the belts effectiveness and comfort for the seated firefighter.

FOLD UP SEAT

In addition to the stationary crew cab seats, one (1) fold up seat with retractable 3 point seat belt will be provided on the rear wall. The fold up seat will be provided Center rear wall between outboard fold downs.

The seat will be constructed of heavy grade vinyl over foam rubber and will have the bottom covered with brushed stainless steel for a pleasant appearance when the seat is in the up position.

In addition to the stationary crew cab seats two (2) fold up seats with retractable 3 point seat belts will be provided on the Outboard one each side rear wall crew cab of the rear wall.

The seats will be constructed of a heavy grade vinyl over foam rubber and will have the bottom and side of the seat covered with brushed stainless steel for a pleasant appearance when the seat is in the up position.



CAB WARRANTY

Limited Warranty

Except as provided below, and provided the vehicle will have been placed in service within 60 days after delivery to the original purchaser as established by our original invoice, for a period of ten (10) years after delivery to the original purchaser or the first 100,000 miles of use, whichever first occurs, Pierce Manufacturing Inc. ("Pierce") warrants to the user that its custom fire and/or rescue vehicle cab are free of defects in design or workmanship in the cab tubular support and mounting supports and other cab structural components identified in Pierce specifications. This limited warranty will apply only if the vehicle is properly maintained and used in service which is normal to the particular vehicle. Normal service means service which does not subject the vehicle to stresses or impacts greater than normally result from the careful use of the vehicle or chassis. If the buyer discovers a defect or nonconformity it must notify Pierce in writing within 30 days after the date of discovery. This limited warranty is not transferable by the first user.

A copy of the Pierce warranty is included with this proposal.

ENGINE COMPARTMENT LIGHTS

Two (2) engine compartment lights will be installed under the engine hood, with an integral switch. The lights will have a .125" diameter hole in its lens to prevent moisture retention.

CAB INTERIOR LIGHTING

Auxiliary lights will be provided in the cab and consisting of:

- Two (2) Weldon, Model 8081-6978-68, Red/Clear dome light located, one (1) on the officer side and one (1) on the driver side, controlled by the following:

Clear forward light controlled by the door switch and the lens switch.

Red rearward light controlled by the lens switch.

- Two (2) Adjustable Map Lights: With switches mounted on the cab ceiling
- A Courtesy Light at Each Door Opening: Controlled by automatic door switches.

CREW CAB INTERIOR LIGHTING

Auxiliary lights will be provided in the crew cab and consist of:

- Two (2) Weldon, Model 8081-6978-68, Red/Clear dome lights located one (1) each side, controlled by the following:

Clear forward light controlled by the door switch and the lens switch.

Red rearward light controlled by the lens switch.

- A courtesy light at each door opening, controlled by automatic door switches

CAB HEATER

There will be a 40,000 BTU heater in the cab located below the right side cab dash.

The heater/defroster ventilation will be built into the design of the cab dash instrument panel.

The heater ducts will be vented in a manner to provide heat directed towards the officer and the driver.

The defroster ducts will be designed to provide maximum defrosting capabilities for the front cab windows.

Heater defroster controls will be located on the cab dash within easy reach of the driver.



AIR CONDITIONING

A high performance air conditioning system will be furnished inside the cab and crew cab.

A 19.0 cubic inch compressor will be installed on the engine.

A roof mounted condenser will be installed on the cab roof.

Two (2) evaporator units will be installed in the cab, located in the following locations:

- One (1) in the cab dash, just to the front of the officer
- One (1) in the crew cab, mounted to ceiling

The air conditioning system will have adjustable air outlets incorporated into the cab dash at both the driver and officer positions. The evaporator unit in the crew cab will have adjustable air outlets located directly on the evaporator unit.

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

INTERIOR CAB INSULATION

The cab and crew cab walls will be insulated with 2.00" insulation where possible and the roof with 1.00" insulation to aid in cooling.

The insulation will be covered with a vinyl liner or a metal panel painted to match the interior.

3rd AIR CONDITIONING EVAPORATOR

A third evaporator unit will be installed in the cab located on the engine tunnel, next to the officer. This evaporator will increase the performance of the standard system. The evaporator will be covered with padded vinyl to cab interior. The evaporator unit will have adjustable air outlets to direct the air flow into the cab.

AIR CONDITIONING 120 VOLT

A Coleman Polar Mach air conditioning unit will be provided. The unit is 10.63" high, located on the crew cab roof, and weighs 96 pounds. The air conditioning unit will be provided with a two (2) speed compressor which is rated for 282 CFM at low speed and 310 CFM at high speed. The evaporator rating will be 10,700 BTU.

INTERIOR CAB INSULATION

The cab and crew cab walls will be insulated with 2.00" insulation where possible and the roof with 1.00" insulation to aid in cooling.

The insulation will be covered with a vinyl liner or a metal panel painted to match the interior.

CAB INSTRUMENTATION

Instrument panel controls and switches will be identified as to function by imprinted labels adjacent to each item. Actuation of the headlight switch will illuminate ("back lit") wording for after dark operation.

To avoid confusion, warning indicators will be (where possible) the "dead front" type, meaning the warning light and word identification of same does not show up unless it is necessary.

Instrument panel gauges, vehicle lights and other electrical accessories will use proper size wiring to accommodate expected current load. Wiring will meet SAE J-1128 specifications for high temperature (250 degrees Fahrenheit min.) conditions and be color, number and function coded.



Cab instruments and controls will be conveniently located within the forward cab section. Gauges and emergency vehicle switches will be installed on removable panels for ease of service.

INFORMATION CENTER

An information center employing a 7" diagonal 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 F
- An Optical Gel will be placed between the LCD and protective lens
- Five weather resistant user interface switches
- Black enclosure with gray decal
- Sunlight Readable
- Linux operating system
- Minimum of 400nits rated display

OPERATION

The information center will be designed for easy operation for everyday use.

The page button will cycle from one screen to the next screen in a rotating fashion.

A video button will allow a NTSC signal into the information center to be displayed on the LCD. Pressing any button while viewing a video feed will return the information center to the vehicle information screens.

A menu button will provide access to maintenance, setup and diagnostic screens.

All other button labels will be specific to the information being viewed.

GENERAL SCREEN DESIGN

Where possible, background colors will be used to provide "At a Glance" vehicle information. If information provided on a screen is within acceptable limits, a green background will be used. If a caution or warning situation arises the following will occur:

- An amber background/text color will indicate a caution condition.
- A red background/text color will indicate a warning condition.

Every screen will include the following:

- Exterior Ambient Temperature
- Time (12 or 24 hour mode)
- Text Alert Center:
- The information center will utilize an "Alert Center" to display text messages for audible alarm tones. The text messages will be written to identify the item(s) causing the audible alarm to sound. If more then one (1) text message occurs, the messages will cycle every second until the problem(s) have been resolved. The background color for the "Alert Center" will change to indicate the severity of the "warning" message. If a warning and a caution condition occur simultaneously, the red background color will be shown for all alert center messages.
- Button Labels: A label for each button will exist. The label will indicate the function for each active button for each screen. Buttons that are not utilized on specific screens will have a button label with no text.

PAGE SCREENS

The Information center will include the following screens:

Load Manager Screen: A list of items to be load managed will be provided. The list will provide:



- Description of the load

- Individual load shed priority: The lower the priority number the earlier the device will be shed should a low voltage condition occur.

- Load Status: The screen will indicate if a load has been shed (disabled) or not shed.

"At a Glance" color features are utilized on this screen

Do Not Move Truck: The Do Not Move Truck screen will indicate the approximate location and type of item that is open or is not stowed for travel. The actual status of the following devices will be indicated:

- Driver Side Cab Door
- Passenger's Side Cab Door
- Driver Side Crew Cab Door
- Passenger's Side Crew Cab Door
- Driver Side Body Doors
- Passenger's Side Body Doors
- Rear Body Door(s)
- Ladder Rack (if applicable)
- Deck Gun (if applicable)
- Light Tower (if applicable)
- Hatch Door (if applicable)
- Stabilizers (if applicable)
- Steps (if applicable)
 - Any other device that is opened, extended, or deployed that creates a hazard or is likely to cause damage to the apparatus if the apparatus is moved, will cause an "Alert Center" message if the parking brake is disengaged.

Chassis Information: The following information will be shown:

- Engine RPM
- Fuel Level
- Battery Voltage
- Engine Coolant Temperature
- Engine Oil Pressure

"At a Glance" color features are utilized on this screen

Active Alarms List: This screen will show a list of all active text messages. The list items text will match the text messages shown in the "Alert Center". The date and time the message occurred is displayed with each message in the list.

MENU SCREENS

The following screens will be available through the Menu button:

View System Information: A detailed list of vehicle information:

- Battery Volts
- Pump Hours
- Transmission Oil Temperature
- Pump Engaged
- Engine Coolant Level
- Engine Oil Level
 - Oil level will only be shown when the engine is not running
- Power Steering Level



Set Display Brightness:

- Brightness: Increase and decrease
 - Default setting button

Configure Video Mode:

- Set Video Contrast
- Set Video Color
- Set Video Tint

Set Startup Screen:

- Choose the screen that will be active at vehicle power-up

Set Date & Time:

- 12 or 24 hour format
- Set time
- Set date

View Active Alarms:

- Shows a list of all active alarms
 - Date and time of the occurence is shown with each alarm
- Silence alarms
 - All alarms are silenced

System Diagnostics:

- Module type and ID number
- Module version
- Module diagnostics information:
 - Input or output number
 - Circuit number connected to that input or output
 - Circuit name (item connected to the circuit)
 - Status of the input or output
 - Power and Constant Current module diagnostic information

Button functions and button labels may change with each screen.

GAUGES AND CONTROLS

The following gauges and controls will be furnished:

Voltmeter gauge

Tachometer

Fuel gauge

Speedometer/odometer

Engine oil pressure gauge, including a low oil pressure sensor, to activate a red warning light and a steady tone alarm.

Air pressure gauges, including the following:

Two (2) gauges, one (1) for the front and the other for the rear brake pressure.



A low air pressure sensor, to activate a red warning light and a steady tone alarm.

Transmission oil temperature gauge, including the following:

A high transmission oil temperature sensor, to activate a red warning

A high transmission oil temperature sensor, to activate a steady tone

Engine coolant temperature gauge, including the following:

A high engine temperature sensor, to activate a red warning light.

A high engine temperature sensor, to activate a steady tone alarm.

Ignition/stop switch

light.

alarm.

Momentary push switch, engine start control switch

Heater and defroster controls

Headlight switch

Turn signal arm, including the following controls:

Self-canceling turn signal.

Headlight dimmer.

Hazard switch, incorporated into the steering column

Emergency warning light control panel

Parking brake control

Horn button control, in the center of the steering wheel

Center indicator light display, including the following if applicable:

Left side:

Left Directional Activated (amber).

High Beam Activated (blue).

Check Engine (amber).

Right Directional Activated (amber).

ABS Activated (amber).

Battery Switch On (green).

Check Transmission (amber).

Right Side:

Right Directional Activated (amber).

Parking Brake Engaged (red).

Stop Engine (red).

ATC Activated (amber).

Ignition Switch On (green).

Transmission Temp High (amber).

⁻ High Air Restriction Warning Indicator Light: LCD message with red warning indicator and audible alarm.



- One two (2)-speed Windshield Wiper Control with Intermittent Feature. The control will also have a "return to park" provision, which allows the wipers to return to the stored position when the wipers are not in use
- Windshield Washer Controls.
- Red indicator light on the cab dash that indicates whenever the cab locks are not fully engaged.

RADIATION DETECTION SYSTEM

There will be one (1) Victoreen Radiation Detection System, Model 1060AM-V from Fluke Biomedical Radiation Management Services provided and installed.

The 1060AM-V detector will be mounted under the front bumper of the vehicle and will detect the presence of Gamma radiation. The detector will be 3.80" high x 11.125" wide x 4.00" deep and will operate off of 12 volt power.

The 1060DA display will be mounted in the cab, within view of the driver. The display will incorporate a digital readout, 90-decibel alarm, and a red light for the detector.

RADIO WITH CD PLAYER

A Panasonic AM/FM/Weatherband stereo radio with compact disc player will be installed.

The compact disc stereo radio will be mounted within reach of the officer.

The quantity and location of the speakers will be one pair of 5.25" speakers located in the cab and two (2) pair of 5.25" speakers, with amp, located in the crew cab.

The type and location of the antenna will be a roof-mounted rubber antenna located in an open space, on the cab roof.

This radio will be installed with remote control. two (2)2-way radio(s) will be installed to be determined.

RADIO ANTENNA MOUNT

There will be seven (7) standard antenna mounting bases, model MATM with 17 feet of coax cable and weatherproof cap, will be provided for 2-way radio installation. The standard mount will be located on the cab roof, just to the rear of the officer seat and the additional mount(s) will be located as shown on the print. The cable will be routed the six will be mounted to the command desk. one obove officers seat will be routed to officer with enough cable for the customer to route it to the instrument panel if needed.

SWITCH PANELS

The built-in emergency light switch panel will have a master switch plus individual switches for selective control. The switch panel will be located in the "overhead" position above the windshield on the driver's side to allow for easy access. Switches will be membrane type with an indicator light, of which is an integral part of the switch.

ELECTRICAL POWER CONTROL SYSTEM

Electrical compartments will be provided in the cab and on the chassis to house the vehicles electrical power, circuit protection and control components. Serviceable components will be accessible.

Power, circuit protection and control components will be protected against the following: Corrosion Excessive heat



Excessive vibration Water spray EMI and RFI.

Circuit protection devices which conform to SAE standard, will be utilized to protect each circuit. 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) or Type-II (manual resetting) and conform to SAE J553 or J258. When required, automotive type fuses conforming to SAE J554,1284,1888 or J2077 will be utilized to protect electronic equipment.

Power control relays and solenoids will have a direct current (dc) rating of 125 percent of the maximum current for which the circuit is protected.

A microprocessor controller will be utilized to achieve advanced control of a fully computerized vehicle network system. The microprocessor based system will be reliable, vibration resistant and moisture proof. The system will comply with all appropriate SAE J1939 recommended practices. This is a compact system which takes advantage of smaller sized components and smaller wire diameters, thus reducing the overall weight of the vehicle.

In addition to the information center, the logic controller will activate status indicators and audible alarms designed to provide warning of problems before they become critical.

The microprocessor controller will include the following attributes:

On-board self diagnostic messages and status indicators.

Automatic self test on startup and during vehicle operation.

Eliminate control logic relays wherever possible.

Provide logic control for NFPA 1901 mandated safety interlocks and indicators.

Utilize control system to eliminate redundant wiring and components.

Improve control system reliability by reducing relay and connector contacts.

Advanced electrical system load management and sequencing system.

Customized control software programmed to reflect the vehicles configuration.

Reprogrammable to accommodate changes to the vehicles operating parameters.

Complete operating and troubleshooting manuals.

CIRCUIT PROTECTION AND CONTROL DIAGRAM

Copies of all "Job Specific", Input/Output (I/O) Sheets will be provided with each chassis.

ON-BOARD ELECTRICAL SYSTEM DIAGNOSTICS

Advanced on-board diagnostic messages will be provided to support rapid trouble shooting of the electrical power and signal system. The diagnostic messages will be displayed on the information center, located at the driver's position.

The on-board information center will include the following diagnostic information:

Multiple diagnostics on display with text description.

Simplified warning indicators (from operators perspective).

Amber "Caution" light with intermittent alarm.

Red "Warning" light with steady tone alarm.

ADVANCED DIAGNOSTICS

An advanced, Windows based, diagnostic software program will be provided. The software will provide advanced trouble shooting tools to service technicians equipped with an IBM compatible computer.



The service and maintenance software will include the following features:

Easy to understand and use.

Ability to view system input/output (I/O) information.

A complete trouble shooting guide will be provided with the vehicle.

INDICATOR LIGHT AND ALARM PROVE-OUT

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

VOLTAGE MONITOR SYSTEM

A voltage monitor system will be provided to indicate the status of the battery system connected to the vehicles 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 VDC for more than two (2) minutes.

POWER AND GROUND STUDS

Four (4) power studs will be provided in the electrical component compartment for two way radio equipment.

The studs will consist of the following:

Stud #1 will be 12-volt 40-amp, controlled by battery switch.

Stud #2 will be 12-volt 100-amp, ground.

Stud #3 will be 12-volt 60-amp, controlled by ignition switch.

Stud #4 will be 12-volt 60-amp, battery direct.

PROGRAMMING ENHANCEMENTS

The microprocessor controller will control all Side Scene, Rear Scene and Perimeter lights. In addition to the control feature for these different light options, these lights will be deactivated when the parking brake is released.

EMI/RFI PROTECTION

The electrical system will reduce undesired electromagnetic and radio frequency emissions. An advanced electrical system will be used to insure radiated and conducted EMI (electromagnetic interference) or RFI (radio frequency interference) emissions are suppressed at their source.

The apparatus will have the ability to operate in the electromagnetic environment typically found in fire ground operations. The contractor will be able to demonstrate the EMI and RFI testing which has been done on similar apparatus and certify that the vehicle proposed meets SAE J1113/14 requirements.

EMI/RFI susceptibility will be controlled by applying appropriate circuit designs and shielding. The electrical system will be designed for full compatibility with low level control signals and high powered two (2)-way radio communication systems. Harness and cable routing will be given careful attention to minimize the potential for conducting and radiated EMI-RFI susceptibility.

HITCH RECEIVER

A hitch receiver will be provided at the front of the vehicle, center position under the bumper extension. The hitch will be a receiver for a 2.00" trailer ball insert and a portable winch with a maximum weight rating of 9,000 pounds.



WINCH

A Warn, model XD9000i multi-mount, 9,000 pound portable 12V electric winch will be provided.

The winch will mount to the vehicle receiver hitch and be held in place with a locking hardened pin. A heavy gauge wire and electrical plug will be provided for quick connection to the vehicle electrical system.

The winch will be provided with 125 feet of .313" galvanized cable with a replaceable clevis hook.

A minimum of a 30' remote control will be provided.

A label will be placed on or near the receiver that states the maximum winch load rating and the maximum rope load rating that the receiver can support.

BATTERY SYSTEM

Six (6)-Deka model 1131XMF, 12 volt, 1000 CCA, 185 reserve capacity, high cycle, maintenance-free, group 31 batteries with a system rating of 6000 CCA at 0 degrees Fahrenheit and 1110 minutes of reserve capacity. The batteries will be provided with threaded posts.

BATTERY SYSTEM

A single starting system will be provided.

An ignition switch and starter button will be located on the instrument panel.

MASTER BATTERY SWITCH

A master battery switch, to activate the battery system, will be provided inside the cab within easy reach of the driver.

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

BATTERY COMPARTMENTS

A well ventilated battery compartment with slide-out tray will be provided on driver side, located below the crew cab floor. Compartment will be 55.00 wide x 14.00 high x 26.00" deep. The door will be a vertical lift up, double pan construction with a "D" ring latch on exterior of crew cab. Batteries will be placed on non-corrosive mats.

Heavy-duty battery cables will be used to provide maximum power to the electrical system. Cables will be color coded.

Battery terminal connections will be coated with anti-corrosion compound. Battery solenoid terminal connections will be encapsulated with semi-permanent rubberized compound.

BATTERY CHARGER

A WFCO, model WF-8875, battery charger will be provided.

The charger will have a maximum output of 75 amps and a fully automatic regulation.

The battery charger will be wired to the 120-volt shoreline to activate automatically when shoreline power is connected.

This unit will also be active as a 12vdc power supply when the on-board generator is activated via a 120VAC transfer switch.



Battery charger will be located in the front left body compartment, mounted adjacent to the compressor in D5.

BATTERY ON INDICATOR

The center cab marker light will be connected to the master battery switch to indicate when the master battery switch is in the "on" position.

ELECTRIC POWER FOR WINCH

Electric power provisions will be furnished for the portable winch from the chassis battery system.

The receiver plug will be located each side of the unit. front, rear, right and left. The front shall be located in the hydraulic connection compartment..

A total quantity of four (4) receptacles will be provided.

JUMPER STUDS

One (1) set of battery jumper studs with plastic color coded covers will be located under the front bumper.

AUTO-EJECT RECEPTACLE

For the engine heater, one (1) receptacle will be provided. The one (1) receptacle will be Kussmaul Auto-Eject 15 WP and will be installed above the front DS wheel.

The Auto-Eject will be connected to the vehicle start buttons, so when the engine is started the Auto-Eject drives the shoreline connection from the inlet. The electrical inlet will include a white spring loaded cover to prevent water from entering the receptacle when the shoreline is not connected.

The electrical receptacle will be 120-volt, 15 amp (NEMA 5-15P). It will be wired to the battery charger with 14-gauge wire that is properly supported and shielded from injury.

CHARGING INDICATOR

A green indicator light, remote mounted next to the battery charger receptacle will be provided. The light will indicate when the battery charging receptacle is active.

ALTERNATOR

A C.E. Niehoff, Model C656 alternator will be provided. It will have a rated output current of 400 amp as measured by SAE method J56. It will have a high volume air cooling fan and fan guard. It will also have a custom three (3)-set point voltage regulator, manufactured by C. E. Niehoff. The alternator will be connected to the power and ground distribution system with heavy-duty cables sized to carry the full rated alternator output.

TERMINAL STRIP, 12 VOLT D.C.

Two (2) terminal strip/s, with five (5) terminals and one (1) ground stud, will be mounted near the command desk. A 12.00" pigtail will be provided from each terminal.

THIRD SPARE CIRCUIT

There will be two (2) pair of wires installed.

The above wires will have the following features:

Wires will be connected directly to the battery power.

Wires are protected to 20 amps.

Power and ground will end TBD.

Termination is with 15 amp, power point plug with rubber cover.

Wires will be sized to 125% of the protection.



SPARE CIRCUIT

There will be two (2) pair of wires installed.

The above wires will have the following features:

Wires will be connected directly to the battery switched power.

Wires will be protected to 20 amps.

Power and ground will end TBD.

Termination will be with six (6) position terminal strip.

Wires will be sized to 125% of the protection.

SECOND SPARE CIRCUIT

There will be two (2) pair of wires installed.

The above wires will have the following features:

Wires will be connected directly to the battery power.

Wires are protected to 15 amps.

Power and ground will end TBD.

Termination is with 15 amp, power point plug with rubber cover.

Wires will be sized to 125% of the protection.

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 will 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 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



SEQUENCER

A sequencer will be provided that automatically activates and deactivates vehicle loads in a preset sequence thereby protecting the alternator from power surges. This sequencer operation will allow a gradual increase or decrease in alternator output, rather than loading or dumping the entire 12 volt load to prolong the life of the alternator.

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

Emergency light sequencing will operate in conjunction with the emergency master light switch. When the emergency master switch is activated, the emergency lights will be activated one by one at half second intervals. Sequenced emergency light switch indicators will flash while waiting for activation.

When the emergency master switch is deactivated, the sequencer will deactivate the warning light loads in the reverse order.

Sequencing of the following items will also occur, in conjunction with the ignition switch, at half second intervals:

Cab Heater and Air Conditioning Crew Cab Heater (if applicable) Crew Cab Air Conditioning (if applicable) Exhaust Fans (if applicable) Third Evaporator (if applicable)

AMP DRAW REPORT

The bidder will provide, at the time of bid and delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system.

The manufacturer of the apparatus will provide the following:

- 1) Documentation of the electrical system performance tests.
- 2) A written load analysis, which will include the following:
 - A) The nameplate rating of the alternator.
 - B) The alternator rating under the conditions specified per: Applicable NFPA 1901 or 1906 (Current Edition).
 - C) The minimum continuous load of each component that is specified per: Applicable NFPA 1901 or 1906 (Current Edition).
 - D) Additional loads that, when added to the minimum continuous load, determine the total connected load.
 - E) Each individual intermittent load.

All of the above listed items will be provided by the bidder per the applicable NFPA 1901 or 1906 (Current Edition).

EXTERIOR LIGHTING

Exterior lighting will meet or exceed Federal Department of Transportation, Federal Motor Vehicle Safety Standards and National Fire Protection Association requirements.



Front headlights will be halogen type, rectangular shape, one (1) pair mounted in each front trim housing.

The LED directional lights will wrap-around on the outside corners of the trim housing. The headlight and LED directional lights will be in the same assembly.

Seven (7) LED clearance and marker lights will be installed across the leading edge of the cab.

DIRECTIONAL (Front)

Front turn signals will be Whelen, 60A00TAR LED amber populated arrow directional lights mounted in cast aluminum housings. The turn signals will be located below the headlights.

Each light will be mounted in a Whelen model Cast1L, polished cast aluminum housing.

In addition to the front facing directional, a K•D Lamp Company, Model 856-31055, incandescent marker/turn indicator will be provided on each side of the cab.

WARNING LIGHTS (Cab Face)

Two (2) pair of Whelen model 60*00F*R LED lights will be installed on the cab face, above the headlights, mounted in a common bezel.

The outer LEDS will be required for NFPA and will meet or exceed the NFPA required light output for the front lower zone.

The color of these LEDs will be red Super LED/red lens.

The inner LEDs will be additional lighting.

The color of these lights will be red Super LED/red lens.

Both sets of lights will be activated by the same switch in the cab.

BACK-UP ALARM

An ECCO, Model SA917-PM2, solid state electronic audible back-up alarm that actuates when the truck is shifted into reverse will be provided. The device will sound at 60 pulses per minute and automatically adjust its volume to maintain a minimum five (5) dba above surrounding environmental noise levels.

REAR VISION SYSTEM

A Safety Vision, model SV-CLCD, single backup camera system will be provided.

The monitor will be located in the cab, center dash. The camera will be located at the rear of truck, as close to the center as possible.

This rear vision system will be activated with the monitor control or when the apparatus is put into reverse.

The following components will be included:

One (1) SV-LCD68 6.80" LCD, color monitor.

One (1) SV-620 120 degree, color camera.

One (1) SV-LCDCB control box.

One (1) cable.



MANUAL, FIRE APPARATUS PARTS

Two (2) custom parts manuals for the complete fire apparatus will be provided in hard copy with the completed unit.

The manual 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 a part

The 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 this manual is 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.

MANUALS, CHASSIS SERVICE

Two (2) chassis service manuals containing parts and service information on major components will be provided with the completed unit.

The manuals 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

The manual will be specifically written for the chassis model being purchased. It will not be a generic manual for a multitude of different chassis and bodies.

MANUALS, CHASSIS OPERATION

Two (2) chassis operation manuals will be provided.

COMMAND ZONE WARRANTY

The Command Zone components will be warranted against defective materials or workmanship for a period of **five (5) years** from the date of delivery to the original purchaser. The warranty will also include a standard repair time for covered components.



A copy of the fire apparatus manufacturer's warranty will be included with the bid.

ELECTRICAL WIRING DIAGRAMS

Three (3) compact discs containing "As-Built" electrical wiring diagrams specifically prepared for the chassis and body will be provided. The diagrams will consist of information pertaining to the 12 VDC systems only. Two (2) CDs will be shipped with the loose equipment with each truck. One (1) CD will be included with the job folder at Pierce Manufacturing for future reference.

Each CD will include the following capabilities:

The capability of viewing each separate diagram.

The capability of zooming in on any section of each separate diagram.

The capability of printing each separate diagram.

The capability of printing each zoomed in area of each separate diagram.

Each CD will include the following items:

Title page, identifying the job number and chassis model.

Table of contents.

Truck specific electrical compartment and instrument layouts for the chassis.

Truck specific electrical compartment layouts for the body.

Applicable drawings from the appropriate standard wiring diagrams.

All truck specific wiring diagrams (special drawings).

Harness drawings for all wiring harnesses used on the chassis.

Harness drawings for all wiring harnesses used on the body.

All truck input and output programming sheets (multiplexed trucks only).

There will be one (1) hard copy of these diagrams required for this unit.

Two truck order in this order for multiple order credit.

HEAVY DUTY RESCUE BODY CONSTRUCTION

The rescue body will be of all aluminum construction. The body will use .125" (3 mm) and .188" (5 mm) 5052 aluminum with a tensile strength of 38,000 psi and a yield strength of 31,000 psi for the front, rear and side panels. The compartment dividers and compartment backs will also use aluminum. The structural support framing and the gussets used will be of 2.00" (51 mm) square .125" (3 mm) wall 6061 aluminum alloy tubing. All exterior body corners will be 3.00" (76 mm) radius aluminum, corrosion resistant alloy 6061 extrusions. Spacing of the 2.00" (51 mm) vertical supports will not exceed 14.00" (356 mm) on center. The roof and corner extrusions will be reinforced with interconnecting gusset supports at all stress points. The body will be properly welded into a unitized construction. Proper reinforcing and supports will be utilized throughout all construction to ensure strength and rigidity.

MODULE FABRICATION AND DESIGN

The substructure for the body will not be integral with the body but be a separate assembly. The body will be built as a separate module prior to being mounted onto the substructure.

BODY AND COMPARTMENT SUPPORT

The body will be supported by 2.00" (51 mm) x 2.00" (51 mm) x .25" (6 mm) wall aluminum tubing. The cross sill tubes will be spaced approximately 15.00" (381 mm) on center and interconnected to the body from the front to rear.

A 1.00" (25 mm) x 3.00" (76 mm) aluminum bar will be used as a stringer and will be welded to the cross sills. The stringer will be used to mount the body to the chassis frame rails. A 3.00" (76 mm) x .75" (19 mm) rubber liner will be placed on top of the chassis frame rails. The liner is used to prevent metal to metal contact where



the body stringer rests on the chassis frame rails.

The body will be secured to the chassis frame by a minimum of six tie-down assemblies. Each tie-down assembly will consist of two 2.00" (51 mm) x 6.25" (159 mm) x .75" (19 mm) steel plates and two .50" (13 mm) steel rods, 14.00" (356 mm) long. The tie downs will be easily accessible so that the body may be removed.

The bottom of each lower compartment floor will be supported by an underslung steel angle grid. The underslung support will be constructed of .50" (13 mm) x 2.50" (64 mm) x 2.50" (64 mm) steel angle vertical supports. Horizontal members will be .38" (10 mm) x 2.00" (51 mm) x 3.00" (76 mm) and .38" (10 mm) x 2.50" (64 mm) x 3.50" (89 mm) steel angle. The compartment floors will be bolted to the underslung substructure. The support will transfer major stress to the chassis frame and not through the body.

The underslung structure will be bolted to the chassis frame rails with Grade 8 bolts. The complete substructure will be washed, primed and finish painted before being bolted to the chassis frame.

A rubber coating will be applied over the painted underslung support structure for an additional corrosion barrier.

ROOF CONSTRUCTION

The roof will be integral with the body construction. The roof will be constructed of .125" (3 mm) bright aluminum treadplate and supported by 2.00" (51 mm) square .125" (3 mm) wall tubing welded in place approximately 12.00" (305 mm) on center. The roof will be further reinforced with 2.00" (51 mm) square gussets welded approximately every 48.00" (1,219 mm). The roof perimeters will be constructed of a 3.00" (76 mm) radius extrusion with an integral drip molding. The roof extrusion will also have an inset allowing the roof panel to be recessed into the extrusion giving further support and sealing effect at the outside edge.

The roof panel will be welded to the roof extrusions and supports. All roof seams will be continuously welded using a gas metal arc welding (GMAW) spray transfer mode process that uses ER5356 welding wire.

BODY WARRANTY

A copy of the fire apparatus manufacturer's warranty will be included with the bid. The warranty will state that the body will be free of structural failures caused by defective design or workmanship for a warranty period of fifteen (15) years from the date the new vehicle is first delivered or 100,000 miles, whichever occurs first, and that defective parts under the warranty will be repaired or replaced without charge to the original purchaser.

BODY LENGTH

The length of the body will be 272.00" (6,909 mm).

BODY HEIGHT

The height of the body will be 98.00" (2,489 mm) without any roof mounted options.

ROOF CONFIGURATION

The roof will be flat without any recessed items.

ROLL-UP DOORS

Five (5) compartment doors will be installed on the side compartments that are an anodized satin finish. The doors will be double faced aluminum construction manufactured by A&A Manufacturing (Gortite).

Lath sections will be an interlocking rib design and will be individually replaceable without complete disassembly of the door.

Between each slat at the pivoting joint will be a PVC inner seal to prevent metal to metal contact and Page 36 of 69



prevent dirt or moisture from entering the compartments. Seals will allow door to operate in extreme temperatures ranging from plus 180 to minus 40 degrees Fahrenheit. Side, top and bottom seals will be provided to resist ingress of dirt and weather and be made of Santoprene.

All hinges, barrel clips and end pieces will be nylon 66. All nylon components will withstand temperatures from plus 300 to minus 40 degrees Fahrenheit.

A polished stainless steel lift bar with locking key latches shall be provided for each roll-up door. The keys shall be model #1250 to match all compartment doors. The lift bar will be located at the bottom of door and have latches on the outer extrusion of the doors frame. A ledge will be supplied over lift bar for additional area to aid in closing the door.

The doors will be constructed from an aluminum box section. The exterior surface of each slat will be flat. The interior surfaces will be concave to provide strength and prevent loose equipment from jamming the door from inside.

To conserve space in the compartments, the spring roller assembly will not exceed 3.00" in diameter.

The header for the roll-up door assembly will not exceed 4.00".

A heavy-duty magnetic switch will be used for control of the interior compartment lights and the "open compartment door" warning light in the cab.

All mechanical components of the door will be warranted to be free from defects in materials and workmanship for the lifetime of the vehicle. All parts covered under this warranty will be to the original owner.

Except as provided below, and provided the vehicle has been placed in service within 60 days after delivery to the original purchaser as established by our original invoice, for a period of six (6) years after delivery to the original purchaser, A&A Manufacturing Inc. ("A&A") warrants to the user that its roll up doors (if painted) are free of blistering, peeling, bubbling, or any other adhesion defect caused by defective manufacturing methods or paint material selection for exterior surfaces of the roll up doors. This limited warranty will apply only if the vehicle is properly maintained and used in service which is normal to the particular vehicle. Normal service means service, which does not subject the vehicle to stresses or impacts greater than normally result from the careful use of the vehicle. If the buyer discovers a defect or nonconformity, the buyer must notify Pierce in writing within 30 days after the date of discovery. This limited warranty is not transferable by the first user and is applicable to the vehicle in the following percentage costs of warranty repair, if any:

Months	Adhesion	Blistering	Bubbling	Corrosion	Cracking	Gloss	Color Retention
0 to 12	100%	100%	100%	100%	100%	100%	100%
13 to 24	100%	100%	100%	100%	100%	100%	100%
25 to 36	100%	100%	100%	100%	100%	100%	100%
37 to 48	50%	50%	50%	50%	100%	100%	100%
49 to 60	25%	25%	25%	25%	50%	50%	50%
61 to 72	25%	25%	25%	25%	50%	50%	50%.

In addition, the door shall also be warranted against corrosion perforation for a period of ten (10) years.

EXTERIOR COMPARTMENTS

The exterior compartment layout, dimensions and requirements will be minimum specifications. The doors will be able to withstand years of rugged service and wear. For this reason, the compartment door



design, metal thickness and attachments will be strictly adhered to. The compartment will be constructed of .125" (3 mm)-corrosion resistant aluminum alloy, including all interior panels, floor and sides. The assemblies will be held inside fixtures while being welded.

Compartment flooring will be of the sweep out design with the floor higher than the compartment door frame. All compartments will be supported on top, rear and bottom. The rear wall of each exterior compartment will be welded to the cross sills. Drip protection will be provided over all door openings with an integral roof extrusion or aluminum extrusion.

WHEEL WELLS

The rear fenders will be an integral part of the body sides and compartments. The inside of the fender will be fitted with a full circular inner fender liner. All screws and bolts, which protrude into a compartment, will have acorn nuts attached.

LEFT FORWARD COMPARTMENTS

First Compartment

Located behind the cab will be the first compartment. The compartment dimensions will be 38.50" (978 mm) wide x 66.88" (1699 mm) high x 26.00" (660mm) deep at the floor level. The area over the frame rails will be 38.50" (978 mm) wide x 49.25" (1251 mm) high and will extend through to the right side of the body. The compartment door frame opening will be 36.00" (914 mm) wide x 64.00" (1626 mm) high. The compartment clear door opening will be 33.50" (851 mm) wide x 58.00" (1473 mm) high.

Second Compartment

Located behind the first compartment will be the second compartment. The compartment dimensions will be 50.88" (1292 mm) wide x 66.88" (1699 mm) high x 26.00" (660mm) deep at the floor level. The area over the frame rails will be 50.88" (1292 mm) wide x 49.25" (1251 mm) high and will extend through to the right side of the body. The compartment door frame opening will be 48.00" (1219 mm) wide x 64.00" (1626 mm) high. The compartment clear door opening will be 45.50" (1156 mm) wide x 58.00" (1473 mm) high.

Third Compartment

Located behind the second compartment, and ahead of the rear wheels, will be the third compartment. The compartment dimensions will be 50.88" (1292 mm) wide x 66.88" (1699 mm) high x 26.00" (660mm) deep at the floor level. The area over the frame rails will be 50.88" (1292 mm) wide x 49.25" (1251 mm) high and will extend through to the right side of the body. The compartment door frame opening will be 48.00" (1219 mm) wide x 64.00" (1626 mm) high. The compartment clear door opening will be 45.50" (1156 mm) wide x 58.00" (1473 mm) high.

Compartment Loading

The first compartment will be capable of holding 800 pounds (363 kg). The second compartment will be capable of holding 1,100 pounds (499 kg). The third compartment will be capable of holding 1,100 pounds (499 kg). The area over the frame rails, in each compartment, will be capable of holding an additional 1,000 pounds (454 kg). Strain gauge test certification of the compartment loading capacities will be provided upon request.

LEFT OVER WHEEL COMPARTMENT

Located above the rear wheels will be a compartment. The compartment dimensions will be 62.50" (1588 mm) wide x 39.13" (994 mm) high x 26.00" (660mm) deep. The compartment door frame opening will be 57.00" (1448 mm) wide x 36.25" (921 mm) high. The compartment clear door opening will be 54.50" (1384 mm) wide x 31.25" (794 mm) high.



Compartment Loading

The compartment will be capable of holding 600 pounds (545 kg).

LEFT REAR SIDE COMPARTMENT

Located behind the rear wheels will be the left rear side compartment. The compartment dimensions will be 62.50" (1588 mm) wide x 66.88" (1699 mm) high x 26.00" (660mm) deep. The compartment door frame opening will be 60.00" (1524 mm) wide x 64.00" (1626 mm) high. The compartment clear door opening will be 57.50" (1461 mm) wide x 58.00" (1473 mm) high.

RIGHT FORWARD COMPARTMENTS

First Compartment

Located behind the cab will be the first compartment. The compartment dimensions will be 38.50" (978 mm) wide x 66.88" (1699 mm) high x 26.00" (660mm) deep at the floor level. The area over the frame rails will be 38.50" (978 mm) wide x 49.25" (1251 mm) high and will extend through to the right side of the body. The compartment door frame opening will be 36.00" (914 mm) wide x 64.00" (1626 mm) high. The compartment clear door opening will be 33.50" (851 mm) wide x 58.00" (1473 mm) high.

Second Compartment

Located behind the first compartment will be the second compartment. The compartment dimensions will be 50.88" (1292 mm) wide x 66.88" (1699 mm) high x 26.00" (660mm) deep at the floor level. The area over the frame rails will be 50.88" (1292 mm) wide x 49.25" (1251 mm) high and will extend through to the right side of the body. The compartment door frame opening will be 48.00" (1219 mm) wide x 64.00" (1626 mm) high. The compartment clear door opening will be 45.50" (1156 mm) wide x 58.00" (1473 mm) high.

Third Compartment

Located behind the second compartment, and ahead of the rear wheels, will be the third compartment. The compartment dimensions will be 50.88" (1292 mm) wide x 66.88" (1699 mm) high x 26.00" (660mm) deep at the floor level. The area over the frame rails will be 50.88" (1292 mm) wide x 49.25" (1251 mm) high and will extend through to the right side of the body. The compartment door frame opening will be 48.00" (1219 mm) wide x 64.00" (1626 mm) high. The compartment clear door opening will be 45.50" (1156 mm) wide x 58.00" (1473 mm) high.

Compartment Loading

The first compartment will be capable of holding 800 pounds (363 kg). The second compartment will be capable of holding 1,100 pounds (499 kg). The third compartment will be capable of holding 1,100 pounds (499 kg). The area over the frame rails, in each compartment, will be capable of holding an additional 1,000 pounds (454 kg). Strain gauge test certification of the compartment loading capacities will be provided upon request.

RIGHT OVER WHEEL COMPARTMENT

Located above the rear wheels will be a compartment. The compartment dimensions will be 62.50" (1588 mm) wide x 39.13" (994 mm) high x 26.00" (660mm) deep. The compartment door frame opening will be 57.00" (1448 mm) wide x 36.25" (921 mm) high. The compartment clear door opening will be 54.50" (1384 mm) wide x 31.25" (794 mm) high.

Compartment Loading

The compartment will be capable of holding 600 pounds (545 kg).

RIGHT REAR SIDE COMPARTMENT

Located behind the rear wheels will be the right rear side compartment. The compartment dimensions will be 62.50" (1588 mm) wide x 66.88" (1699 mm) high x 26.00" (660mm) deep. The compartment door frame



opening will be 60.00" (1524 mm) wide x 64.00" (1626 mm) high. The compartment clear door opening will be 57.50" (1461 mm) wide x 58.00" (1473 mm) high.

REAR COMPARTMENT

Roll-Up Door

A roll-up door will be installed on the rear compartment that is an anodized satin finish. The door will be double faced aluminum construction manufactured by A&A Manufacturing (Gortite).

Lath sections will be an interlocking rib design and will be individually replaceable without complete disassembly of the door.

Between each slat at the pivoting joint will be a PVC inner seal to prevent metal to metal contact and prevent dirt or moisture from entering the compartments. Seals will allow door to operate in extreme temperatures ranging from plus 180 to minus 40 degrees Fahrenheit. Side, top and bottom seals will be provided to resist ingress of dirt and weather and be made of Santoprene.

All hinges, barrel clips and end pieces will be nylon 66. All nylon components will withstand temperatures from plus 300 to minus 40 degrees Fahrenheit.

A polished stainless steel lift bar with locking key latches shall be provided for each roll-up door. The keys shall be model #1250 to match all compartment doors. The lift bar will be located at the bottom of door and have latches on the outer extrusion of the doors frame. A ledge will be supplied over lift bar for additional area to aid in closing the door.

The door will be constructed from an aluminum box section. The exterior surface of each slat will be flat. The interior surfaces will be concave to provide strength and prevent loose equipment from jamming the door from inside.

To conserve space in the compartments, the spring roller assembly will not exceed 3.00" in diameter.

The header for the roll-up door assembly will not exceed 4.00".

A heavy-duty magnetic switch will be used for control of the interior compartment lights and the "open compartment door" warning light in the cab.

All mechanical components of the door will be warranted to be free from defects in materials and workmanship for the lifetime of the vehicle. All parts covered under this warranty will be to the original owner.

Except as provided below, and provided the vehicle has been placed in service within 60 days after delivery to the original purchaser as established by our original invoice, for a period of six (6) years after delivery to the original purchaser, A&A Manufacturing Inc.. ("A&A") warrants to the user that its roll up doors (if painted) are free of blistering, peeling, bubbling, or any other adhesion defect caused by defective manufacturing methods or paint material selection for exterior surfaces of the roll up doors. This limited warranty will apply only if the vehicle is properly maintained and used in service which is normal to the particular vehicle. Normal service means service, which does not subject the vehicle to stresses or impacts greater than normally result from the careful use of the vehicle. If the buyer discovers a defect or nonconformity, the buyer must notify Pierce in writing within 30 days after the date of discovery. This limited warranty is not transferable by the first user and is applicable to the vehicle in the following percentage costs of warranty repair, if any:



0 to 12	100%	100%	100%	100%	100%	100%	100%
13 to 24	100%	100%	100%	100%	100%	100%	100%
	10070	100%	100%	100%	100%	100%	100%
25 to 36	10070				100,0	,	
37 to 48	50%	50%	50%	50%	100%	100%	100%
49 to 60	25%	25%	25%	25%	50%	50%	50%
61 to 72	25%	25%	25%	25%	50%	50%	50%.

In addition, the door shall also be warranted against corrosion perforation for a period of ten (10) years.

Compartment Size

The rear compartment will be 40.00" (1016 mm) wide x 72.75" (1848 mm) high x 26.00" (660 mm) deep at the floor level. The area over the frame rails will be 112.63" (2861 mm) deep. The compartment door frame opening will be 40.00" (1016 mm) wide x 69.75" (1772 mm) high. The clear door opening will be 37.50" (953 mm) wide x 63.00" (1600 mm) high.

Compartment Loading

The compartment will be capable of holding 1,000 pounds (454 kg). The area over the frame rails will be capable of holding an additional 2,000 pounds (908 kg).

Step Lights

A recessed light switch will be provided on the rear bulkhead to control two (2) step lights installed over the rear step bumper.

MODIFICATION TO HATCH COMPT COVERS

The plunger and sockets that hold down the hatch compartment covers are to be replaced by D-ring slam latches, similiar to the type we use on the compartment doors.

AIR CONDITIONER

Installed in the roof of the body will be an air conditioner with heating capability.

The unit will be a Carrier AirV low profile model with an aerodynamic white rooftop assembly. Unit's overall height will be 7.5" high.

The air conditioner will have cooling capacity of 15,000 BTUH. The heater will have heating capacity of 5,600 BTUH.

The unit will be 120 volt AC and be run off of the onboard generator. The full load amperage draw will be 15.8 amps in either the heating or cooling mode.

A total of two (2) will be provided.

CAMERA TOWER- WILL-BURT TMD 6-25 MAST

A telescopic mast system will be provided that includes a telescoping, pneumatic mast in an open area over the body.

The mast will utilize air from the chassis brake system. Air to operate the telescoping mast will be drawn from a dryer system, regulated to 35 psig and have a back pressure protection valve. The valve will hold back 70 pounds in the air brake system and only allow air to pass into the system when the ignition switch is on and the parking brake is set. A pneumatic kit to raise and lower the mast will include an air control valve, 0-160 psig air gauge, regulator, and 0-70 psig regulated air gauge.



The unit will be of a free standing design and use high strength, heat treated, aluminum alloy tubes and collars. Each mast section will have two (2) full length external keys, and .156" wall thickness collars with matching machined keyways. Each mast section and collar will use low friction synthetic bearings for smooth operation and long life. umpers will be supplied to reduce shock on extension and retraction.

All exterior aluminum surfaces will be anodized and sealed. Fasteners and fittings will be plated steel or stainless steel for corrosion resistance.

A 1" Nycoil will be supplied with the mast for routing camera wires.

A Will-Burt D-tect system will be installed with the mast.

Specifications for the mast will be as follows:

- Nested Height: Five (5) feet, Ten (10) inches

- Extended Height: 25 feet (28 foot mounted on truck)

- Nominal Pay Load Capacity: 150 pounds

- Mast Weight without camera: 110 pounds

- Number of Sections: Six (6)

- Tube Diameter range: 6.75" to 3.00"

- Mast volume: 2.70 cubic feet

- Collar Type: Non-locking

- Maximum Operating Pressure: 35 psig

A red warning light will be supplied in the cab and at the tower control panel to indicate the mast is in the raised position.

An audible alarm will sound in the cab when the mast is raised and the parking brake is released.

A label will be provided at the operators location to indicate mast operation instructions, warning information, extended tower height from the ground.

Mast will be provided Rear body.

The mast will be used to raise and lower a surveillance camera.

VIDEO SURVEILLANCE CAMERA SYSTEM

An Ikegami color video camera will be mounted in a medium-duty Pelco enclosure on the pneumatic mast located Rear body DS. The controller for the camera will be located in the body interior.

The system will consist of the following components:

- One (1) Pelco camera enclosure with heater and blower
- One (1) Pelco camera housing defroster



- One (1) Pelco camera pan and tilt unit
- One (1) Pelco pan & tilt controller
- One (1) Ikegami 1/3-inch high resolution digital color camera
- One (1) Pelco camera 30x zoom 5.5-16.6 mm lens
- One (1) Pelco 120 to 24 volt transformer

All necessary cables, connectors, splitters, and amplifiers will be provided.

MONITOR, LIQUID CRYSTAL DISPLAY (LCD), 15"

There will be two (2) 15" wide LCD flat panel color monitor(s) located Crew Cab. There will be a quick release bracket provide for mouting the monitor(s).

ALUMINUM 4-WAY ON FRONT OF BODY

The rear corners of the body will be provided with bright aluminum treadplate. The bottom 20 inches of the extrusion will be covered. The treadplate will be fastened to the body extrusions with stainless steel screws. A total of one (1) pair will be provided.

ALUMINUM 4-WAY ON REAR OF BODY

The rear sheet of the body will be covered with bright aluminum treadplate on the bottom six inches. The treadplate will be fastened to the body with stainless steel screws.

AWNING

A roll-up style awning made of a fire retardant type material will be supplied. The awning will be stored in a metal housing on the side of the body when not in use. When fully extended, the awning will be self supported without the use of poles extending to the ground. Lift handles will be provided for leverage to raise the awning. A slider bar will be provided to raise the arms out of the way for a clear path when walking under the awning.

The awning will be the full length of the body. The awning will extend out approximately (8) eight feet from the body. The color will be burgundy.

The awning will be installed Each side of bodyN/A.

A total of two (2)N/A will be supplied.

HITCH RECEIVER

A hitch receiver will be installed at the rear and the sides of the apparatus in front of the rear wheels through the body.

The hitch receivers will be constructed of heavy steel tubing and reinforced to the truck framework, for the receiving portion, including a heavy-duty slide-in tube with a ball. The rear hitch receiver will be a Class IV trailer hitch. The class IV rating is 10,000 pounds towing and 1000 pounds tongue with weight distributing hitch. The side hitch receivers will be capable of retaining a 6,000 or 9,000 pound portable winch.

Slide-in portion will be held in place by two (2) safety pins with clips.

A seven prong trailer wiring plug will be provided at the rear with a weatherproof snap cover.

LADDER ZICO MODEL RL-2-6

A Zico model RL-2-6 Quic-Ladder will be provided at the rear of the body on the Center rear body side. The



ladder handrails will be constructed out of 1.25" heavy-walled aluminum tubing that is covered by ribbed black neoprene tubing. Each step will have a flat non-skid surface that is 3" deep x 15.5" wide. A swing-out and down extension section at the bottom of the ladder will be provided

COMPARTMENT DIVIDER

A .12" thick aluminum vertical compartment divider will be provided in TBD, by customer. The divider will be secured in place with #10 self tapping screws.

A total of three (3) divider(s) will be provided.

HAZ-MAT SUIT RACK

A rack constructed of aluminum will be provided in compartment DS body. The rack will have individual slots for each suit. Each slot will be Room for eight suit's TBD. Each slot will accommodate a 6.00' tall x 3.00' wide haz-mat suit after the suit is folded in half. Rack to be approximately 60" deep.

The rack will be mounted onto a utility style slide out tracking system to allow it to slide out 2/3 of the compartment length.

The rack will be open on the front and both sides. A strap with a hook and loop closure will be provided on each end to hold the suits in place.

The rack will hold eight (8) suits, and will be configured TBD.

SLIDE OUT TOOL BOX RACK

There will be a slide out tray with a tool box rack that is three (3) tool boxes wide and two (2) tool boxes high.

The overall size of the rack will accommodate the largest tool boxes that will fit in the available space. The rack will be constructed of .18 inch aluminum. The inside of the rack will be left unpainted and the outside of the rack will be painted the same color as the compartment it is installed in.

The capacity rating will be 1000 pounds minimum in the extended position.

Interior tray dimensions will be appoximately 62.00" long x 3.00" deep x as wide as possible for the compartment.

Tray will slide out full length to one side of the vehicle.

The construction will consist of .188" thick aluminum for the tray. The tray will operate with Slide Master slides model SM3-SP.

Corners will be welded to form a rigid unit.

compartment P3.

There will be one (1) slide out tool box racks.

SHELVING

Compartments will include shelving.

The construction will consist of .188" thick aluminum formed to provide a 2.00" high wall around the perimeter.



Corners will be welded to provide a rigid unit.

Shelving will be secured within the compartment by means of adjustable threaded fasteners. These fasteners will slide in an extruded aluminum track to provide height adjustment.

Load capacity will be 400 pounds.

There will be six (6) provided, three in compartment P4 to the rear of the vertical divider and three shipped loose for 16129-01.

ACCESSORY STORAGE CABINET

A fixed storage accessory cabinet will be provided inside a body compartment to house a 5 gallon bucket latching container. The accessory cabinet will be constructed of 0.18" thick aluminum and painted to match the compartment interior.

The accessory cabinet will be sealed to stop fumes from escaping and will be secured within the body compartment by means of threaded fasteners.

The sealed accessory cabinet interior dimension will be Large enough for 5 gallon bucket.

A total of one (1) cabinet(s) will be provided Body compt..

SLIDE-OUT TOOL BOARD

A slide-out aluminum tool board will be provided.

It will be a minimum of .188" thick, with .203" diameter holes, in a pegboard pattern, with 1.00" centers between holes.

A 1.00" x 1.00" aluminum tube frame will be welded to the edge of the pegboard.

The tool board will be mounted on a small tray, with ball bearing slide tracks, to allow easy extension and retraction. The tool board and tray will have a 500 pound capacity in the extended position.

The tool board will be 62.00" long and be centered in a tray, which is attached to the bottom of the board. This tray will be as wide as possible for the compartment.

The tool board will slide out of the compartment, to two-thirds of its length.

The tray will slide out in one (1) direction only; two-thirds of its length.

The construction will consist of .188" thick aluminum, for the tray bottom and end, and special aluminum extrusions for the tray sides, front and tracks.

The corners will be welded to form a rigid unit.

The tray will be supported with a minimum of four (4) ball bearing rollers; each rated for a minimum 415 pound load.

Automatic locks will be provided for both the in and out tray positions.

TBD.



There will be four (4) provided.

SWING OUT TOOL BOARD

A swing out aluminum tool board will be provided.

It will be a minimum of .188" thick with .203" diameter holes in a pegboard pattern with 1.00" centers between holes.

A 1.00" x 1.00" aluminum tube frame will be welded to the edge of the pegboard.

The board will be mounted on a pivoting device, on the top and the bottom, to allow easy movement in and out of the compartment. The maximum tool load will be 400 pounds.

The board will have positive lock in the stowed and extended position.

There will be two (2) provided.

compartment P5. There shall be one mounted on the front wall and one on the rear so that they open like a cabinet. They shall be sized and located to fit two air packs on each side of each toolboard..

FLOOR MOUNTED TRAYS

A floor mounted slide-out tray will be provided.

The capacity rating will be 500 pounds minimum in the extended position.

The construction will consist of .188" thick aluminum formed to provide a 2.00" high wall around the perimeter.

Corners will be welded to form a rigid unit.

Slide mechanisms will have ball bearings for ease of operation and years of dependable service.

Automatic locks will be provided for both the in and out tray positions.

The lock trip mechanism will be located at the front of the tray and will be easily operated with a gloved hand.

A compartment substructure will be fabricated from steel angle to support the body under the compartment floor.

The substructure will be bolted to the chassis frame to transfer much of the load from the body to the chassis and therefore reduce body stress.

There will be three (3) provided.

One in P5, D5, and D1.



SLIDE-OUT/TILT-DOWN TRAY

Slide-out tilt-down tray will be provided.

The capacity rating (in the extended position) will be 200 pounds minimum.

The interior tray dimensions will be approximately 22.00" long x 3.00" deep x as wide as possible for the compartment.

Approximately two-thirds of the tray will slide-out from its stored position and will tip 30 degrees down from horizontal. The vertical position within the compartment will be adjustable.

Construction will consist of .188" thick aluminum for the tray bottom and end, and special aluminum extrusions for the tray sides, front and tracks.

The tray corners will be welded for strength and rigidity.

The tray will be equipped with ball bearing rollers for smooth operation.

Two spring loaded locks will be provided at the front of the tray, one on each end.

Rubber padded stops will be provided for both the in out tray position.

There will be three (3) trays provided.

compartment D2, D3, D1.

REAR BUMPER

A rear bumper will be provided that is a an integral part of the rear body substructure.

The bumper will be approximately 13.00" deep x 90.00" wide x 2.00" high.

The bumper will have an aluminum treadplate deck with a 3.00" radius on each of the two outside corners.

The body will have a kickplate behind the bumper from the bottom of the body and up past the top of the bumper 3.38".

TIE DOWN EYES

There will be four (4) tie down eyes evenly spaced under the body on each side of the body for securing the apparatus in case of aircraft transport. The tow eyes will be welded directly to the outboard side of the comparment substructures.

TOOL BOX

A tool box will be furnished.

The size will be 10.00" wide x 22.00" long x 10.00" deep.

Construction will be of .50" polypropylene plastic with joints and seams nitrogen welded. A cut out carrying handle will be provided on each end.

There will be ten (10) provided. It will be located TBD.



ADDITIONAL COMPARTMENT LOUVERS

A set of additional louvers will be provided in in the recessed walkway for the hatch compartments. The quantity of additional sets of louvers is ten (10).

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

Stainless steel fender crowns will be provided around the rear wheel openings.

A rubber welting will be provided between the body and the crown to seal the seam and restrict moisture from entering.

HARD SUCTION HOSE

There will be no hard suction hose provided.

AIR BOTTLE STORAGE (Double)

A total of eight (8) air bottle compartments will be provided. frt/rr both sides. Each air bottle compartment will be of adequate size to accommodate two (2) air bottles. Flooring will be rubber lined and be furnished with a drain hole. A stainless steel door with a chrome plated latch will be provided to contain the air bottles. A dielectric barrier will be provided between the door hinge, hinge fasteners and the body sheet metal.

AIR BOTTLE STORAGE BIN

A storage bin will be provided for storage of eight (8) air bottles. This storage bin will be installed City of Miami 1 hour bottle holder 8. Each separate air bottle storage compartment will be 7.50" square x 23.00" deep. The storage bin will be formed out of aluminum and the flooring lined with rubber.

BELL

A chrome plated, 12.00" bronze cast bell, complete with eagle, will be mounted on the passenger's side of the front bumper extension. A rope pull, for the bell, will be installed inside the cab.

REAR PULLOUT STEP

A pull-out and down (camper style) step will be installed below the tailboard step. The step surface, when pulled out from its nested position, will be 13.00" below the tailboard step. This step will be 42.00" wide x 8.00" deep. The stepping surface will be bright aluminum treadplate. Slotted side support pieces of the pull-out portion of step to be made out of .25" steel plate.

GAUGES, VACUUM and PRESSURE

The pump vacuum and pressure gauges will be silicone filled and manufactured by Class 1, Inc.

The gauges will be a minimum of 4.00" in diameter and will have white faces with black lettering, with a Page 48 of 69



pressure range of 30.00"-0-600#.

Gauge construction will include a Zytel nylon case with adhesive mounting gasket and threaded retaining nut.

The pump pressure and vacuum gauges will be installed adjacent to each other at the pump operator's control panel.

Test port connections will be provided at the pump operator's panel. One will be connected to the intake side of the pump, and the other to the discharge manifold of the pump. They will have 0.25 in. standard pipe thread connections and polished stainless steel plugs. They will be marked with a label.

This gauge will include a 10 year warranty against leakage, pointer defect, and defective bourdon tube.

PRESSURE GAUGES

The individual "line" pressure gauges for the discharges will be Class 1 interlube filled.

They will be a minimum of 2.00" in diameter and have white faces with black lettering.

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.

ELECTRICAL

All 12-volt electrical equipment installed by the apparatus manufacturer will conform to modern automotive practices. All wiring will be high temperature crosslink type. Wiring will be run, in loom or conduit, where exposed and have grommets where wire passes through sheet metal. Automatic or manual reset circuit breakers will be provided which conform to SAE Standards. Wiring will be color, function and number coded. Function and number codes will be continuously imprinted on all wiring harness conductors at 2.00" intervals. Exterior exposed wire connectors will be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids. Electrical wiring and equipment will be installed utilizing the following guidelines:

- (1) All holes made in the roof will be caulked with silicon. Large fender washers, liberally caulked, will be used when fastening equipment to the underside of the cab roof.
- (2) Any electrical component that is installed in an exposed area will be mounted in a manner that will not allow moisture to accumulate in it. Exposed area will be defined as any location outside of the cab or body.
- (3) Electrical components designed to be removed for maintenance will not be fastened with nuts and bolts. Metal screws will be used in mounting these devices. Also a coil of wire will be provided behind the appliance to allow them to be pulled away from the mounting area for inspection and service work.
- (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. Identification of the switches will be done by either printing or etching on the switch panel. The switches and identification will be illuminated.

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.

STEP LIGHTS

Four (4) Truck-Lite, LED Model 44 step lights will be provided.

One (1) step light will be provided on each side, on the front compartment face.

Two (2) step lights at rear, will illuminate the tailboard.

A 60 degree bracket will hold each LED step light.

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

REAR FMVSS LIGHTING

The rear stop/tail and directional LED lighting will consist of the following:

Two (2) Whelen model 60R00XRR red LED stop/tail lights.

Two (2) Whelen model 60A00TAR amber LED arrow turn lights.

Each light will be installed separately at the rear with a flange.

Four (4) red reflectors will be provided.

A Weldon, Model 23882-2600-00, license plate bracket will be mounted on the driver's side above the warning lights. A Weldon, Model 9186-23882-30, step lamp will illuminate the license plate.

Two (2) Whelen, Model: 60C00WCR, maximum LED backup lights shall be provided.

Both lights shall be installed with out 6E or 64 Flange Kit.

The three (3) identification lights located at the rear will be installed per the following:

Truck-Lite, Model 35, LED

As close as practical to the vertical centerline.

Centers spaced not less than six (6) inches or more than twelve (12) inches apart.

Red in color.

All at the same height.

The four (4) clearance lights located at the rear will be installed per the following:

Truck-Lite, Model 35, LED



To indicate the overall width of the vehicle.
One (1) each side of the vertical centerline.
All at the same height.
As near the top as practical.
To be visible from the rear and the side.
One (1) each side, facing the side.
One (1) each side, facing the rear.

Per FMVSS 108 and CMVSS 108 requirements.

MAP LIGHT

Five (5) map lights with goose necks with a switch control on base of light will be installed one (1) next to the "A" post on the officer's side of the dash, four (4) on the command desk. The light will be a Sunnex, Model 742 with a 20.00" long flexible neck that exits the top of the chassis mount.

MARKER LIGHTS

There will be One (1) pair of amber and red marker lights with rubber arm, located the rear most sides of the body. The amber lens will face the front and the red lens will face the rear of the truck.

These lights will be activated with the running lights of the vehicle.

LIGHT, INTERMEDIATE

There will be one (1) pair, of Truck-Lite, Model: 60115Y, amber, LED, lights furnished, one (1) each side of the rear fender panel, horizontal, in place of the directional/marker intermediate light. This light will double as a turn signal and marker light.

LIGHT, INTERMEDIATE

There will be one (1) pair, of Truck-Lite, Model: 30080Y flange mounted amber LED light kits will be furnished, one (1) each side of the rear fender panel, in place of the standard directional/marker intermediate light. The light will double as a turn signal and marker light.

This installation will include a stainless steel cover.

"DO NOT MOVE APPARATUS" INDICATOR

A flashing red indicator light (located in the driving compartment) will be illuminated automatically per NFPA (1996 addition, 9-11 or 1999 addition 11-11). The light will be labeled "Do Not Move Apparatus If Light Is On".

An audible alarm will be provided with the open door indicator light.

The alarm will be controlled by the parking brake, so that it will deactivate when the parking brake is set.

MESSAGES, DISPLAY, Do Not Move Truck

There will be fourteen (14) possible messages displayed on the "Do Not Move Truck" screen, of the information center. The messages will designate the specified location of what open doors or other applicable options are not in the stowed position(parking brake has been released).

The following messages will be displayed:

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.

Ladder Rack Not Stowed

Deck Gun Not Stowed

L Tower Not Stowed (Light Tower Not Stowed)

Hatch Door Open

Stabilizer Not Stowed

Steps Not Stowed

Handrail Not Stowed

Any other device that is opened, extended, or deployed that creates a hazard or is likely to cause damage to the apparatus if the apparatus is moved, will show up in the flashing warning box after the parking brake is disengaged.

COMPARTMENT LIGHTING

Two (2) Krystal-lite, Model "Super Bright" 12v compartment lights shall be provided in place of the standard compartment light in a compartment Two each compt for a total N/A of compartments.

The installation shall include one (1) each side vertical on the door framing. The strips shall be held in place with clear clips supplied with lights. No overhead light will be installed with a roll up door

Opening the compartment door, shall automatically turn the compartment lighting on.

COMPARTMENT LIGHTING

Additional 4.00" diameter Truck-Lite, model 44207C, LED lights will be provided in each enclosed compartment, one each compt..

Opening the compartment door will automatically turn compartment lighting on.

The total quantity of additional 4.00" lights will be nine (9) lights.

These lights will be mounted on brackets that mount to the adjustable shelf track so they can be moved.

PERIMETER SCENE LIGHTS, CAB

There will be a Truck-lite, model 44042C, 4.00", LED, grommet mount weatherproof light provided for each cab door. Lighting will be designed to provide illumination on areas under the driver, officer, and crew cab riding area exits, which will be activated automatically when the exit doors are opened, by the door jam switch



and by the same means as the body perimeter lights.

The lighting will be capable of providing illumination at a minimum level of one (1) foot-candle on ground areas within 30.00" of the edge of the apparatus in areas which personnel climb in or out of the apparatus or descend from the apparatus to the ground level.

BODY PERIMETER SCENE LIGHTS

There will be a total of six (6) Truck-Lite, Model 40003, 4.00" grommet mount, weatherproof lights provided on the apparatus body. Each light will consist of a 4.00" weatherproof light, rubber mount and pigtail kit. The lights will be mounted in the following locations: two (2) lights will be under the rear step area, one (1) light will be on each side of body under front compartment and one (1) light will be on each side of the pump panel under the running boards.

The lighting will be capable of providing illumination at a minimum level of one (1) footcandle on ground areas, within 30.00" of the edge of the apparatus, in areas designed for personnel to climb onto the apparatus or descend from the apparatus to the ground level.

The lights will be activated by rocker switch in cab and a switch at the rear of the body.

SCENE LIGHTS

Four (4) pair of Whelen, Model 90E000ZR, Gradiant opti-scene lights will be installed one (1) each side of cab, (1) pair each seide of body, one (1) pair on rear of body as shown on drawing.

The lights will be controlled by the following:

From the first switch feature, a control from two (2) switches on the driver side switch panel, a driver side switch, and an officer side switch.

From the second switch feature, there shall be no control of this option.

From the third switch feature, there shall be no control of this option.

From the fourth switch feature, there shall be no control of this option.

These lights will be installed one (1) each side of cab, (1) pair each seide of body, one (1) pair on rear of body as shown on drawing.

SCENE LIGHTS

One (1) pair of Zico, series ZQL-RV-H7614, scene lights will be installed in the fender panel forward of both axles. The lights will be controlled by a control from the driver side switch panel.

HAND HELD SPOTLIGHT

A Specialty Lighting, model 2150-1, hand held spotlight will be installed officer side of dash, exact location to be determined. The light will be furnished with the 9.00 feet of coil cord.

HAND HELD LIGHT

There will be two (2) spotlights provided, Streamlight LiteBox with the yellow thermoplastic body. The two (2) spotlights will be mounted in the command cab inside the PS door.

REAR VISION SYSTEM

A Safety Vision, Model: SV-620, backup camera system will be provided. There will be one (1) camera located at the rear of the truck as close to the center as possible for viewing the area behind the truck. The camera will be activated whenever the ignition switch is active. The camera images will be displayed on the apparatus Command Zone color display screen whenever the apparatus transmission is placed into reverse.

Components will include:



One (1) SV-620 color camera kit.

One (1) camera to display cable

All necessary automated control hardware and wiring

AIR HORN SYSTEM

Two (2) Grover air horns will be provided and located, in the front bumper, recessed one each side. The horn system will be piped to the air brake system wet tank utilizing .38" tubing. A pressure protection valve will be installed in-line to prevent loss of air, in the air brake system.

AIR HORN CONTROL

The air horns will be actuated by a push button located on officer side instrument panel and by the horn button in the steering wheel. The driver will have the option to control the air horns or the chassis horns from the horn button by means of a selector switch located on the instrument panel.

ELECTRONIC SIREN

A Federal, model PA-300MSC, electronic siren with noise canceling microphone will be provided.

Siren head will be located on a swivel bracket mounted on the headliner so that it is accessible to both the driver and officer. The swivel bracket will be capable of rotating a minimum of 180 degrees.

Siren will be actuated by a foot switch on the officer's side and by the horn button in the steering wheel. The driver will have the option to control the siren or the chassis horns from the horn button by means of a selector switch.

SPEAKER

There will be two (2) speakers recessed in the front bumper. Each speaker will be a Cast Products, model SH3015, 100-watt, bumper-mount, with polished finish. Each speaker will be connected to the siren amplifier.

WARNING LIGHTS

A LED lightbar shall be mounted on the cab roof.

The length shall be 77"

The lightbar will include the following:

Six (6) red flashing forward facing LED modules.

Two (2) clear flashing forward facing LED modules.

Two (2) red flashing front corner LED modules.

One (1) red flashing driver end LED module.

One (1) red flashing pass end LED module.

All the lenses will be clear.

One (1) switch located in the cab, on the switch panel, will control this lightbar.

To meet NFPA requirements, the clear warning lights will be disabled when the parking brake is set.

HEADLIGHT FLASHER

The high beam headlights will flash alternately between the left and right side, with a control switch located on the cab instrument panel.

Alternating function will be controlled by the programming of the ECU.



The flash mode will automatically cancel when the headlight (high or low beam) switch is activated and when the parking brake is set.

WARNING LIGHTS (Side)

One (1) pair of flush mounted Whelen 90*00F*R flashing Super LED lights will be provided.

The lights will be located on upper middle of the body.

The color of the lights will be red Super LED/red lens, and controlled by with the side warning switch.

These lights will be installed with a flange.

TRAFFIC DIRECTING LIGHT

One (1) 36" Whelen, Model: TAM65, traffic directing light will be recessed with 4-way aluminum trim plate, on the rear of the vehicle.

This light will include six (6) amber Super-LED modules.

One (1) Whelen, Model: TACTLD1, control head, located on swivel bracket between driver and officer will be included with this installation. This control will activated with the control head only.

SIDE ZONE LOWER LIGHTING

Six (6) Whelen model 60*02F*R flashing "Super" LED lights will be located at the following positions:

Two (2) lights, one each side on the bumper extension - red Super LED/red lens each side.

Two (2) lights, rear cab area - red Super LED/rd lens each side.

Two (2) lights, N/A - red Super LED/red lens each side.

The above six (6) lights will meet or exceed the lower level optical warning and optical power requirements of NFPA.

The lights will be controlled by a lighted switch on the cab instrument panel.

These lights will be with three (3) pair of flange kits.

REAR ZONE LOWER LIGHTING

Two (2) Whelen model 60*02F*R flashing "Super" LED warning lights will be located at the rear of the apparatus, required to meet or exceed the lower level optical warning and optical power requirements of NFPA.

The color of these lights will be red Super LED/red lens.

One (1) switch in the cab on the switch panel will control these lights.

These lights will be installed with a flange.

WARNING LIGHTS (Rear and Side upper zone)

There will be four (4) pair of Whelen LED lights provide at the rear and side of the truck, three (3) pair of Super 900 series LEDs and one (1) pair of Super 500 series LEDs, to meet NFPA upper zone requirements.

The 900 series lights will be provide with three (3) pair of flange kits

Four (4) Whelen model 90**5F*R, Super LED lights will be provided on the side body:



One (1) light each side at the forward upper side of the body facing the side.

The color of these lights will be red SuperLED/red lens.

One (1) light each side at the rear upper side of the body facing the side.

The color of these lights will be blue Super LED/blue lens each side.

Two (2) Whelen model 90**5FR, LED lights will be provided on the rear bulkhead:

One (1) light each side on the rear bulkhead of the truck as high as practical and as to the outside as possible.

far

The color of these lights will be DS blue Super LED/blue lens, PS red Super

LED/red lens.

Two (2) Whelen model 50*03Z*R Super LED flashing lights with chrome flanges, will be provided on the rear bulkhead:

One each side on the rear bulkhead TBD

The color of these lights will be DS red Super LED/red lens, PS blue Super LED/blue lens.

Per NFPA, the lights will be switched on by a lighted switch on the instrument panel and be active whenever the switch is on.

ELECTRICAL SYSTEM GENERAL DESIGN for ALTERNATING CURRENT

The following guidelines will apply to the 120/240 VAC system installation:

General

Any fixed line voltage power source producing alternating current (ac) line voltage will produce electric power at 60 cycles plus or minus five (5) cycles.

Except where superseded by the requirements of NFPA 1901, all components, equipment and installation procedures will conform to NFPA 70, National Electrical Code (herein referred to as the NEC).

Line voltage electrical system equipment and materials included on the apparatus will be listed and installed in accordance with the manufacturer's instructions. All products will be used only in the manner for which they have been listed.

Grounding

Grounding will be in accordance with Section 250-6 "Portable and Vehicle Mounted Generators" of the NEC. Ungrounded systems will not be used. Only stranded or braided copper conductors will be used for grounding and bonding.

An equipment grounding means will be provided in accordance with Section 250-91 (Grounding Conductor Material) of the NEC.

The grounded current carrying conductor (neutral) will be insulated from the equipment grounding conductors and from the equipment enclosures and other grounded parts. The neutral conductor will be colored white or gray in accordance with Section 200-6 (Means of Identifying Grounding Conductors) of the NEC.

In addition to the bonding required for the low voltage return current, each body and driving or crew compartment enclosure will be bonded to the vehicle frame by a copper conductor. This conductor will have a minimum amperage rating of 115 percent of the nameplate current rating of the power source specification label as defined in Section 310-15 (amp capacities) of the NEC. A single conductor, properly sized to meet the low voltage and line voltage requirements will be permitted to be used.

All power source system mechanical and electrical components will be sized to support the continuous duty nameplate rating of the power source.



Operation

Instructions that provide the operator with the essential power source operating instructions, including the power-up and power-down sequence, will be permanently attached to the apparatus at any point where such operations can take place.

Provisions will be made for quickly and easily placing the power source into operation. The control will be marked to indicate when it is correctly positioned for power source operation. Any control device used in the drive train will be equipped with a means to prevent the unintentional movement of the control device from its set position.

A power source specification label will be permanently attached to the apparatus near the operator's control station. The label will provide the operator with the information detailed in Figure 19-4.10.

Direct drive (PTO) and portable generator installations will comply with Article 445 (Generators) of the NEC.

Overcurrent protection

The conductors used in the power supply assembly between the output terminals of the power source and the main over current protection device will not exceed 144 inches. (3658 mm) in length.

For fixed power supplies, all conductors in the power supply assembly will be type THHW, THW, or use stranded conductors enclosed in nonmetallic liquid tight flexible conduit rated for a minimum of 194 degrees Fahrenheit (90 degrees Celsius).

For portable power supplies, conductors located between the power source and the line side of the main overcurrent protection device will be type SO or type SEO with suffix WA flexible cord rated for 600-volts at 194 degrees Fahrenheit (90 degrees Celsius).

Wiring Methods

Fixed wiring systems will be limited to the following:

- Metallic or nonmetallic liquid tight flexible conduit rated at not less than 194 degrees Fahrenheit (90 degrees Celsius)

or

- Type SO or Type SEO cord with a WA suffix, rated at 600 volts at not less than 194 degrees Fahrenheit (90 degrees Celsius)

Electrical cord or conduit will not be attached to chassis suspension components, water or fuel lines, air or air brake lines, fire pump piping, hydraulic lines, exhaust system components, or low voltage wiring. In addition the wiring will be run as follows:

- Separated by a minimum of 12 inches (305 mm), or properly shielded, from exhaust piping
- Separated from fuel lines by a minimum of six (6) inches (152 mm) distance.

Electrical cord or conduit will be supported within six (6) inches (152 mm) of any junction box and at a minimum of every 24 inches (610 mm) of continuous run. Supports will be made of nonmetallic materials or corrosion protected metal. All supports will be of a design that does not cut or abrade the conduit or cable and will be mechanically fastened to the vehicle.

Wiring Identification



All line voltage conductors located in the main panel board will be individually and permanently identified. The identification will reference the wiring schematic or indicate the final termination point. When prewiring for future power sources or devices, the unterminated ends will be labeled showing function and wire size.

Wet Locations

All wet location receptacle outlets and inlet devices, including those on hardwired remote power distribution boxes, will be of the grounding type provided with a wet location cover and installed in accordance with Section 210-7 "Receptacles and Cord Connections" of the NEC.

All receptacles located in a wet location will be not less than 24 inches (610 mm) from the ground. Receptacles on off-road vehicles will be a minimum of 30 inches (762 mm) from the ground.

The face of any wet location receptacle will be installed in a plane from vertical to not more than 45 degrees off vertical. No receptacle will be installed in a face up position.

Dry Locations

All receptacles located in a dry location will be of the grounding type. Receptacles will be not less than 30 inches (762 mm) above the interior floor height.

All receptacles will be marked with the type of line voltage (120-volts or 240-volts) and the current rating in amps. If the receptacles are direct current, or other than single phase, they will be so marked.

Listing

All receptacles and electrical inlet devices will be listed to UL 498, Standard for Safety Attachment Plugs and Receptacles, or other appropriate performance standards. Receptacles used for direct current voltages will be rated for the appropriate service.

Electrical System Testing

The wiring and associated equipment will be tested by the apparatus manufacturer or the installer of the line voltage system.

The wiring and permanently connected devices and equipment will be subjected to a dielectric voltage withstand test of 900 volts for one (1) minute. The test will be conducted between live parts and the neutral conductor, and between live parts and the vehicle frame with any switches in the circuit(s) closed. This test will be conducted after all body work has been completed.

Electrical polarity verification will be made of all permanently wired equipment and receptacles to determine that connections have been properly made.

Operational Test per NFPA 1901 Chapter 19-14.4

The apparatus manufacturer will perform the following operation test and will certify that the power source and any devices that are attached to the line voltage electrical system are properly connected and in working order.

The prime mover will be started from a cold start condition and the line voltage electrical system loaded to 100 percent of the nameplate rating.

The power source will be operated at 100 percent of its nameplate voltage for a minimum of two (2) hours unless the system meets category certification as defined in NFPA 1901 chapter 19-14.5.

Where the line voltage power is derived from the vehicle's low voltage system, the minimum continuous electrical load as defined in NFPA 1901 Chapter 9 will be applied to the low voltage electrical system during the operational test.



ONAN PROTEC 30kW SINGLE PHASE GENERATOR w/ XRT PTO

The apparatus will be equipped with a complete electrical power system. The wiring and generator installation will conform to the present National Electrical Code Standards of the National Fire Protection Association. The installation will be designed for continuous operation without overheating and undue stress on components.

The generator will be a single phase, four (4)-wire, Onan 30kW driven by a transmission "power takeoff" attached to the side of the transmission.

Generator performance will meet the American National Standards Institute (ANSI) C84.1-1982 voltage requirement as utilized from the receptacle.

Generator will have a built in automatic voltage control.

Generator will have a NEMA MG21 rating.

- Continuous Duty Rating: 30,000 watts

- Phase: Single

- Nominal Cycles: 60 hertz

- Nominal Amp Rating: 125 at 240-volts

- Engine Speed at Engagement: Idle

- Engine Speed Engaged: 1100/1400 rpm range

- Generator RPM: 1800 rpm

The output of the generator will be controlled by an electronic governor. The truck engine will be programmed so the generator's output is at 60 hertz.

The main chassis transmission PTO will power the generator. A stainless steel splash guard will be installed to reduce the amount of road spray on this frame-mounted generator.

The generator will be operable in the stationary mode with a shift control located inside the cab with an indicator light to note engagement. For safety, the automatic high idle will be activated through interlocks only after the chassis parking brake control is in the park position, the generator PTO transmission has made a complete shift and the truck transmission is in neutral.

An electric/hydraulic valve will supply hydraulic fluid to the clutch engagement unit provided on the chassis PTO drive.

To properly monitor the generator performance and load demands during operation, the generator will be equipped with a full instrument and control package. This panel will be mounted adjacent to the load center. The following instruments will be installed in the panel:

- One (1) Voltmeter
- Two (2) Ammeters
- One (1) Frequency Meter
- One (1) Hour Meter
- One (1) "Power On" Green Indicator Light
- One (1) PTO Engagement Indicator Light
- Two (2) Fuse Holders: With two (2) amp fuses for gauge protection



in an appropriate sized weatherproof electrical enclosure. All instruments used will be accurate within +/- two (2) percent.

The system will be installed by highly qualified electrical technicians to assure the required level of safety and protection to the fire apparatus operators. The wiring, electrical fixtures and components will be to the highest industry quality standards available on the domestic market. The equipment will be the type designed for mobile installations subject to vibration, moisture and severe continuous usage.

All electrical wiring from the load center will be fine stranded copper S.O. type with a 600 volt jacket. The wire will be sized to the load and circuit breaker rating. The wire size will be ten (10)-gauge on 30 amp circuits, 12-gauge on 20 amp circuits and 14-gauge on 15 amp circuits. The S.O. cable will be run in corner areas and extruded aluminum pathways built into the body for easy access. Any S.O. cord not run in an enclosed raceway or cable tray will have an additional abrasion resistant covering.

The main load center will have circuit breakers rated to load demand.

Individual breakers will be provided for all receptacles to isolate a tripped breaker from affecting any other online equipment.

An output shaft used to couple a XRT hydraulic tool system to the generator will be provided. The output shaft will be operational whenever the generator is in use.

GENERATOR LOCATION

The generator will be mounted under the body between the frame rails.

GENERATOR START

A switch will be located on the cab instrument panel to engage the generator.

CIRCUIT BREAKER PANEL

The circuit breaker panel will be located compartment D5.

120 VOLT LIGHTING

A Fire Research Model S75 Focus 750 watt light will be provided. The light will be mounted on a special bracket, fitted for the light, on the front of the cab roof. The light fixture will be a single 750 watt, 120 volt Focus Series. The light will draw 6.3 amps.

A total of One (1) will be provided.

120 VOLT LIGHTING

A Fire Research Model #FC600-S75 quartz tube flood light will be provided.

The light will be a tripod style with quick release truck mounting brackets.

The light fixture will be a single 750 watt, 120 volt Focus light that draws 6.3 amps.

The lamp head will swivel 360 degrees left or right and tilt up and down.

A receptacle will be provided near the base of the light.

A 20 amp, 120 volt, twist-lock plug with waterproof boot shall be provided on the end of the light cord...

A total of Two (2) will be provided one (1) each side rear of body.



240 VOLT LIGHTING

A Fire Research Model FC201 light will be provided.

The light will be recessed in a cast aluminum housing.

The light fixture will be a single 1000 watt, 240 volt, Focus 200 Series unit that draws 4.20 amps.

There will be Six (6) provided.

two (2) on each side of the body in the upper side sheet / two at rear body.

REMOTE SWITCH (Quartz Light)

A remote on/off actuation switch, with a 12VDC, green indicator light, will be provided to actuate a 120/240 volt solenoid switch for each quartz light.

The four (4) switches will be located on the cab instrument panel. The switches will control the lights both brow lights.

240 VOLT LIGHTING

A Will-Burt Night Scan Powerlite "roof mounted" elevated lighting system, model NS10-9000 OPT, will be provided.

The unit will mount on an external roof surface area 66.90" long x 44.50" wide approximately x 11.60" high.

Light mast will tilt to a vertical position and the directional lighting system will telescope to an extended height of 10 feet.

Mast will operate with a 12 volt DC control and 20 psi regulated air from the chassis air system.

All electrical cables will be internal of the mast for better protection.

Control for the mast and the lighting system will be a hand held wired remote unit. It will be operable with a single hand for turn/tilt, up/down, and on/off. Length of the control cord will be 25 feet. The mast will automatically stow and the lights will automatically nest when the down switch is activated. The remote will be located TBD.

Weight of the unit will not exceed 170 pounds.

Six (6), 1,500 watt, 240-volt AC quartz halogen OPTIMUM lights will be mounted on the mast in a weatherproof directional lighting system that will have the ability to rotate 385 degrees and tilt 330 degrees.

The light heads will have a split tilt function, where the left and right sides can tilt independently in different directions or together in the same direction.

A "do not move truck" warning indicator will activate in the cab when the mast is out of the nested position.

A label will be provided at the operators location to indicate mast operation instructions, warning information, extended tower height from the ground and bulb replacement data.

TOWER "LOOK UP" LIGHT

A self contained 12 volt flood light will be provided on the light tower. The light will turn on automatically



when the tower is raised and turn off when the tower is lowered.

TBD.

A total of one (1) light tower light masts will be provided.

ELECTRIC CORD REEL

Furnished with the AC electrical system will be a Hannay, series 1600, cord reel wired for a four (4) conductor cord. The reel will be provided with a 12-volt electric rewind switch, that is guarded to prevent accidental operation and labeled for its intended use. The push button switch will be protected with a fuse and installed at a height not to exceed 72 inches above the operators standing position.

A captive roller assembly shall be provided to aid in the payout and loading of the reel. A ball stop will be provided to prevent the cord from being wound on the reel.

A label will be provided in a readily visible location adjacent to the reel. The label will indicate current rating, current type, phase, voltage and total cable length.

A total of two (2) cord reels will be provided one (1) in compartment D1 and one (1) in compartment P5.

CORD

Provided for electric distribution will be two (2) lengths, one for each reel, of 200 feet of Carol Super Vu-Tron II yellow 10/4 electrical cord. A 20 amp twist lock connector body shall be installed on the end of the cord.

PORTABLE JUNCTION BOX

There will be four (4) 120 vac 20 amp twist lock receptacles, and a locator/indicator light provided in an outlet box. The junction box construction will be weatherproof and have flip-up covers lined with soft neoprene rubber at each outlet opening. The junction box will be a Daniel Woodhead model 3290 series.

The junction box shall be connected directly to the cord on the reel.

A total of two (2) will be provided.

JUNCTION BOX HOLDER

There will be an aluminum junction box holder installed adjacent to the cord reel. A total of two (2) will be installed.

same compartment as the electric reels.

15 AMP RECEPTACLE

Wired to the power supply will be three (3) receptacles that are 120 volt 15 amp three wire duplex household type with a weather resisting cover.

side by side against the back wall of compartment P4 in the right middle pelican box rack.

110 VOLT INTERIOR RECEPTACLE

Receptacle will be a NEMA 5-15, 120 volt, 15 amp, three (3) wire duplex household type connected to the shoreline.

There will be twelve (12) receptacles provided.



Cab.

20 AMP RECEPTACLE

Wired to the power supply will be four (4) receptacles that are a 120 volt 20 amp three wire twist-lock NEMA L5-20 type with weather resisting cover located one adjacent to the circuit breaker panel, one on the rear of the body, one on each side in the wheel wells below the SCBA compartments.

20 AMP 220 VOLT RECEPTACLE

Wired to the power supply will be two (2) receptacles that are 220 volt 20 amp three wire twist-lock NEMA L6-20 type with a weather resisting cover located two in the rear compartment (one on each side of the rear wall up high for dealer supplied power units.).

120 VOLT EXTERIOR RECEPTACLE

Receptacle will be a NEMA 5-20, 120 volt, 20 amp, three (3) wire duplex household type with a weather resistant cover connector to the generator.

There will be one (1) receptacle provided.

forward wall of compartment D4.

KUSSMAUL AUTO EJECT FOR SHORELINE

one (1) shoreline receptacle will be provided to operate the dedicated 120-volt circuits on the truck without the use of the generator.

The shoreline receptacle (s), model #091-159-30-120, will be provided with a 120 volt, 30 amp, 3 pin Kussmaul Super auto eject plug with a red weatherproof cover. The cover is spring loaded to close, preventing water from entering when the shoreline is not connected.

The unit is completely sealed to prevent road dirt contamination.

A solenoid wired to the vehicle's starter is energized when the engine is started. This instantaneously drives the plug from the receptacle.

A novel plug detector closes and opens the 120 volt A.C. circuit after the mating connector is inserted and before the connector is ejected..

The shoreline will be connected to TBD.

A mating connector body will also be supplied with the loose equipment.

The shoreline receptacle will be located on the driver side of cab, above wheel.

SHORELINE INLET POWERED

A green indicator light, remote mounted next to the shoreline inlet will be provided. The light will indicate when the shoreline inlet has been powered with 120 VAC.

SUB FEED CIRCUIT BREAKER BOX (shoreline)

A Cutler Hammer sub feed box will be supplied to protect the on board circuits when an auxiliary power source is used.

The box will be installed in the next to the breaker box.



The sub feed box will distribute power to specific circuits in the vehicle.

A directory for each breaker will be provided adjacent to the circuit breaker panel.

Identification of circuits will be done in a durable manner that provides years of service.

SWITCH, AUTO TRANSFER

To protect either the generator or external power source from back feed, an automatic relay system will be installed to switch the on line device between the generator and the external power source plug when it is connected for use.

The transfer switch will power TBD.

AIR REEL FOR TOOLS

Installed in compartment Body compt. TBD will be one (1) reel complete with hose and fittings. The hose reel will be rated for 300 psi working pressure and will be capable of holding 150 feet of low pressure .38", inside dimension, hose.

The hose reel will include the following features:

- The side discs will have rolled edges and concentric reinforcing ribs
- The drum will be roll formed with a full length weld
- A bearing will support the axle at each end of the reel to provide smooth rotation and eliminate weight on the swivel joint
- The reel axle will be the full length of the reel
- The swivel joint inlet will permit the reel to rotate freely while connected.

The reel will be equipped with a 12-volt D.C. electric rewind motor operated by a push button switch which is guarded to prevent accidental operation. The switch will be installed at a height not to exceed 72 inches above the operators standing position. A properly rated circuit breaker will be provided to protect the rewind motor against short circuits and overload. A 12-volt fuse will protect the rewind control circuit.

A Nylatron guide shall be provided to aid in the payout and loading of the reel. A ball stop will be provided to prevent the end of the hose from being wound onto the reel.

The low pressure reel will be equipped with 150 feet of Goodyear "Insta-Grip", heavy-duty, blue, #9273 hose. The hose will be continuous with no unions. The hose end will have a female Hansen quick disconnect. To monitor the pressure in the supply line, a gauge and valve will be provided at the air control panel.

A label will be provided in a readily visible location adjacent to the reel. The label will indicate utility air, the operating pressure, total hose length and hose size (inside dimension).

HYDRAULIC HOSE (POWER UNIT TO REEL)

A 12' section, of high pressure blue/blue Holmatro braided hose, will be provided. This is a Holmatro high pressure, non-conductive hose. All layers are permanently bonded with a 40,000 psi minimum burst pressure. The hose provides a 4:1 operational safety factor. The hose will be one continuous length, without unions, and will be equipped with quick connection type fittings at both ends.



A total of one (1) will be provided.

HYDRAULIC HOSE (POWER UNIT TO REEL)

A 30'- 40' section, of ultra-high pressure hose that has braided layers of high tensil steel wires will be provided. This is a lightweight, rugged, flexible and kink-resistant hose with bend restrictors at both ends. The minimum bend radius will be 3.50", based on hose working temperature between -40 degree F and +140 degree F. All layers are permanently bonded with a 41,000 psi minimum burst pressure. The hose provides a 4:1 operational safety factor. The hose will be one (1) continuous length, without unions, and equipped with quick connection type fittings at the power unit end. The inside hose diameter is .25" with an outside diameter of .54.

A total of one (1) will be provided.

The colors of the hose will be:

hose 1 red/black

hose 2 red/black

hose 3 n/a

The brand, model and age of tool being used with this hose will be N/A.

HYDRAULIC REEL WITH CAPACITY FOR 100' OF HOSE

A hydraulic hose reel will be provided. The reel will be operated by a 12 volt electric motor controlled by a rewind switch. The motor will be protected by a circuit breaker and the rewind circuit will be protected by a fuse. The switch will be guarded to prevent accidental operation and installed at a height not to exceed 72 inches above the operators standing position.

The reel capacity will be a minimum of 100 feet of .25" I.D. dual hydraulic hose. Surfaces where the hose comes in contact with the reel roller will be constructed of stainless steel, chrome plated steel or plastic.

A captive roller assembly shall be provided to aid in the payout and loading of the reel. A ball stop will be provided to prevent the hose from being wound around the reel.

A label will be provided in a readily visible location adjacent to the reel. The label will indicate maximum flow pressure and total cable length.

A total of one (1) reel will be installed TBD by customer.

Reel will be designed for a N/A.

LOOSE EQUIPMENT

The following equipment will be furnished with the completed unit:

- One (1) bag of chrome, stainless steel, or cadmium plated screws, nuts, bolts and washers, as used in the construction of the unit.

PAINT

The exterior custom cab and body painting procedure will consist of a six- (6) step finishing process as follows:

1. <u>Manual Surface Preparation</u> - All exposed metal surfaces on the custom cab and body will be thoroughly cleaned and prepared for painting. Surfaces that will not be painted include chrome plating, polished stainless steel, anodized aluminum and bright aluminum treadplate. Each imperfection on the exterior metal surface will be removed or filled and then sanded smooth for a smooth appearance. All seams will be sealed before painting.



- 2. Chemical Cleaning and Treatment The aluminum surfaces will be properly cleaned using a 4-phase, high pressure and high temperature acid etching system. All steel surfaces will be properly treated using a 3-phase, high temperature, cleaning/phosphatizing system. Surfaces are chemically cleaned to remove all dirt, oil, grease and metal oxides to ensure the subsequent coatings bond well. The chemical treatment converts the metal surface to a passive condition to prevent corrosion. An ultra pure water final rinse of 25 parts per million solids or less, will be applied to final rinse all metal surfaces, (excluding undercarriage components), at the conclusion of the metal treatment process. This final rinse ensures all chemical residues are removed and that no minerals, (salts), from the water dry onto the metal surface and remain under the primers and topcoats. These salts can lead to blistering and under film corrosion. The pH of the final rinse drainage coming off the treated metal will be measured and within 1.0 pH of the pure water supply, (5.0 pH).
- 3. <u>Primer/Surfacer Coats</u> A minimum of two (2) mil dry, (.002), of two component urethane primer/surfacer will be hand applied to the chemically treated metal surfaces to provide a strong corrosion protective base coat and to smooth out the surface. The primer is a high solids and low VOC paint.
- 4. <u>Hand Sanding to Ultra Fine Finish</u> The primer/surfacer coat is lightly sanded with mild abrasive paper to an ultra smooth finish. This hand finish process is critical to produce the smooth mirror like finish in the topcoat.
- 5. <u>Sealer Primer Coat</u> A two- (2) component sealer primer coat is applied over the sanded primer to again build toward the final smooth finish. This layer of primer sealer also gives additional corrosion protection.
- 6. Topcoat Paint Two (2) coats of an automotive grade, two component acrylic urethane paint are applied to provide the lasting beauty and durability. The acrylic urethane topcoat contains a clear coat resin chemistry that creates the high gloss and depth of image. This type of topcoat provides the best resistance against acid rain and other more common chemicals. The paint finish will have a surface gloss of no less than 90.00 percent reflection measured on a 60-degree geometry.

A cyclic corrosion test, (General Motors test GM-9511P), of 20 cycles will be required before making changes to the exterior coating process. Exterior coating systems, (excluding the undercarriage components), must achieve a 1/16 or less maximum creep from the scribe for aluminum and an 1/8 or less maximum creep from the scribe for galvanneal after 20 cycles in the General Motors GM-9511P test. Traditional salt spray tests have been proven in multiple studies to not accurately predict real world corrosion performance.

Each batch of color topcoat, together with the finish painted vehicle, is tested for precise color match. Visual color match will be checked following ASTM D-1729, (American Standard Testing Methods), procedures using CIE, (International Commission on Illumination), D75 Northern Daylight light source. Instrumental color match will follow ASMT D-2244 procedures with a maximum delta E of 1.0 for whites, 1.4 for yellows, blues, greens and 1.5 for reds.

All removable items such as brackets, compartment doors, door hinges, and trim will be removed and painted separately to insure paint behind all mounted items. Body assemblies that can not be finish painted after assembly will be finish painted before assembly.

The cab will be two-tone, with the upper section painted White, Miami FL #10 and lower section of the cab and body painted Red, Miami, FL #90.

PAINT - ENVIRONMENTAL IMPACT

Contractor will meet or exceed all current State (his) regulations concerning paint operations. Pollution control will include measures to protect the atmosphere, water and soil. Controls will include the following conditions:

- Topcoats and primers will be chrome and lead free.



- Metal treatment chemicals will be chrome free. The wastewater generated in the metal treatment process will be treated on-site to remove any other heavy metals.
- Particulate emission collection from sanding operations must have a 99.99% efficiency factor.
- Particulate emissions from painting operations will be collected by a dry filter or water wash process. If the dry filter means is used, it must have an efficiency rating of 98.00%. Water wash systems will be 99.97% efficient.
- Water from water wash booths will be reused. Solids will be removed mechanically on a continual basis to keep the water clean.
- Paint wastes are disposed of in an environmentally safe manner. They are used as fuel in kilns used in the cement manufacturing process thereby extracting energy from a waste material.
- Empty metal paint containers will be cleaned, crushed and recycled to recover the metal.
- Solvents used in cleanup operations will be collected, sent off-site for distillation and returned for reuse. Residue from the distillation operation will be used as fuel in off-site cement kilns.

Additionally, the finished apparatus will not be manufactured with or contain products that have ozone depleting substances. Contractor will, upon demand, present evidence that his manufacturing facility meets the above conditions and that it is in compliance with his State EPA rules and regulations.

PAINT CHASSIS FRAME ASSEMBLY

The chassis frame assembly will be painted black before the installation of the cab and body, and before installation of the engine and transmission assembly, air brake lines, electrical wire harnesses, etc. Components that are included with the chassis frame assembly will be painted black are frame rails, cross members, axles, suspension, steering gear, fuel tank, body substructure supports, miscellaneous mounting brackets, etc.

WARRANTY - PAINT AND CORROSION

Limited Warranty

Except as provided below, and provided the vehicle has been placed in service within 60 days after delivery to the original purchaser as established by our original invoice, for a period of ten (10) years after delivery to the original purchaser, Pierce Manufacturing Inc. ("Pierce") warrants to the user that its cab and body are free of blistering, peeling, corrosion, or any other adhesion defect caused by defective manufacturing methods or paint material selection for exterior surfaces of the cab and body of the vehicle. This limited warranty will apply only if the vehicle is properly maintained and used in service which is normal to the particular vehicle. Normal service means service which does not subject the vehicle to stresses or impacts greater than normally result from the careful use of the vehicle or chassis. If the buyer discovers a defect or nonconformity it must notify Pierce in writing within 30 days after the date of discovery. This limited warranty is not transferable by the first user, and is applicable to the vehicle in the following percentage costs of warranty repair, if any:

Topcoat Durability & Appearance: Gloss, Color Retention & Cracking		Corrosion: Dissimilar Metal and Crevice		
0-72 months 100% 73-96 months 50% 97-120 months 25%	0-36 months 100% 37-84 months 50% 85-120 months 25%	0-36 months 100% 37-48 months 50% 49-72 months 25% 73-120 months 10%		



body interior is warranted only under the Pierce Basic One Year Limited Warranty.

In addition to the foregoing, and subject to all of the terms and conditions of this Limited Warranty, except cost allocations, Pierce warrants its cab and body exterior paint for a period of **ten (10) years** against corrosion perforation.

A copy of the Pierce warranty is included with this proposal.

This warranty text is an illustration only. For actual details, refer to the warranty document. A copy of the Pierce warranty is included with this proposal.

COMPARTMENT INTERIOR FINISH

The interior of all compartments compartments will be sanded to a uniform finish and not painted.

REFLECTIVE STRIPES

Three (3) reflective stripes will be provide across the front of the vehicle and along the sides of the body. The reflective band will consist of a 1.00" gold stripe at the top with a 1.00" gap then a 6.00" gold stripe with a 1.00" gap and a 1.00" white stripe on the bottom. A 4.00" band will be provided at the rear of the apparatus.

The reflective band provided on the cab face will be at the headlight level.

REFLECTIVE STRIPE, CAB DOORS

A 6.00" x 16.00" light blue reflective stripe will be provided across the interior of each cab door. The stripe will be located approximately 1.00" up from the bottom, on the stainless steel door panel.

This stripe will meet the NFPA 1901 requirement.

LETTERING

Sixty-one (61) to eighty (80) reflective lettering, 4.00" high, outlining and shading will be provided.

PLACARD BRACKET

four (4) channel bracket(s) will be provided for the installation of department number placard. The bracket(s) will be located per print.

REFLECTIVE LETTERING, ROLL-UP DOORS

Fifty-two (52) letters, 6.00" high letter(s), made of white reflective vinyl will be installed on the roll-up doors on Side body.

REFLECTIVE LETTERING WITH SHADE & OUTLINE

There will be one (1) to twenty (20) 8.00" high N/A reflective letters with white shade and outline installed black.

REFLECTIVE LETTERING

There will be twenty-one (21) to forty (40), 10.00" high, white reflective letters provided and installed TBD. Lettering will include a Black outline and a black shade.

PAINTED PLATE(S) FOR LETTERING

There will be four (4) painted aluminum plate(s) provided for department lettering. They will be mounted four sides and will be 10x10x1/8 match 14300 Miami FL in size.

CAB GRILLE DESIGN

An American flag design will be painted on the cab grille.



EAGLE #2 EMBLEMS w/PIERCE EMBLEM

A pair of emblems, 18.00" to 24.00" in diameter, featuring an "Eagle in Flight clutching a Pierce Emblem", will be installed one each side body. The design will be color imaged.

"FREEDOM FLAG" EMBLEMS

There will be one (1) pair of color imaged emblems, 18.00" wide, featuring a "Flying American Flag" and an "Eagle Head", installed TBD. The pair will be mirror images of each other.

EMBLEM

A pair of emblems showing a eagle in flight will be installed on the vehicle. The emblem will be made with 22K gold leaf and a black outline. The size will be approximately 16.50"high x 11.00" wide.

INSPECTION TRIPS AND DELIVERY

Three (3) inspection tips, first trip for three (3) Fire Department personel, second for two (2) and third trip for three (3) is included in the bid price. Upon completion the unit shall be delivered to the Fire Department.

HD/NIB MOTION 02-24

A MOTION TO RECOMMEND TO THE CITY COMMISSION APPROVAL TO ALLOCATE BOND FUNDS FOR PURCHASE OF THE LIST OF SECURITY EQUIPMENT SUBMITTED TO THE BOARD BYTHE POLICE DEPARTMENT. STIPULATION THAT PURCHASE OF EQUIPMENT VALUED AT \$150,000 OR LESS BE MADE WITHIN SIX MONTHS OF APPROVAL OF SAME, AND PURCHASES OF EQUIPMENT VALUED OVER \$150,000 BE MADE WITHIN ONE YEAR OF APPROVAL OF SAME: FURTHER STIPULATING THAT PURCHASES ARE NOT MADE WITHIN THE TIME FRAMES INDICATED, BOARD RECOMMENDATION OF APPROVAL FOR SAID PURCHASES WILL BE RESCINDED.

MOVED:

D. MARKO

SECONDED:

J. GRIMES

ABSENT:

4,31,32

R. CAYARD; M. DUNN; M. LOYAL;

G. RESHEFSKY

Note for the Record: Motion passed with unanimous vote of all Board Members present

- e. Presentation by the Fire Department re: \$1.5 million Homeland Defense Preparedness Initiative.
 - * Presentation by Deputy Fire Chief Maurice Kemp. Chief Kemp provided the Board with a list of items needed by the Fire Department, including the need for an incident command post, technical rescue vehicle, terrorist cache vehicle, domestic security/terrorist cache equipment, decontamination showers, sampling/monitoring equipment, fiber optic and listening devices. The Fire Department is gearing up to handle incidents involving a massive level of individuals, such as the Department has never had to consider handling before.
 - * Board Member Marko made a recommendation that the Fire Department's list be referred to the Audit Committee for consideration.

- * Vice Chairman Reyes suggested that there was no need for further discussion or consideration of the list, noting that the list of needs was very straightforward.
- * Chairman Flanders inquired as to whether funding could be scaled back after it is determined at what level Congress would provide funding to the Fire Department.
- * Assistant City Manager Rollason suggested perhaps line item entries could be done and sources of funding could be changed on line items, depending on what other sources of funding become available to the Fire Department.
- * Vice Chairman Reyes made a motion to recommend approval of the list of equipment submitted by the Fired Department, to which Board Member de Rosa seconded. Board Member Marko offered a friendly amendment to the motion, noting that all the items on the list provided by the Fire Department were valued above \$200,000, and adding the provision to the motion that equipment valued at \$200,000 or more would be purchased within a one-year period; otherwise the recommendation of approval for purchase of such equipment would be rescinded. The maker and seconder of the motion accepted the amendment to the motion.

HD/NIB MOTION 02-25

A MOTION TO RECOMMEND TO THE CITY COMMISSION APPROVAL TO ALLOCATE BOND FUNDS FOR PURCHASE OF THE LIST OF FIRE-RESCUE EQUIPMENT SUBMITTED TO THE BOARD BY THE FIRE DEPARTMENT, WITH THE STIPULATION THAT PURCHASES OF EQUIPMENT VALUED AT \$150,000 OR LESS BE MADE WITHIN SIX MONTHS OF APPROVAL OF SAME AND PURCHASES OF EQUIPMENT VALUED OVER \$150,000 BE MADE WITHIN ONE YEAR OF APPROVAL OF SAME; FURTHER STIPULATING THAT IF PURCHASES ARE NOT MADE WITHIN THE TIME FRAMES INDICATED, BOARD RECOMMENDATION OF APPROVAL FOR SAID PURCHASES WILL BE RESCINDED.

MOVED:

M. REYES

SECONDED:

L. de ROSA

ABSENT:

R. CAYARD; M. DUNN; M. LOYAL;

G. RESHEFSKY

Note for the Record: Motion passed by unanimous vote of all Board Members present.

f. Audit Committee Report.

No report made by the Audit Committee

- g. Communications Committee Report.
 - * Report made by Board Member Jami Reyes. A power point presentation displayed the web page for the Board. Ms. Reyes indicated that she had met with Manny Otero of the IT Department and with Danette Perez, Liaison to the Board in developing the website.

 Ms. Reyes stated that the web page would be operational by Monday,

Ms. Reyes stated that the web page would be operational by Monday, October 28, 2002, upon the approval of the Board.

- * Address of the website: ci.miami.fl/bondoversight.
- * Ms. Reyes requested of the Board Members to provide a one-paragraph bio to be included in the web page. She also requested a head-shot photograph of each Board Member for inclusion in the web page.
- * Assistant City Manager Rollason informed the Board that at the November 19, 2002 City Commission, changes to the Homeland Defense/Neighborhood Improvement Bond Oversight Board Ordinance would be addressed, as to requirements for reports on projects and financial status of projects. Mr. Rollason made the suggestion that one thing that could be added to the web page was a projects section for citizens to have access to information on all projects underway in the City.

THE CITY OF MIAMI, FLORIDA DEPARTMENT OF FIRE-RESCUE

QTY	DESCRIPTION	PRICE
1	Incident Command Vehicle	\$ 200,000.00
1	Technical Rescue Vehicle	\$ 225,000.00
1	Terrorist Cache Vehicle	\$ 150,000.00
	Domestic Security Equipment	\$ 450,000.00
	Terrorist Cache Equipment	\$ 475,000.00
TOTAL		\$ 1,500,000.00

^{*}Items are listed in order of priority.

Incident Command Vehicle

This vehicle will serve as a Mobile Command Post on the scene of major incidents. The vehicle will be equipped with wireless Internet access to allow access to other agencies, databases and the City's Communication center.

Technical Rescue Vehicle

The Department of Fire-Rescue's Technical Rescue Team specializes in confined space, trench and high angle/rope rescues. The team operates out of fire station 6. This vehicle will be used to store specialty equipment used by the team and for the rapid transport of this equipment to the scene.

Terrorist Cache Vehicle

This vehicle will be used for storage and rapid transport to the scene of the cache during a manmade or naturally occurring disaster.

Domestic Security/Terrorist Cache Equipment

This equipment will include the following:

- Antidotes/Medicines These drugs will be used for the rapid treatment of a large number of individuals. The victims treated could include rescue personnel as well as citizens.
- Medical Equipment This equipment will be essential for providing treatment at mass casualty incidents.

THE CITY OF MIAMI, FLORIDA DEPARTMENT OF FIRE-RESCUE

- Level "A" Protective Suits Fully encapsulated suits will protect fire personnel while operating in a chemical or biological environment.
- Decontamination Showers Will be utilized to decontaminate a large number of people at a major chemical or biological incident.
- Atmospheric Sampling/Monitoring Equipment This equipment will be used to sample and monitor. The equipment will determine the presence of chemical, biological or radiological agents.
- Fiber Optic & Listening Devices This equipment will be used to look and listen for trapped victims in confined spaces or beneath collapsed structures.
- Tents These tents will be used to provide shelter for rescuers and citizens during extended operations.
- Portable Air Conditioners Will be used to expedite the physical rehabilitation (recovery) of rescue personnel working a major incident. May also be used to cool civilians during extended operations.

WWB/MLK/acp

not yet been able to reach an agreement with the property owner. Economic Development can address the board in six months with an update re this site.

• Fire-Rescue Homeland Defense Preparedness Initiatives.

Total dollar amount: \$5,500,000

Source of funds: Fire Rescue Homeland Defense

Preparedness Initiative

Report by: Chief Maurice Kemp - Fire-Rescue

Date approved by the board: October 22, 2002

To date, the Fire Department has purchased or has out to bid equipment totaling \$529,086. Chief Kemp reviewed the itemized list of equipment that has been purchased and equipment pending purchase with the board. An update will be provided to the board in six months.

Bicentennial Park Improvements Phase I & II Tank Removal.

Total dollar amount: \$90,000

Source of funds: Bicentennial Park Improvements

Report by: Craig Clevenger - Economic Development

Date approved by Audit Subcommittee: July 15, 2003
Date approved by the board: July 22, 2003
Date approved by the Commission: October 29, 2003

The work has been completed. \$67,942 have been spent with remaining balance of slightly over \$22,000. Two improperly bounded underground tanks were found, pulled and the area was cleaned. There was residual petroleum found in the area just in front of the park. The City is currently negotiating with FDOT to try to convey that property to FDOT, and if the negotiation is successful, FDOT will take charge of the cleanup. The Department requested to hold the remaining unspent funds for approximately six additional months to determine if the negotiations with FDOT are successful or if the Department will be responsible for the cleanup. There is a June deadline required by Dade County DERM to have a site assessment report

Fire Rescue Bond Projects

FY Current & Pending Projects

2002-2004 Status

Cost

Homeland Bonds Defense Preparedness	Project 313305	1,500,000.00	Terrorist Cache	Domestic Security
Incident Command Vehicle	Planning Stage	200,000:00	Guone	X
Technical Rescue Vehicle	Planning Stage	225,000.00		×
Terrorist Cache Vehicle	Planning Stage	150,000.00	x	^
Paratech Shoring Equipment	Approved by Commission July 25	36,014.50	R03 725	x
Hydraulic Tools	Approved by Commission June 12	164,704.00	R03 649	×
Detectrad DOSI DTLG	Procurement	10,512.00	X	
AreaRAE System Gas Detection	Sept. 11 Commission Meeting	30,900.00		×
NT Rescue Air Bag and Accessories	July 24 Commission Meeting	41,082.00		×
Chemical Detector Meters	Procurement	47,000.00	x	,
- · · · · · · · ·				
Total in Process without PO		905,212.50		
				•
Haz. Materials Handbooks for EM	PO Issued	13,225.96	X	
Hazmat Books	PO Issued	1,055.84	X	
Command Video Receiver	PO Issued	3,952.29	^	X
Gas Detectors	PO Issued	11,474.00	x	^
Search Cam	PO Issued	22,340.00	^	x
Quick Attack Monitor	PO Issued	8,959.92		X
Beryllium Hand Tools	PO Issued	2,463.85	×	^
RAE System	PO issued	700.00	×	
Pressure Extinguishers	PO Issued	250.00	×	
Smart Strip chemical Detectors	Complete	1,005.28	X	
Handtools/Sawsall	Complete	2,101.24	X	
Hazcat Kit	Complete	2,325.00	x	
WMD 1 Responder Hardline Kit Communications	Complete	12,593.28		x
Badd Box 30	Complete	2,400.00	x	
Hydraulic Cutoff Ring Saw	Complete	4,765.70		x
Bar Cutters	Complete	1,750.00		Х

Fire Rescue Bond Projects

Hydra Ram Air Hammer Stanley Hydraulic Tools Chiseling Hammer Acetylene Cylinder	Complete Complete Complete Complete Complete	1,710.00 1,874.94 21,870.00 9,244.10 1,603.65	x x x x
Total in Process with PO Balance of Project Funding	Complete	127,665.05 467,122.45	X

Homeland Bonds Neighborhood Fire Stations	Project 313306	4,500,000.00
Trailers for Temporary Fire Stations Sta. 13 Appraisals Sta. 13 Appraisals	PO Issued Canceled Canceled	129,426.00 R03 40
Total in Process with PO		129,426.00
Balance of Project Funding		4,370,574.00

Note for the Record: Prior to meeting convening officially, the members present instructed staff to give their reports on the updates.

UPDATES:

1. Fire-Rescue Homeland Defense Preparedness Initiatives.

Chief Thomas L. Flores, Fire Department, reported that of the original \$1.5 million bond issuance for equipment, \$200,000 was set aside for a command vehicle, which required additional funding sources. The command vehicle will be put out to bid or piggybacked on an existing contract bid by early summer. The TRT vehicle was put out for formal bid and came back at \$315,000; over the \$225,000 set aside for the vehicle. Federal funds will be used to cover the cost of the TRT vehicle. The hazmat vehicle is anticipated to be put out for bid later this month.

2. Application for the Pan American Seaplane Terminal Historical & Structural Rehabilitation Grant.

Robert J. Ruano, Grants Administrator, reported that the application did not score very well this year. There was some concern in Tallahassee that it wasn't really a grassroots type of project, that there wasn't an immediate threat to the building. Most of the applicants that scored very well were smaller projects that were in threat of being destroyed. Some of the aspects of the application will be changed to make it more in line with the goals and feedback of the review board. May 31 is the deadline to reapply.

3. N.W. 14th Street Improvements Project.

Roger Hatton, CIP Department, reported that all sidewalks have been done on the project, which runs from 22nd to 34th, on both sides, north and south, and the side streets. The swale blocks are currently being done on the north part, between 22nd and 34th.

4. Grand Avenue Improvements Project.

Neal Poteet, CIP Department, reported that the drainage crew is continuing to work on the south side. The eastbound lane is closed and the westbound is open, with one-way traffic. In about three weeks, work will begin on the drainage east of McDonald Street, along the centerline of Grand Avenue. Traffic in that area will remain two-way traffic. The landscape contractor is pre-digging his holes preparing for the trees, which are expected to arrive next week. Most of the tree grates have been placed. Tree installation will begin late next week. The concrete pavers are expected to arrive next week and placement will start on the north side. The street light contractor is currently placing conduits on the south side. MDWASD is expected to recommence rebuilding the manifolds for the multiple water meter banks into the businesses. As of this date, billings are at 35 percent. Contract completion is expected late August 2005. The citizen and business complaints are minimal compared to the volume of complaints at the start of the project.

- **9.** Fire-Rescue Homeland Defense Preparedness Initiatives. Chairman Robert Flanders reported that 100 percent of the funds allocated by the Board have been spent.
- **10.** Police Mobile Command Unit. No update given.
- **11.** Police Bomb Squad Bunker Improvements. No update given.
- **12.** Police Sky Watch Observation Tower. No update given.
- **13.** Police Security Gates South Substation. No update given.
- 14. Police Training Facility Presentation.

 Commander Steven Caceres, Police Department, reported that a design for the facility should be completed within 18 months, but fundraising will begin immediately for the facility. The project is currently at the competitive design stage.

Cary Sanchez-Rea, CIP Department, reported that preparations are being made to begin a design competition for the police training facility, and the aim is to attain a national focus. Qualification materials are currently being prepared, as well as the design criteria. Programming has been developed alongside the Police Department, and the preliminary concept has already been generated. The preliminary selection should occur around late fall, and those individuals will be invited back to make their presentations, and then designers will be selected.

Mary Conway, Director, CIP, reported that the CIP Department has a target date of another three weeks to have a draft of a Request for Qualifications to go out on the street, which will go out nationally. There will be a two-tiered selection process. The Department will short-list three to four firms, or teams of firms, to make presentations, and make a final selection of one firm. That process is expected to be fully completed within a six-month period. A fee will be negotiated once that process is complete, and then it will come back before the Board for approval and authorization, as well as going before the City Commission.

Gary Reshefsky requested that Commander Steven Caceres and Major Hector Mirabile come back to the Board within 90 days with an update.

15. Little Haiti Park Project - Progress Report. No update given.

III. CHAIRPERSON'S OPEN AGENDA:

UPDATES:

1. Fire-Rescue Homeland Defense Preparedness Initiatives

Tom Flores, Assistant Fire Chief, stated that all proposals to purchase land had failed. Not much progress made on equipment either. Federal funds had been used for some equipment. Request for proposals were issued for equipment, which should be reviewed mid October.

2. Land Acquisition for Future Fire Station at 749 NE 79 Street.

Madeline Valdes, Economic Development, stated the \$500,000 proposal to purchase a church fell through prior to closing. Some of said funds (\$5,978) were spent in due diligence. The balance is now available to go back into homeland defense fire account. The administration is no longer pursuing this location, but is continuing to seek other sites in the area.

- 3. Land Acquisition for Little Haiti Park Parcels 72 & 74.
- 4. Land Acquisition for Little Haiti Park Parcel 73.
- 5. Land Acquisition for Little Haiti Park Parcel 78

Madeline Valdes, Economic Development stated:

Parcel 72 & 74 the City is not purchasing because the property owner did not sign the agreement.

Parcel 73 the City is not purchasing because the property owner did not sign the agreement.

Parcel 78 was purchased, closed and conducting demolition, which should be completed this week.

Mr. Reshefsky requested Ms. Valdes to provide the board with photographs.

6. Little Haiti Park Survey of Alleyway near 59 St. N.E. 2nd Avenue.

Madeline Valdes, Economic Development, stated that a survey had been procured for area behind the Caribbean Marketplace, pursuant to the board's request, to establish no encroachments on the site.

7. Demolition and Construction of Parking Lot at 1501 S.W. 9 St.

Juan Ordonez, Capital Improvement Projects, reported a unity of title is required for this project. Mary Conway, Director of CIP, reported city is considering different options, will be costing project and will come back with a recommendation.

DEPARTMENT OF CAPITAL IMPROVEMENTS

PROJECT OVERVIEW FORM



1. DATE: 7/24/07 DISTRICT: 2 NAME OF PROJECT: BLANCHE PARK FENCE PROJECT INITIATING DEPARTMENT/DIVISION: Parks & Recreation Department INITIATING CONTACT PERSON/CONTACT NUMBER: Ed Blanco (305)416-1240 C.I.P. DEPARTMENT CONTACT: Ola O Aluko (305) 416-1280 ____ CIP/PROJECT NUMBER: _ RESOLUTION NUMBER: ___ 2. BUDGETARY INFORMATION: Are funds budgeted? XYES TOTAL DOLLAR AMOUNT: \$12,000 SOURCE OF FUNDS: District 2 Quality of Life Improvements If grant funded, is there a City match requirement? \(\sum \) YES EXPIRATION DATE: AMOUNT: Are matching funds Budgeted? YES NO Account Code(s): _ Estimated Operations and Maintenance Budget _ 3. SCOPE OF PROJECT: Individuals / Departments who provided input: _ DESCRIPTION OF PROJECT: This project scope includes materials, labor and equipment to install a new 4' high, 9 gauge green vinyl coated chain link fence system with schedule #40 framework. ADA Compliant? YES NO N/A Approved by Audit Committee? \square YES \square NO \square N/A **DATE APPROVED:** __7/18/07 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: __7/24/07__ Approved by Commission? YES NO N/A DATE APPROVED: _ Revisions to Original Scope? YES NO (If YES see Item 5 below) Date for next Oversight Board Update: Time Approval 6 months 12 months 4. CONCEPTUAL COST ESTIMATE BREAKDOWN Has a conceptual cost estimate been developed based upon the initial established scope? TYES NO If yes, DESIGN COST: CONSTRUCTION COST: ☐ YES ☐ NO ☐ YES ☐ NO Is conceptual estimate within project budget? If not, have additional funds been identified? Source(s) of additional funds: _ ☐ YES ☐ NO ☐ N/A **DATE APPROVED**: Approved by Commission? Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: _ 5. REVISIONS TO ORIGINAL SCOPE Individuals / Departments who provided input: _ Justifications for change: _ Description of change: ☐ YES ☐ NO Fiscal Impact HOW MUCH? _ ☐ YES ☐ NO Have additional funds been identified? Source(s) of additional funds: Time impact Approved by Commission? ☐ YES ☐ NO ☐ N/A DATE APPROVED: Approved by Bond Oversight Board? YES NO NA DATE APPROVED: 6. COMMENTS: APPROVAL: **DATE:** 7/24/07 BOND OVERSIGHT BOARD Enclosures: Back-Up Materials XYES NO

HOMELAND DEFENSE/NEIGHBORHOOD IMPROVEMENT BOND FUNDS

JULY 2007 DEPARTMENT OF PARKS AND RECREATION PROPOSED PROJECT FUNDING

<u>PARK</u>	PROJECT	B-No.	<u>\$ REQ.</u>	BUDGET	ORIG. SCOPE	INITIATED BY
Blanche Park 3045 Shipping Ave	New fence for dog park area	39910A	\$12,000	(Com. Sarnoff'	s Quality of Life Funds)	Marc Sarnoff
City Cemetery 1800 NE 2 nd Ave	Saunder's Plot Repairs/new Construction	39910B	\$20,000	(Com. Sarnoff	's Quality of Life Funds) Marc Sarnoff

Total Requested from Bond Funds: \$32,000

Fence Contractors	PROF	POSAL	A 10864
(Since 1972) • WOOD • PVC	RONALD M.	GIBBONS, INC.	Page No. 1 Pages
• Chain Link • Ron • Steel Picket - Alumnia • Electrical gate operators • Walls • Custom • Residential & Commercial • Ins	14070 N.W. 20 TH AVENUE MIAME, FL 33854 TITUTIONAL	Dade: (305) 652-5845 Bwd: (954) 920-1210 Fax: (305) 652-9304	CC # 9356 INSURED
PROPOSAL SUBM		PHONE: 305-793-4322 FAX: 305- 960-3019	DATE: 5/24/07
NAME: CITY OF MIAMI PARI	KS&RECREATION	JOB NAME: BLANCHE PARK	
STREET: 1950 NW 12 AVENUE	E . ,	STREET:	
CITY: MIAMI	and the second of the second second control of the second control	CITY: MIAMI	STATE: PL
STATE: FLORIDA		ATTN:FERMIN	
SCOPE/APPROXIMATE QUAI A. 380 L.F OF EXISTING B. 359 L.F OF NEW 4' I C. 1 EACH 11' x 4' DOU D. 2 EACH 5' x 4' SING E. 7 EACH CORNER POSTS F. 2 EACH END POSTS. TOTAL	HIGH FENCE HIGH FENCE. JBLE SWING GATE. SLE SWING GATE. S. BUILDING PERMIT ON ITEMS & QUAN SAFE & ACCESSIBLE	\$11,253.50 IS EXCLUDED. TITIES PER THIS PRO E FOR WORKMEN,TRUCK	POSAL. S&EQUIPMENT. the above specifications, for the sum of: payment to be made as follows:
I material is guaranteed to be se specified. All wo om above specifications involving extra cest, will preements contingent upon strikes, accidents or o void thereafter at the option of the undersigned.	be executed only upon written of delays beyond our control. This Authorized Signature	proposal subject to acceptance within	e over and above the estimate. All
The above prices, specifications and conditions in the event of cancellation the purchaser (s) agre	are harnly appeared. You see	sushorized to do work as specified. Pay	rment will be made as outlined above. or a 10% restocking fee.
ACCEPTED:	·	Signature:	

Signature:

For Bons BOURD IN July

Blanco, Edward

From:

Perez, Maria

Sent:

Wednesday, June 13, 2007 1:30 PM

To:

Alvarez, Fermin

Cc:

Blanco, Edward

Subject:

FW: Blanche Park Fence

Importance: High

Fermin: Give Ed the price quote and he will take it to the bond oversight board.

From: Conway, Mary

Sent: Wednesday, June 13, 2007 11:48 AM

To: Marc Sarnoff; Nelson, Ron; Alvarez, Fermin; Perez, Maria Cc: Alexander, Ryan; Saenz, Pilar; Perez, Danette; Prendes, Zimri

Subject: RE: Blanche Park Fence

Parks simply needs to work with CIP staff to prepare an item to go before the bond oversight board authorizing the use of bond monies for this purpose. Once approved, parks can proceed with project implementation. You may also want to let your D2 board members know of the commissioner's support of the project. Regards,

Mary

From: Marc Sarnoff [mailto:mdsarnoff@attglobal.net]

Sent: Wednesday, June 13, 2007 11:30 AM **To:** Nelson, Ron; Alvarez, Fermin; Perez, Maria

Cc: Alexander, Ryan; Conway, Mary **Subject:** RE: Blanche Park Fence

Mary can help.

Marc

From: Nelson, Ron [mailto:rnelson@miamigov.com]

Sent: Wednesday, June 13, 2007 7:59 AM

To: Alvarez, Fermin; Perez, Maria **Cc:** Marc Sarnoff; Alexander, Ryan **Subject:** Blanche Park Fence

Fermin, I got your estimate for fencing around Blanche Park. Is this just the Dog Park section? If yes we will fund from our Quality of Life money. I do not know the procedure to release the funds, so I will need your department's guidance on that.

Ron Nelson

Senior Staff – Community Affairs Commissioner Marc D. Sarnoff City of Miami District 2 (305) 250-5334

DEPARTMENT OF CAPITAL IMPROVEMENTS PROJECT OVERVIEW FORM



1. DATE: _7/24/07 DISTRICT: _2
NAME OF PROJECT: SAUNDER'S PLOT REPAIRS AT CITY'S CEMETERY
INITIATING DEPARTMENT/DIVISION: Parks & Recreation Department
INITIATING CONTACT PERSON/CONTACT NUMBER: Ed Blanco (305)416-1240
C.I.P. DEPARTMENT CONTACT: Ola O Aluko (305) 416-1280 RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-39910
RECODE PROPERTY OF THE PROPERT
2. BUDGETARY INFORMATION: Are funds budgeted? \(\text{YES} \) NO If yes,
TOTAL DOLLAR AMOUNT: \$23,767 (\$20,000 is from District 2 Quality of Life Improvements & \$3,767 is
from Bay Front Park Trust Fund)
SOURCE OF FUNDS: District 2 Quality of Life Improvements & Bay Front Park Trust Fund.
If grant funded, is there a City match requirement? YES NO
AMOUNT: EXPIRATION DATE:
Are matching funds Budgeted? YES NO Account Code(s): Estimated Operations and Maintenance Budget
3. SCOPE OF PROJECT: Individuals / Departments who provided input:
DESCRIPTION OF PROJECT: This project scope includes the demolition and removal of all four arched
beams. Erect 16'x8" grade beams connecting all columns and provide new arch beams. Hand excavates all footing
and grade beams in order not to disturb any underground graves. Level and straighten all columns prior to erecting
beams, provide barricades, debris removal, stucco patching, paint, and sod area damaged by construction.
ADA Compliant? YES NO N/A
Approved by Audit Committee? XYES NO N/A DATE APPROVED: 7/18/07
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 7/24/07
Approved by Commission?
Revisions to Original Scope? YES NO (If YES see Item 5 below)
Time Approval 6 months 12 months Date for next Oversight Board Update:
4. CONCEPTUAL COST ESTIMATE BREAKDOWN
Has a conceptual cost estimate been developed based upon the initial established scope? YES NO If yes, DESIGN COST:
CONSTRUCTION COST:
Is conceptual estimate within project budget? YES NO
If not, have additional funds been identified?
Source(s) of additional funds:
Approved by Commission?
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED:
5. REVISIONS TO ORIGINAL SCOPE
Individuals / Departments who provided input:
Justifications for change:
Description of change:
Description of change.
Fiscal Impact YES NO HOW MUCH?Have additional funds been identified? YES NO
Source(s) of additional funds:
Time impact
Approved by Commission? YES NO N/A DATE APPROVED: YES NO N/A DATE APPROVED: YES NO N/A DATE APPROVED:
6. COMMENTS:
ADDROVAL.
APPROVAL: DATE:7/24/07 BOND OVERSIGHT BOARD
Enclosures: Back-Up Materials ✓ YES NO

HOMELAND DEFENSE/NEIGHBORHOOD IMPROVEMENT BOND FUNDS

JULY 2007 DEPARTMENT OF PARKS AND RECREATION PROPOSED PROJECT FUNDING

<u>PARK</u>	PROJECT	B-No.	<u> REQ.</u>	BUDGET	ORIG. SCOPE	INITIATED BY
Blanche Park 3045 Shipping Ave	New fence for dog park area	39910A	\$12,000	(Com. Sarnoff'	s Quality of Life Funds)	Marc Sarnoff
City Cemetery 1800 NE 2 nd Ave	Saunder's Plot Repairs/new Construction	39910B	\$20,000	(Com. Sarnoff	's Quality of Life Funds)	Marc Sarnoff

Total Requested from Bond Funds: \$32,000

EDFM CORPORATION 10021SW 98TH AVENUE MIAMI, FLORIDA 33176 786-228-9687 FAX 305-428-3724 EDFMCONSTRUCTION@GMAIL.COM

July 05, 2007

City of Miami
Department of Parks and Recreation
444 SW 2nd Ave.
Miami, Fla. 33130

Att: Edward Blanco, Project Supervisor

Re: Repair of Saunder's Plot

Dear Mr. Blanco,

The following is our price to reconstruct the City Cemetery Monument. Our scope of work is as follows:

- 1. Demolition: Remove all four arched beams.
- 2. Concrete: Erect 16'x8" grade beams connecting all columns, provide new arched beams
- 3. Excavation: Hand excavate all footings and grade beams in order not to disturb any underground graves.
- 4. Miscellaneous: Level and straighten all columns prior to erecting beams, provide barricades, debris removal, stucco patching, paint, and sod areas damaged by construction.

TOTAL COST

\$23,767.00

Exclusions: Architectural/Structural drawings, permit fees, relocation of any underground graves or lawn sprinkler lines

Sincerely Yours Fernando Rodriguez

CGC 024746

Prendes, Zimri

From:

Blanco, Edward

Sent:

Friday, July 06, 2007 9:31 AM

To:

Perez. Danette

Cc:

Prendes, Zimri

Subject: FW: Repair of the Suunders Plot

Danette/Zim

You may want to add this email to my requests for mailing to members of the audit committee. This completes the funding for this project.

Ed Blanco Project Supervisor City of Miami **Parks and Recreation** 305-416-1253

From: Nelson, Ron

Sent: Thursday, July 05, 2007 5:31 PM

To: Blanco, Edward

Cc: 'Marc Sarnoff (info@marcsarnoff.com)'; Burkeen, Ernest; Miro, Claudia M.; Alexander, Ryan

Subject: RE: Repair of the Suunders Plot

Ed, Commissioner Sarnoff has authorized spending up to \$20,000 for repair of the Saunders' plot due to the historical significance and the risk of injury to the public if not repaired.

Please place this on the agenda of the Bond Oversight Committee.

I believe we have 2 sources available for this funding:

- Bay Front Park Trust
- Homeland Defense Neighborhood Improvement Bond

Ron Nelson

Senior Staff - Community Affairs Commissioner Marc D. Sarnoff City of Miami District 2 (305) 250-5334

From: Nelson, Ron

Sent: Friday, June 22, 2007 5:36 PM

To: Burkeen, Ernest

Cc: Marc Sarnoff (info@marcsarnoff.com) Subject: Repair of the Suunders Plot

Miami City Cemetery

Ernest, the Saunders plot needs repair right now. Andrew Holmes can fill you in if you are not familiar. Please secure estimates from approved vendors to repair or replace the arches at the Saunders plot. This office will see if it can make the funds available for repair once we know the \$ amt.

Please advise as to the process ASAP.

Ron Nelson

Senior Staff - Community Affairs







DEPARTMENT OF CAPITAL IMPROVEMENTS

PROJECT OVERVIEW FORM



1. DATE: 7/24/07 DISTRICT: NAME OF PROJECT: MORNINGSIDE PARK SHORELINE STABILIZATION PROJECT INITIATING DEPARTMENT/DIVISION: Capital Improvements Program INITIATING CONTACT PERSON/CONTACT NUMBER: (305)416-1253 C.I.P. DEPARTMENT CONTACT: Ola O Aluko (305) 416-1280 RESOLUTION NUMBER: _ ___ CIP/PROJECT NUMBER: B-30317 2. BUDGETARY INFORMATION: Are funds budgeted?

YES

NO TOTAL DOLLAR AMOUNT: \$1,000,300 (\$705,000 is only from Neighborhood Parks Improvements & Acquisition) SOURCE OF FUNDS: \$705,000 Neighborhood Park Improvements & Acquistions/\$10,300 SNPB Conversion & \$285,000 SFWMD Shoreline Stabilization If grant funded, is there a City match requirement? \(\sum \) YES AMOUNT: EXPIRATION DATE: Are matching funds Budgeted? YES NO Account Code(s): _ Estimated Operations and Maintenance Budget 3. SCOPE OF PROJECT: Individuals / Departments who provided input: _ DESCRIPTION OF PROJECT: This project scope includes the removal and disposal of existing concrete ruble, debris and exotic vegetation. Construct a Rip-Rap revetment along 334 linear feet of shoreline out a distance of (10) feet waterward. Kayak launching area. ADA Compliant? YES NO N/A Approved by Audit Committee? ☐ YES ☐ NO ☐ N/A **DATE APPROVED**: __7/18/07 Approved by Bond Oversight Board? Approved by Commission? YES NO (If YES see Item 5 below) Revisions to Original Scope? Time Approval 6 months 12 months Date for next Oversight Board Update: 4. CONCEPTUAL COST ESTIMATE BREAKDOWN Has a conceptual cost estimate been developed based upon the initial established scope? 🗌 YES 🗌 NO 🏻 If yes, DESIGN COST: CONSTRUCTION COST: 🗌 YES 🔲 NO Is conceptual estimate within project budget? 🗌 YES 🔲 NO If not, have additional funds been identified? Source(s) of additional funds: Approved by Commission? ☐ YES ☐ NO ☐ N/A **DATE APPROVED**: YES NO N/A DATE APPROVED: Approved by Bond Oversight Board? 5. REVISIONS TO ORIGINAL SCOPE Individuals / Departments who provided input: Justifications for change: Description of change: Fiscal Impact ☐ YES ☐ NO HOW MUCH? Have additional funds been identified? ☐ YES ☐ NO Source(s) of additional funds: Time impact YES NO N/A DATE APPROVED:
YES NO N/A DATE APPROVED: Approved by Commission? Approved by Bond Oversight Board? 6. COMMENTS: APPROVAL: DATE: 7/24/07 BOND OVERSIGHT BOARD

Enclosures: Back-Up Materials X YES NO



Date Prepared: 4-Jun-2007
VERSION: REV02

PROGRAM 331 - Parks & Recreation AREA Infrastructure & Environment - 3 PROJECT NAME: Morningside Park Shoreline Stabilization **PROJECT NO:** B-30317 ADDRESS / LOCATION: 750 NE 55th Terrace DISTRICT: 2 **PROJECT TEAM: Vertical** PROJECT CONTRACTED COST: \$ 72,153.00 CATEGORY: Parks & Recreation PROJECT EST. COST: \$ 1,000,300.00 CLIENT DEPT: Parks & Recreation - 58 **CURRENT FUNDS: \$** 642,300.00 **CLIENT CONTACT:** Ed Blanco TEL.: (305) 416-1253 **FUTURE FUNDS:** 358,000.00 **DESIGN MANAGER: Edgar Munoz** TEL.: (305) 416-1275 **FUND SHORTFALL: CONSTR. MANAGER: Lionel Zapata** TEL.: (305) 416-1788 PROCUREMENT: JOC EST. DESIGN START: 09/22/04 EST. BID ADV .: **EST. CONSTRUCTION START:** 04/02/07 **EST. DESIGN END: 03/30/07 EST. AWARD DATE: EST. CONSTRUCTION END:** 11/30/07 **PRODUCTION PHASE (3-DES)** % of % of Estimated Design Contracted Design Const Const. Prime Consultant: EDC Corporation CODE 1 Outside Consultant - Basic Design Fee 5.8% 01.01 41,353.00 0.0% \$ 33,853.00 2 Outside Consultant - Additional Design Services 01.01 0.6% 4,194.00 0.0% \$ 7,500.00 3 CIP In-House - Basic Design Fee 01.02 \$ 0.0% **CIP - Production Management** 01.02 5.0% \$ 35,750.00 52.6% 18,800.00 **General Production Phase Contingency** 01.01 7.5% \$ 3,400.00 18.4% \$ 7,594.00 6 \$ \$ 7 \$ \$ 8 \$ \$ S 9 \$ \$ S 10 \$ \$ 0 C 11 \$ 12 \$ \$ ⋖ 15 **Estimated** Contracted **PRODUCTION TOTALS** \$ 84,697.00 60.153.00 S ⋖ CONSTRUCTION PHASE (4-CON) **Contracted Construction** Q Estimated Construction by **Prime Contractor: FHP Tectonics Corp** CODE (Formal Bid, Informal Bid or 2 ₹ JOC Method) 1 Construction Cost (Prime Contractor) 02 650,000.00 \$ Q 2 Construction Contingency Allowance 02 10.0% \$ 65,000.00 0.0% \$ 785,293.00 3 Additional Services / Change Orders (Prime Contractor) \$ \$ Other Construction Related Services 02 \$ 70,293.00 Σ \$ \$ \$ \$ ш 7 \$ \$ \$ Ċ W **Estimated** Contracted CONSTRUCTION TOTALS S 785,293.00 œ **CONSTRUCTION ADMINISTRATION (8-CEO)** CODE Estimated CEO **Contracted CEO** 1 Construction Engineering Observation (CEO) Consultant 03.01 11.7% \$ 83,835.00 0.0% \$ 2 Construction Engineering Observation CIP/Transportation \$ 0.0% \$ JOC Administration - The Gordian Group (Always 1.5%) 03.03 1.5% 10,725.00 1.5% \$ **Estimated** Contracted **CONSTRUCTION ADMINISTRATION TOTALS** 94.560.00 **ADMINISTRATIVE EXPENSES (6-ADM)** CODE **Estimated ADMIN Contracted ADMIN** 1 CIP Department (Mgmt./Budget/Procurement/Comm.): 5.0% \$ 35,750.0 33.6% \$ 12,000.0 **Estimated** Contracted ADMINISTRATIVE EXPENSES TOTALS 35,750.00 12,000.00

	ADDITIONAL PROJECT TASKS	CODE	Estim	ated TASF	rs c	ontracto	ed TASKS
	1 EQUIPMENT (5-EQU):	L	\$		- \$		-
	2 PLANNING (2-PLN):		\$		- \$		-
	3 ACQUISITION EXPENSES (1-LAQ) Land:		\$		- \$		-
	4 ACQUISITION EXPENSES (1-LAQ) Transaction:		\$	N. S. W. S.	- \$		-
	5 PROGRAM MANAGEMENT (0-MGT):		\$		- \$		_
	ADDITIONAL PROJECT TASKS TO	OTALS		timated		Contr	acted
			\$		- \$		
	B-30317 PROJECT GRAND TOTAL	٨١	Es	timated	1	Contr	acted
	B-30317 PROSECT GRAND TOTA	<u>7</u> L	\$	1,000,3	00.00 \$	-	72,153.00
	Removal and disposal of existing concrete ruble, debris and exotic veg	etation.	Construct a	a Rip-Rap i	revetment along	334 line	ar feet of
	shoreline out a distance of ten (10) feet waterward. Kayak launching a	area.	001101111101	a tup tup i	overment dieng	OOT MILE	ar reet or
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<u>بو</u>	Receipt of PAF by Danette Perez - CIP Public Relations Coo	ramate)r	101	1710+		TURII o J
Notes				Date	DID + Received / S	1///	e-or-initials
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S	Project MUST be Presented to the Bond Oversigh AWARD NAME AND NUMBER SNPB Conversion - 1216	t Boar	<u>'d</u>	\$ \$	/AILABLE 10,300.00	\$	
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RCES Not	Project MUST be Presented to the Bond Oversigh AWARD NAME AND NUMBER SNPB Conversion - 1216 HD NEIGHBOZHOOD PARK SERIES 1 - 1058 Plea SFWMD Shoreline Stab - 1109	<i>t Boar</i>	<u>'d</u>	\$ \$ \$ \$	/AILABLE 10,300.00 347,000.00	\$ \$	
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ND SOURCES Not	Project MUST be Presented to the Bond Oversigh AWARD NAME AND NUMBER SNPB Conversion - 1216 HD NEIGHBOZHOOD PARK SERIES 1 - 1058 Plea SFWMD Shoreline Stab - 1109	<i>t Boar</i>	r <u>d</u> Note Above	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	/AILABLE 10,300.00 347,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<u>FUTURE</u>
D SOURCES Not	Project MUST be Presented to the Bond Oversigh AWARD NAME AND NUMBER SNPB Conversion - 1216 HD NEIGHBOZHOOD PARK SERIES 1 - 1058 Plea SFWMD Shoreline Stab - 1109	<i>t Boar</i>	r <u>d</u> Note Above	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	/AILABLE 10,300.00 347,000.00 285,000.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<u>FUTURE</u>
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be electronically distributed to the following individuals:

Director of the Client Department, Yvette Maragh, Edwige De Crumpe, Senior Project Manager and Project Manager.

DEPARTMENT OF CAPITAL IMPROVEMENTS PROJECT OVERVIEW FORM





1. DATE: 9/26/06	DISTRICT: 5
NAME OF PROJECT: LITTLE HAITI PARK SO	CCER FIELD
INITIATING DEPARTMENT/DIVISION: <u>Capit</u> INITIATING CONTACT PERSON/CONTACT N	tal Improvements & Transportation
C.I.P. DEPARTMENT CONTACT: Gary Fabrikan	A and Mary Convey
RESOLUTION NUMBER: CIP/PRO	OIECT NUMBER: Acct# 331412
ADDITIONAL PROJECT NUMBER:	B-38500
-	(IF APPLICABLE)
2. BUDGETARY INFORMATION: Are funds bud	lgeted? YES NO If yes,
TOTAL DOLLAR AMOUNT: Additional HDNIB fur	nding request is \$759.529 (Previously Approved
\$6.144M HDNIB on November 10, 2005)	
SOURCE OF FUNDS: (Little Haiti Park Land Acquis	sition & Development), The difference is funded fro
Impact fees, Miami Dade G.O.B and miscellaneous and ACCOUNT CODE(S): CIP # 331412	revenues from General Funds Contribution.
If grant funded, is there a City match requirement? YIAMOUNT: EXPIRATION	ES NO
Are matching funds Budgeted? YES NO	DATE:
Estimated Operations and Maintenance Budget	account Code(s):
3. SCOPE OF PROJECT:	
Individuals / Departments who provided input:	
DESCRIPTION OF PROJECT: Additional scope of wo	ork and change orders will be presented at the meting.
ADA Compliant? YES NO N/A	
Approved by Audit Committee?	S NO N/A DATE APPROVED: 9-20-06
Approved by Bond Oversight Board?	S NO N/A DATE APPROVED: 9-26-06
Approved by Commission?	S NO NA DATE APPROVED:
Community Mtg/Dist. Commissioner Approval? YE	S NO NA DATES:
Revisions to Original Scope?	S NO (If YES see Item 5 below)
	r next Oversight Board Update:
4. CONCEPTUAL COST ESTIMATE BREAKDOW	
Has a conceptual cost estimate been developed based upor	
DESIGN COST:	
CONSTRUCTION COST:	
• • • • • • • • • • • • • • • • • • • •	S □ NO
Source(s) of additional funds:	5 □ NO
	D □ N/A DATE APPROVED:
	N/A DATE APPROVED:
5. REVISIONS TO ORIGINAL SCOPE	THE BITTERITY OF THE STATE OF T
ndividuals / Departments who provided input:	
ustifications for change:	
Description of change:	
Fiscal Impact	HOW MUCH?
Iave additional funds been identified? YES NO ource(s) of additional funds:	
ime impact	
approved by Commission? YES NO	□ N/A DATE APPROVED:
. COMMENTS:	
PPROVAL:	DATE
BOND OVERSIGHT BOARD	DATE : 9-26-06
	Enclosures: Back-Up Materials X YES NC

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AGENDA ITEM SUMMARY FORM

FILE ID: 06-014 25

Dat	te: <u>8/14/2006</u>	Requesting Department:	CIT Departmen 2008 AUG
Con	nmission Meeting Date: <u>9/12/2006</u>	District(s) Impacted:	
Тур	e: 🛭 Resolution 🔲 Ordinance 🔲	l —	scussion Item Other
	ject: Authorization to execute the negotia eation Design and Construction, Inc. for the pose of Item:	ated Amendment No. 2 to the Desi he Little Haiti Park Soccer & Recr	gn-Build Agreement with eational Facilities, B-38500
To with 3850	authorize the City Manager to execute the Recreation Design and Construction, Inc in an amount not to exceed \$2,303,002 (28,944).	' I/)F I/DE I IDEA Hosts Donk Conners of	Th
Back	ground Information:		
Haiti 62 nd S Proje	City established a capital improvement provement Bond program to design and con Park, to be located on the site of the form Street, Miami. In December of 2004, pursect was best implemented using a Design-I and Construction. Inc. (RDC). The Construction Inc. (RDC). The Construction Inc. (RDC).	nstruct a soccer and recreational fac- ner Keystone Trailer Park along NI suant to Resolution No. 04-0786, the Build process, and outhering the	cilities for the new Little E 2 nd Avenue north of NE he City determined that this
the de	gn and Construction, Inc. (RDC) The Capesign and construction of the Project in and the agreement increasing the value by \$28,944.	ntal Improvements and Transporta	tion Department negotiated
the de	esign and construction of the Project in an d the agreement increasing the value by \$28,944.	ntal Improvements and Transporta	tion Department negotiated. It is now necessary to mount not to exceed FY 06: 1,726,341
the de	esign and construction of the Project in an d the agreement increasing the value by \$8,944. Budg Is this item related to revenue?	amount not to exceed \$5,725,942 (2,303,002 from \$5,725,942 to an a	ition Department negotiated. It is now necessary to mount not to exceed FY 06: 1,726,341 FY:07: 576,661
the de amend \$8,02	esign and construction of the Project in an d the agreement increasing the value by \$.8,944. Budg Is this item related to revenue? Is this item an expenditure? If so, General Account No:	amount not to exceed \$5,725,942 (2,303,002 from \$5,725,942 to an a	ition Department negotiated. It is now necessary to mount not to exceed FY 06: 1,726,341 FY:07: 576,661
the de amend \$8,02	Budg Is this item related to revenue? Is this item an expenditure? If so, General Account No: Special Revenue Account No:	get Impact Analysis please identify funding source	ition Department negotiated. It is now necessary to mount not to exceed FY 06: 1,726,341 FY:07: 576,661
the de amend \$8,02	Budg Is this item related to revenue? Is this item an expenditure? If so, General Account No: Special Revenue Account No: CIP Project No:	get Impact Analysis splease identify funding source B-38500	FY 06: 1,726,341 EY:07: 576,661 e below.
NO YES YES Start U Mainte	Budg Is this item related to revenue? Is this item an expenditure? If so, General Account No: Special Revenue Account No: CIP Project No: Is this item funded by Homeland In Capital Cost: Enance Cost:	get Impact Analysis splease identify funding source B-38500	FY 06: 1,726,341 EY:07: 576,661 e below.
NO YES Start U Mainter Total F	Is this item related to revenue? Is this item an expenditure? If so, General Account No: Special Revenue Account No: CIP Project No: Is this item funded by Homeland I p Capital Cost: nance Cost: Siscal Impact: APPROVAL303,002 Figure 1 Standard Date	get Impact Analysis please identify funding source B-38500 Defense/Neighborhood Impro	FY 06: 1,726,341 EY:07: 576,661 e below.
NO YES Start U Mainter Total F	Budgesign and construction of the Project in an d the agreement increasing the value by \$18,944. Budges Is this item related to revenue? Is this item an expenditure? If so, General Account No: Special Revenue Account No: CIP Project No: Is this item funded by Homeland I by Capital Cost: In ance Cost: Siscal Impact: APPROVAL303,002	get Impact Analysis please identify funding source B-38500 Defense/Neighborhood Impro	FY 06: 1,726,341 FY:07: 576,661 e below. Sully Elizion
NO YES Start U Mainter Total F	Is this item related to revenue? Is this item an expenditure? If so, General Account No: Special Revenue Account No: CIP Project No: Is this item funded by Homeland I p Capital Cost: nance Cost: iscal Impact: APPROVAL303,002 Figure 1 Approval303,002 Figure 2 Approval303,002 Figure 2 Approval303,002 Figure 2 Approval303,002 Figure 3 Approval303,002 Figure 3 Approval303,002 Figure 3 Approval303,002 Figure 3 Approval303,002 N/A	get Impact Analysis please identify funding source B-38500 Defense/Neighborhood Impro inal Approvals SIGN AND DATE) Budget Management	FY 06: 1,726,341 EY:07: 576,661 e below.
NO YES Start U Mainter Total F CIP If using 6 Grants	Is this item related to revenue? Is this item an expenditure? If so, General Account No: Special Revenue Account No: CIP Project No: Is this item funded by Homeland I p Capital Cost: mance Cost: iscal Impact: APPROVAL303,002 Figure 1 May och 8 15 10 1 15 10 15	get Impact Analysis please identify funding source B-38500 Defense/Neighborhood Impro inal Approvals SIGN AND DATE) Budget Impact Analysis	FY 06: 1,726,341 FY:07: 576,661 e below. Sully Elizion
NO YES Start U Mainter Total F CIP If using of Grants Purchase	Is this item related to revenue? Is this item an expenditure? If so, General Account No: Special Revenue Account No: CIP Project No: Is this item funded by Homeland I p Capital Cost: mance Cost: iscal Impact: APPROVAL303,002 Figure 1 May och 8 15 10 1 15 10 15	get Impact Analysis please identify funding source B-38500 Defense/Neighborhood Impro inal Approvals SIGN AND DATE Budget Impact Analysis Risk Management Dept. Director	FY 06: 1,726,341 FY:07: 576,661 e below. Sully Elizion

Project Manager: Roger Hatton

16 AM

DEPARTMENT OF CAPITAL IMPROVEMENTS PROJECT OVERVIEW FORM



Previously Approved

	1. DATE:10/25/05
	NAME OF PROJECT: LITTLE HAITI PARK SOCCER FIELD
	INITIATING DEPARTMENT/DIVISION: Parks & Recreation
	INITIATING CONTACT PERSON/CONTACT NUMBER: Cary Sanchez Rea (305) 416-1094 C.I.P. DEPARTMENT CONTACT:
	RESOLUTION NUMBER: CIP/PROJECT NUMBER: 331412
	ADDITIONAL PROJECT NUMBER: B-38500 (IF APPLICABLE)
	2. BUDGETARY INFORMATION: Arc funds budgeted? YES NO If yes,
	TOTAL DOLLAR AMOUNT: \$6,144,199 (25 Million Bond Authorization, 1st Series Allocation \$20 Million
	estimated balance \$174,000)
	SOURCE OF FUNDS: Little Haiti Park Land Acquisition & Development ACCOUNT CODE(S): _CIP # 331412
	If grant funded, is there a City match requirement?
-	Are matching funds Budgeted? YES NO Account Code(s):
	Estimated Operations and Maintenance Budget
	3. SCOPE OF PROJECT:
	Individuals / Departments who provided input:
	DESCRIPTION OF PROJECT: Project scope includes the design and construction of a 12,000 SF recreation
1	ouilding. (2) soccer fields, vitacourse, playground, domino park, picnic areas, open shelters, sports and security
L	ighting, landscape and irrigation systems, 12,000 SF restroom-field house structure.
1	ADA Compliant? YES NO NA
	Approved by Audit Committee? YES NONA DATE APPROVED: 10-18-05
	Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 11-10-05
	Approved by Commission?
	Revisions to Original Scope? YES NO NA DATES: YES NO NA DATES: YES NO NA DATES:
	"ime Approval
١.,	. CONCEPTUAL COST ESTIMATE BREAKDOWN
1	las a conceptual cost estimate been developed based upon the initial established scope? YES NO If yes,
1	DESIGN COST:CONSTRUCTION COST:
	s conceptual estimate within project budget? YES NO
1	f not, have additional funds been identified? XES NO
	ource(s) of additional funds:
//	pproved by Bond Oversight Board? YES NO N/A DATE APPROVED:
1	REVISIONS TO ORIGINAL SCOPE
1	ndividuals / Departments who provided input:
-	
<u>"</u>	istifications for change:
L	Pescription of change:
-	
F	iscal Impact YES NO HOW MUCH?
Н	ave additional funds been identified? YES NO
Se	ource(s) of additional funds:
T	me impact
٨	pproved by Commission?
	pproved by Bond Oversight Board? YES NO N/A DATE APPROVED:
6.	COMMENTS: Project was originally approved at a higher amount (10 Million). Difference will be spent within ttle Haiti Park. Additional spreadsheet will illustrate all bond monies being used for all major park projects.
<u>CI</u>	nurch will be reviewed for possible demolition.
Aı	PPROVAL: DATE: 11-10-05 BOND OVERS GHT BOARD
	BOND OVERGIT BOND

Enclosures: Back-Up Materials XYES NO



PROJECT ANALYSIS FORM Department of Capital Improvements City of Miami

Date Prepared:	3/3/2005
Revised Date;	10/13/2005
Revised Date:	
Revised Date:	,

PROJECT NAME: Little Haiti F	Park			
ADDRESS / LOCATION: 6301 Northeas	ADDRESS / LOCATION: 6301 Northeast 2nd Avenue, Miami, Florida		B-38500	
NET OFFICE:	NET OFFICE:		D5	
CLIENT DEPT: Parks and Recreation		EST. PROJECT COST:	\$6,144,199	
CLIENT CONTACT: Maria Perez	TEL.: (305) 416 - 1253	ALLOCATED FUNDS:	\$6,144,200	
PROJECT MANAGER: Cary Sanchez	-Rea TEL.: (305) 416 - 1094	PROCUREMENT:	Formal Bid	
CONSTR. MANAGER: Cary Sanchez	-Rea TEL.: (305) 416 - 1094	PROJECT TEAM:	Vertical	
INSPECTOR / CEO:	TEL.:			
EST. DESIGN START: 2/25/2005	EST. BID ADV.:	EST. CONSTRUCTION START: 1	/12/2006	
EST. DESIGN END: 10/29/2005 EST. AWARD DATE:		EST. CONSTRUCTION END: 2/11/2007		

	1 ==				
	•		JCTION PHASE	Percentage	
	A.	Des	ign Svcs Outside Consultant Prime Consultant: RDC - Design Build		
		1	Basic Fees:	0.0%	\$0
	ŀ	2	Additional Services:	0.0%	\$0
		_		SUB-TOTAL:	\$0
	В.		ign Svcs CIP		
	İ		In-house Basic Design Fee:	0.0%	\$0
		2	In-house Additional Design Services:	0.0%	\$0
		_		SUB-TOTAL:	\$0
	C	C Production Management Services			·
			Prod. Mgmt. of Outside Consultant by CIP:	0.0%	\$0
	ļ	2	Prod. Mgmt. of Outside Consultant by Industry Partner:	0.0%	\$0
	_			SUB-TOTAL:	\$0
	D	Mis	cellaneous Services		
			Survey: Vendor: TBD		\$10,000
	l		Re-plat: Vendor:		
			Geotechnical Testing: Vendor: TBD		\$10,000
	Ι.		Utility Locations (Soft Digs): Vendor:		
TE	İ	5	Asbestos Survey: Vendor:		
⋖	l ·		Energy / HVAC Calculations: Vendor:		
7		7	Phase I Environmental: Vendor:		\$2,000
ST		8	Phase II Environmental: Vendor:		\$2,000
Ш		9	Structural Testing: Vendor:		
-		10	Archeological Survey: Vendor:		\$2,000
OS		11	Other: Vendor:		
ŭ				SUB-TOTAL:	\$26,000
-	E Special Fees / Assessments:			. 125,000	
EC	1 DERM (Plans review, environmental permits, etc.):			Γ	\$2,000
7	2 Miami-Dade County Water and Sewer Department (Plan review)			\$2,000	
80		3	Florida Department of Environmental Protection (Permits):		\$1,000
ā		4	FDOT (Plans review, inspections, etc.):		<u> </u>
		5	South Florida Water Management District (Permits):		\$1,000
			U.S. Army Corps of Engineers (Plans review, permits):		\$1,000
		7	HRS (Plans review, inspections, etc.):		\$2,000
- 1		8	Other:		\$2,000
ł				SUB-TOTAL:	\$8,000
1					\$8,000
- 1			PRODUCTION	PHASE TOTAL:	\$34,000
Γ	CO	NST	RUCTION PHASE		
	F	Con	struction; JOC Contractor:		
- 1		1	Construction Estimate:		FE 705 0 40
		2	Contingency Allowance:		\$5,725,942
		3	Data & Telecommunication Systems (IT Dept.):	5.1%	\$291,357
I			Fixtures, Furniture and Equipment:		
		4			
		4 5			
		5	WASA System Betterment:		
		5 6	WASA System Betterment: FPL Contribution-in-Aid-of Construction:		
		5	WASA System Betterment:		\$31,892

n....

VALIDATION Pilar Saenz CIP Budget Administrator. Accepted by: Ernest Burkeen Director of the Client Department Copies To: CLIENT DEPARTMENT, ALL CIP SECTION CHIEFS, CIP SENIOR ACCOUNTANT, HDR PROGRAM MANAGER

HD/NIB MOTION 06-6

A MOTION TO APPROVE THE AUDIT COMMITTEE'S RECOMMENDATION TO FUND THE INCREASED ESTIMATED COSTS FOR THE SITES ACQUIRED IN CONNECTION WITH LITTLE HAITI PARK, LHP # 67, 75 & 76.

MOVED:

M. Reyes

SECONDED:

M. Cruz

ABSENT:

L. Cabrera, R. Cayard, L. De Rosa, W. Harvey, J. Manowitz, D.

Marko

Note for the Record: Motion passed by unanimous vote of all Board Members present.

III. <u>NEW BUSINESS</u>:

UPDATES:

1. Little Haiti Park Soccer Field – Recreational Component

Roger Hatton, CIP Department, reported that the department is currently in the permitting process for the drawings and some construction is being done. Asbestos abatement for the church building is being done. The department has obtained demo permits to knock down the building. The City does have the money to complete the soccer fields.

Mary Conway, Director, CIP & Transportation, reported that this is one of the projects that will utilize County GOB monies to supplement the City's bond dollars.

2. Professional Services for Little Haiti Park Cultural Component

Roger Hatton, CIP Department, reported that the design for this project is 90 percent complete, and it is in the permitting process for final comments and approval from the Building and Public Works Departments. The contractor is currently getting bids to provide a guaranteed maximum price for the project.

Eileen Broton requested that the drawings for the cultural component be brought back at the next meeting for review.

Elaine Black requested that a meeting be scheduled for the community to see the latest update in the design of the park.

Mary Conway, Director, CIP & Transportation, reported that she will coordinate with the Commissioner's office to set up a forum for that.

3. Application for the Pan American Seaplane Terminal Historical and Structural Rehabilitation Grant

Robert Ruano, Grants Administrator, reported that the department is on track for the funding. This year, the application scored very well. It ranked third in the state of our 100 applicants. It is 350,000 with a cash match of 395,000. It will replace the façade on this building and will do some structural improvements to the basement of the building.

DEPARTMENT OF CAPITAL IMPROVEMENTS PROJECT OVERVIEW FORM



UPDATE

1. DATE: 10/24/06 DISTRICT: 5
NAME OF PROJECT: <u>LITTLE HAITI PARK CULTURAL CENTER</u>
INITIATING DEPARTMENT/DIVISION: Capital Improvements & Transportation
INITIATING CONTACT PERSON/CONTACT NUMBER: Roger Hatton (305)416-1261 C.I.P. DEPARTMENT CONTACT: Gary Fabrikant 305 416-1224
RESOLUTION NUMBER: CIP/PROJECT NUMBER: _Acct# 331412
ADDITIONAL PROJECT NUMBER: B-30295
(IF APPLICABLE)
2. BUDGETARY INFORMATION: Are funds budgeted? ☐YES ☐NO If yes,
TOTAL DOLLAR AMOUNT: \$13,960,000 (\$6,879,654 from Little Haiti Land Acquisition & Development)
Series I + Various Funding Sources.
SOURCE OF FUNDS: Little Haiti Park Land Acquisition & Development ACCOUNT CODE(S): CIP # 331412
ACCOUNT CODE(5). Cir # 351412
If grant funded, is there a City match requirement? YES NO
AMOUNT: EXPIRATION DATE:
Are matching funds Budgeted? YES NO Account Code(s):
Estimated Operations and Maintenance Budget
3. SCOPE OF PROJECT:
Individuals / Departments who provided input:
DESCRIPTION OF PROJECT: For Construction Management Services with Pirtle Construction Company for
the Little Haiti Park Cultural Center Component. (See Attached Background Information)
ADA Compliant? YES NO N/A
Approved by Audit Committee? YES NO N/A DATE APPROVED:10/18/06
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 10/24/06
Approved by Commission?
Revisions to Original Scope? YES NO (If YES see Item 5 below)
Time Approval
I. CONCEPTUAL COST ESTIMATE BREAKDOWN
Has a conceptual cost estimate been developed based upon the initial established scope? [YES [NO If yes,
DESIGN COST:
CONSTRUCTION COST:
s conceptual estimate within project budget?
ource(s) of additional funds:
Approved by Commission?
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED:
REVISIONS TO ORIGINAL SCOPE
ndividuals / Departments who provided input:
ostifications for change:
escription of change:
escription of change.
iscal Impact YES NO HOW MUCH?
ave additional funds been identified? YES NO
ource(s) of additional funds:
me impact
pproved by Commission? YES NO N/A DATE APPROVED:
pproved by Bond Oversight Board? YES NO N/A DATE APPROVED:
COMMENTS: Numbers Plugged and Stope changed
PPROVAL:
BOND OVERSUGHT BOARD
Frederives: Rock Un Marriale MARCONO
Enclosures: Back-Up Materials XYES NO

**

AGENDA ITEM SUMMARY FORM

	X 4-1111 300 XX	: 06-0122 R	
Date: <u>8/15/2006</u>		Requesting Department:	G CIT Bepalmant
Commission Meeti	ng Date: <u>11</u> /9/06	District(s) Impacted:	□1 □2 □3 □4 ⊠5
Type: 🛛 Resolution	on Dordinance [Emergency Ordinance Di	scussion Item Dother
	to approve Amendn the Little Haiti Park	nent No. 1 to the Agreement with Cultural Center.	n Pirtle Construction Company
Purpose of Item:			
Risk Agreement" w Company for continuation Project No. B-3029	vith James B. Pirtle C nued construction ma 5. The amendment v	the Amendment No. 1 to the exist Construction Company, Inc., d/b/anagement services for the Little will authorize continued work and not to exceed \$13,960,000.	a Pirtle Construction Haiti Park Cultural Center,
Background Inforn	nation:		
Construction Comp Park Cultural Cente construction service construction service Stage II at the appro- construction service	any for the provision or in an amount not to so and \$5,000,000 as so. The resolution fur priate time and returns has been negotiated	a Construction Manager at Risk and of construction management ser to exceed \$5,060,000 consisiting a Guaranteed Maximum Price ("ther authorized the City Manager of the Commission for approvation and the commission for sport of \$8 tage II and the related increase in	vices for the "Little Haiti of \$60,000 for pre- GMP") for Stage I of to negotiate a GMP for al. The GMP for Stage II 8,900,000. This amendment
		udget Impact Analysis	FY 06: 5,693,319 FY 07: 1,183,681
	related to revenue?	?	FY 07: 1,183,681 AND 2,023,000
YES Is this item General Special CIP Pro	related to revenue? an expenditure? If al Account No: l Revenue Account N oject No:	so, please identify funding sour	FY 07: 1,183,681 AND 2,023,000 rce below.
YES Is this item General Special CIP Pro YES Is this item Start Up Capital Cost Maintenance Cost: Total Fiscal Impact:	related to revenue? an expenditure? If al Account No: l Revenue Account No oject No: funded by Homelan et: \$8,900,000 PPROVAL:	so, please identify funding sour No: B-30295 nd Defense/Neighborhood Impr	FY 07: 1,183,681 AND 2,023,000 rce below.
YES Is this item General Special CIP Properties YES Is this item Start Up Capital Cost Maintenance Cost: Total Fiscal Impact: C.I.P.A. CIP If using or receiving capital to	related to revenue? an expenditure? If al Account No: l Revenue Account No oject No: funded by Homelan et: \$8,900,000 PPROVAL:	so, please identify funding sour No: B-30295 Ind Defense/Neighborhood Improvals (SIGN AND DATE) Budget	FY 07: 1,183,681 AND 2,023,000 rce below.
YES Is this item General Special CIP Properties YES Is this item Start Up Capital Cost Maintenance Cost: Total Fiscal Impact: C.I.P.A. CIP If using or receiving capital to Grants	related to revenue? an expenditure? If al Account No: l Revenue Account N roject No: funded by Homelan st: \$8,900,000 PPROVAL: S S C Only Date N/A	so, please identify funding sour No: B-30295 nd Defense/Neighborhood Improvals (SIGN AND DATE) Budget (Expression of the content of the	FY 07: 1,183,681 AND 2,023,000 rce below.
YES Is this item General Special CIP Properties YES Is this item Start Up Capital Cost Maintenance Cost: Total Fiscal Impact: C.I.P.A. CIP If using or receiving Capital Grants Purchasing	related to revenue? an expenditure? If al Account No: l Revenue Account No oject No: funded by Homelan et: \$8,900,000 PPROVAL:	so, please identify funding sour No: B-30295 Ind Defense/Neighborhood Improvals (SIGN AND DATE) Budget (E) Risk Management Dept. Director	FY 07: 1,183,681 AND 2,023,000 rce below.
YES Is this item General Special CIP Properties YES Is this item Start Up Capital Cost Maintenance Cost: Total Fiscal Impact: C.I.P.A. CIP If using or receiving capital to Grants	related to revenue? an expenditure? If al Account No: l Revenue Account N roject No: funded by Homelan st: \$8,900,000 PPROVAL: S S C Only Date N/A	so, please identify funding sour No: B-30295 nd Defense/Neighborhood Improvals (SIGN AND DATE) Budget (Expression of the content of the	FY 07: 1,183,681 AND 2,023,000 rce below.

Project Manager: Roger Hatton

DEPARTMENT OF CAPITAL IMPROVEMENTS PROJECT OVERVIEW FORM



UPDATE

BUILD CONTRACT INITIATING DEPARTMENT / DIVISION: INITIATING CONTACT PRESON/CONTACT NUMBER: Cary Sanch Peres (305) 416-1094	1. DATE: 3/22/05	DISTRICT: 1	
INITIATING DEPARTMENT / DIVISION: INITIATING CONTACT PERSON / CONTACT NUMBER: Cary Sanch tz-Res (305) 416-1094	NAME OF PROJECT: GRAPI	ELAND HEIGHTS PARK BALLF ELD COMPLEX DE	SIGN
INITIATING CONTACT PERSON/CONTACT NUMBER: CLP, DEPARTMENT CONTACT: Capital Improgramments RESOLUTION NUMBER: CLP, DEPARTMENT CONTACT: Capital Improgramments RESOLUTION NUMBER: CLP/PROJECT NUMBER: CLP/PROJEC	= <u></u>		20201
RESOLUTION NUMBER:	INITIATING DEPARTMENT/I	DIVISION:	
RESOLUTION NUMBER:	CIP DEPARTMENT CONTACT	ON/CONTACT NUMBER: Cary Sanch 2z-Rea (305) 416-1094	
BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes,		. <u>Capital Improvements</u>	
2. BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes, TOTAL DOLLAR AMOUNT: 16,000,000 SOURCE OF FUNDS: Neighborhood Park and Acquisitions & District 1-Qual ty of Life improvements ACCOUNT CODE(S): CIP # 331419 & 311711 If grant funded, is there a City match requirement? YES NO NAMOUNT: No NAMOUNT: SEXPIRATION DATE: Are matching funds Budgeted? YES NO Account Code(s): Estimated Operations and Maintenance Budget 3. SCOPE OF PROJECT: Lauthorize the City Manager to execute the n gotiated Design-Build contract with Recreation Design and Construction. Inc. for the Grapeland Heights Park B Iffield Complex, B-60496 in the total amount of \$16,000,000. ADA Compliant? YES NO N/A NATE APPROVED: 3/15/05 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 3/22/05 Approved by Gommission? YES NO N/A DATE APPROVED: 2/15/05 NO N/A DATE APPROVED: Community Mtg/Dist Commissionet Approval? YES NO N/A DATE APPROVED: Community Mtg/Dist Commissionet Approval? YES NO N/A DATE APPROVED: Community Mtg/Dist Commissionet Approval? YES NO N/A DATE APPROVED: Community Mtg/Dist Commissionet Approval? YES NO N/A DATE APPROVED: Community Mtg/Dist Cost Strimate been developed based upon the initial established scope? YES NO If yes, DESIGN COST: Construct of a diditional funds. Seconceptual cost estimate been developed based upon the initial established scope? YES NO If yes, DESIGN COST: Construct(s) of additional funds. YES NO N/A DATE APPROVED: Approved by Commission? YES NO N/A DATE APPROVED: Seconceptual estimate within project budget? YES NO N/A DATE APPROVED: Seconceptual estimate within project budget? YES NO N/A DATE APPROVED: Seconceptual estimate within project budget? YES NO N/A DATE APPROVED: Seconceptual estimate within project budget? YES NO N/A DATE APPROVED: Seconceptual estimate within project budget? YES NO N/A DATE A	ADDITIONAL PROJECT NUMBER	CIP/PROJECT NUMBER:	
2. BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes, TOTAL DOLLAR AMOUNT: \$6.000.000 SOURCE OF FUNDS: Neighborhood Park and Acquisitions & District 1-Qual ty of Life Improvements ACCOUNT CODE(S):			
SOURCE OF FONDES: Naighborhood Park and Acquisitions & District 1-Qual ty of Life Improvements ACCOUNT CODE(s):CIP # 331419 & 311711 If grant funded, is there a City match requirement?YESNO	2. BUDGETARY INFORMATION		
SOURCE OF FUNDS: Neighborhood Park and Acquisitions & District 1-Qual ty of Life Improvements	TIVIAL DOLLAR AMOUNT: KAN	100 000	
If grant funded, is there a City match requirement? YES NO AMOUNT: EXPIRATION DATE: Are matching funds Budgeted? YES NO Account Code(s): Estimated Operations and Maintenance Budget 3. SCOPE OF PROJECT: Individuals / Departments who provided input DESCRIPTION OF PROJECT: To authorize the City Manager to execute the n gotiated Design-Build contract with Recreasion Design and Construction. Inc. for the Grapeland Heights Park B Iffeld Complex, B-60496 in the total amount of \$6,000.000. ADA Compliant? YES NO N/A Approved by Audit Committee? YES NO N/A DATE APPROVED: \$1/15/05 Approved by Audit Commissioner Approval? YES NO N/A DATE APPROVED: \$2/22/05 Approved by Commissioner Approval? YES NO N/A DATE APPROVED: Community Mg/Dist Commissioner Approval? YES NO N/A DATE APPROVED: Time Approval 6 months 12 months Date for next Oversight Board Update: 4. CONCEPTUAL COST ESTIMATE BREAKDOWN Has a conceptual estimate similar been developed based upon the initial established !cope? YES NO If yes, DESIGN COST: CONSTRUCTION COST: Is conceptual estimate within project budget? YES NO N/A DATE APPROVED: Approved by Commission? YES NO N/A DATE APPROVED: Approved by Commission? YES NO N/A DATE APPROVED: Approved by Commission? YES NO N/A DATE APPROVED: 5. REVISIONS TO ORIGINAL SCOPE Individuals / Departments who provided input: usutifications for change: Description of change:	SOURCE OF FUNDS: Neighborho	od Park and Acquisitions & District 1 O. 1 - CT C.	
If grant funded, is there a City match requirement? YES	ACCOUNT CODE(S): CIP # 331	419 & 311711	
AMOUNT: EXPIRATION DATE: Stimated Operations and Maintenance Budget 3. SCOPE OF PROJECT: To authorize the City Manager to execute the n gotiated Design-Build contract with Recreation Design and Construction. Inc. for the Grapeland Heights Park B Illield Complex. B-60496 in the total amount of \$6.000,000. ADA Compliant? YES NO N/A Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 3/15/05 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 3/22/05 Approved by Commission? YES NO N/A DATE APPROVED: 3/22/05 Approved by Commission of Strip of the Grapeland Heights Park B Illield Complex. B-60496 in the total amount of \$6.000,000. ADA Compliant? YES NO N/A DATE APPROVED: 3/15/05 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 3/22/05 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 3/22/05 Approved by Commission? Date for next Oversight Board Update: 4. CONCEPTUAL COST ESTIMATE BREAKDOWN Has a conceptual cost estimate been developed based upon the initial established icope? YES NO If yes, CONSTRUCTION COST: Is conceptual estimate within project budget? YES NO Source(s) of additional funds been identified? YES NO Source(s) of additional funds been identified? YES NO N/A DATE APPROVED: Approved by Commission? YES NO N/A DATE APPROVED: Approved by Commission? YES NO N/A DATE APPROVED: Individuals / Departments who provided input: Usustifications for change: Description of change: Description of change: Provokal Description Source(s) of additional funds: Ime impact Improved by Commission? YES NO N/A DATE APPROVED: Approved by Commission? YES NO N/A DATE APPROVED: COMMENTS: PPROVAL Description Source(s) of additional funds: DATE: 3/22/05 BOND OVERSIGHT BOARD			
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· Initial Grant to Miami Art Museum for Development of a Fine Arts Museum Facility in Bicentennial Park.

TOTAL DOLLAR AMOUNT: \$700,000

SOURCE OF FUNDS: CIP#333144-Miami Art Museum

DESCRIPTION OF PROJECT: For planning, development and project management activities

relating to the construction of Miami Art Museum to be located at Bicentennial Park.

HD/NIB MOTION 05-19

A MOTION TO APPROVE THE AUDIT COMMITTEE'S RECOMMENDATION TO FUND THE INITIAL GRANT TO MIAMI ART MUSEUM FOR DEVELOPMENT OF A FINE ARTS MUSEUM FACILITY AT BICENTENNIAL PARK.

MOVED:

M. CRUZ

SECONDED:

L. CABRERA

ABSENT:

R. Aedo, R. Cayard, L. De Rosa, R. Flanders, D. Marko, G.

Reshefsky.

Note for the Record: Motion passed by unanimous vote of all Board Members

present.

 Grapeland Heights Park Ballfield Complex - Design Build Contract.

TOTAL DOLLAR AMOUNT: \$6,000,000

SOURCE OF FUNDS: Neighborhood Park and Acquisitions & District 1-Quality of Life **Improvements**

DESCRIPTION OF PROJECT: To authorize the City Manager to execute the negotiated Design-Build contract with Recreation Design and Construction, Inc. for the Grapeland Heights Park Ballfield Complex, B-60496 in the total amount of \$6,000,000.

HD/NIB MOTION 05-20

A MOTION TO APPROVE THE AUDIT COMMITTEE'S RECOMMENDATION TO FUND THE GRAPELAND HEIGHTS PARK BALLFIELD COMPLEX - DESIGN BUILD CONTRACT.

MOVED:

M. CRUZ

SECONDED:

L. CABRERA

ABSENT:

R. Aedo, R. Cayard, L. De Rosa, R. Flanders, D. Marko, G.

Reshefsky.

Note for the Record: Motion passed by unanimous vote of all Board Members

present.

5. Grapeland Heights Park Ballfield Complex Design Build Contract

Cary Sanchez-Rea, CIP Department, reported that construction has begun. Negotiations are being finalized with the firms that will be doing the environmental remediation. Under Phase I, the entire project design was encompassed. To incorporate Homeland Defense funding, the project was broken up into phases. Phase I also included the construction of the tournament fields, the center pavilion, and the press box.

Mary Conway, CIP Department, reported that Grapeland is at the stage where the design of the entire park is well underway, nearing completion. The ball field portion is under construction. At the last City Commission meeting, approval was received for the contamination remediation. We are currently in the process of finalizing all of the necessary remediation requirements through DERM. The low bid was taken before the Commission, and it was approved last Thursday, and this project will also require County GOB funds to be fully completed. An item will be brought before the City Commission for the construction of the water park portion of this park, and then the community center will be put out for competitive bidding, and that will be brought before the City Commission next year.

Cary Sanchez-Rea, CIP Department, reported that the ball field will be open 14 to 16 months from now. After the ball fields are completed, next will be the water park and associated parking and landscaping, and the basketball court, and then the recreation community center. The entire park will be open in less than four years.

6. Shenandoah Park Improvements Phase I

Rolando Aedo reported that Phase I is in construction. The contractor has completed parking striping, replaced the tennis court, and is starting on the drainage system. The project is 90 percent complete.

7. Sewell Park Restrooms/Park Facility Building

Rolando Aedo reported that the City is currently obtaining the permit and revising the drawings with comments from the Building Department, and they anticipate getting final permit in October.

Mary Conway, CIP Department, reported that the project is being priced at this time.

8. Juan Pablo Duarte Park Building Renovation/Expansion

Rolando Aedo reported that the client asked to change the scope of work based on feedback. The estimated construction time frame is six months.

9. Robert King High Park New Building and Site Improvements

Rolando Aedo reported that the permitting, drawing, and pricing are being accomplished through the JOC process, and the anticipated completion date is October 2006.

the project unless there's a possibility that the County may want to continue with the parcel B portion of the seawall.

Jose Ortega, CIP Department, reported that phase III is scheduled to start within the first two weeks of June. Punch list items on phase II are presently being wrapped up. As soon as all of the issues regarding phase I and phase II are complete, phase III will begin, approximately mid-June.

6. Henry Reeves Park Community Building Improvements

Roger Hatton, CIP Department, reported that the scope of work is interior frames, windows, doors, interior finishes, acoustic ceilings, and lighting. The project is 90 percent complete. It is scheduled for completion mid-June, so it is currently on schedule. The CIP Department is currently working with the Communications Department to schedule the ribbon-cutting for the facility.

7. Miami Police Department Stables

Jim Brittain, Transportation Department, reported that the police horse stables are scheduled for completion in late July. The project is approximately 65 percent complete and it is currently within budget.

8. Professional Services for Jose Marti Gym.

Roger Hatton, CIP Department, reported that the project is 90 percent design complete. The plans are in the Building Department and in the permitting process. The design comments are expected to be back by the end of July. The construction is anticipated to begin October 1. The designer on the project is Zyscovich.

9. Grapeland Heights Park Ballfield Complex Design Build Contract

Roger Hatton, CIP Department, reported that the design build contractor is RDC, Recreational Design & Construction. Remediation work is currently being done. This phase is expected to be completed within 30 days. The plans for this phase are currently in permitting. Permits are anticipated for mid-June.

Luis Cabrera suggested that the Commissioner's office and the community should be more involved with the project before the department moves forward with more recommendations for the park.

Mary Conway, Director, CIP & Transportation, stated that the City does not feel that there is an issue. The issue of the size of the ball fields has nothing to do with anything but the physical size of the park. For there to be fields larger than what are proposed right now, you would not be able to accommodate the required parking on the site or the planned community center and water park. The City's already made a decision that it's more desirable to have four smaller fields than only two large fields because they will serve a broader number of people, and there are other larger fields in other City parks.

In response to Gary Reshefsky's inquiry concerning the park's timeline, Mr. Hatton stated that the time frames given by Cary Sanchez-Rea at a previous meeting are within reason, but the remediation pushed the scheduled forward for a longer time frame, but the four year completion date is accurate.

In response to Gary Reshefsky's inquiry concerning the park's timeline Ms. Conway stated that the timelines were given prior to the discovery of incinerator ash and contaminants and the coordination with DERM. These events impacted the schedule by six months. Now that building permits will be obtained within a week and be able to start, RDC is ready to have as many people out there as possible to have the ball fields open as close to the end of this calendar year, beginning of the next calendar year as possible.

Mr. Hatton reported that building permits have been submitted for phase II of this project.

10. Sewell Park Restrooms/Park Facility Building

Marcel Douge, CIP Department, reported that the project design is 100 percent complete. Construction is anticipated to start in September 2006, with construction completion by July 2007.

Mary Conway, Director, CIP & Transportation, stated that this one of a handful of projects that came in above the specified budget and the Department had to go through a value engineering exercise and make some design modifications and re-permit the project before starting, so there was an impact of several months to the schedule, but the project should be underway by September, if not sooner.

11. Juan Pablo Duarte Building Renovation/Expansion

Marcel Douge, CIP Department, reported that the project design is 90 percent complete. Construction is anticipated to start in September 2006, with construction completion by June 2007. The scope of the project includes a 1,000 square foot addition with new office space and storage room, and also a new A/C system for the building.

12. Fire Station No.11

Marcel Douge, CIP Department, reported that the project design is 20 percent complete. Completion on the design and permitting is anticipated for April 2007. Construction is anticipated to start by June 2007, with completion of construction by June 2008. The address of the project is 5920 West Flagler Street.

13. Margaret Pace Park Improvements Phase II

Jose Ortega, CIP Department, reported that the project is scheduled to begin May 30, 2006. The preconstruction meeting was held Thursday of last week. The NTP will probably be issued tomorrow based on some findings that the contractor has. The estimated cost is approximately \$2 million. It's 1,145 linear feet of shoreline stabilization. The park improvement area, the playground area, has already been constructed, and it's basically just the shoreline stabilization.

- 14. Robert King High Park New Building and Site Improvements AND
 - 15. Robert King High Park Soccer Field

Gary Fabrikant, CIP Department, reported that the soccer field's estimated construction cost is \$1.9 million. The scope of work includes the construction of the new soccer field, restroom facilities, parking lot, and irrigation system related work. The design is 50 percent complete. The other project for the park is for an estimated value of \$1.7 million and includes the

9. Miami Police Department Stables

Jim Brittain, CIP Department, reported that the horses were moved in in October. The police have been getting it up-to-date. The contractor is currently working through his punch list, and the police have planned some kind of festivities for the 19th of December.

10. Margaret Pace Park Improvements Phase II

Ed Herald, CIP Department, reported that the project is substantially complete as of this moment and punch list items are being addressed. The project will be ready to close out within the next 30 days on schedule and under budget.

11. Grapeland Heights Park Ballfield Complex- Design Built Contract

Ed Herald, CIP Department, reported that all the environmental remediation has been addressed and was completed in May. Phase I construction is approximately 50 percent complete. The majority of the grading has been done for the ball fields, and the press box and concession building are about 50 percent complete. Phase I is going to be completed ahead of schedule, in consideration of the environmental remediation. The project is now scheduled to be completed in January as opposed to the contractual date of March.

12. Juan Pablo Duarte- Building Renovations/Expansion

Marcel Douge, CIP Department, reported that the design is quasi-completed. The final dry run should be obtained by the beginning of next month, and it should be ready for construction as soon as the funds are in place.

13. Robert King High- New Building and Site Improvements

Marcel Douge, CIP Department, reported that the project was on hold for a while because of the Cuban museum and it is being restarted now because the hold has been removed. The Department is negotiating with the architect now to restart the project and address the final comments from the Building Department so the dry run can be approved and move into construction after that. The design is approximately 95 percent completed.

14. Robert King High- Soccer Field

Marcel Douge, CIP Department, reported that the soccer field was also on hold for a while due to the Cuban museum. There were some issues on relocating that field due to some palm trees that cannot be disturbed, so the Department is currently in negotiations with the architect to redesign the soccer field at another location in the park.

15. Bicentennial Park Shoreline Stabilization Phase III (Design Phase)

Marcel Douge, CIP Department, reported that the design is completed. Construction will be ready to begin in December 2006. The Department is awaiting some final papers.

Gary Fabrikant, CIP Department, stated that the Department delayed the start of Phase III for several reasons, and the basic reason is there is a crisis within the insurance industry, so we had to deal with a number of issues. A conscious decision was made to delay the start of the project until after the end of the hurricane season. The reason for this is that builder's risk insurance goes down substantially after the season. The other issue has been trying to negotiate with this and several projects ways to mitigate the costs for builder's risk insurance, so the Department is

DEPARTMENT OF CAPITAL IMPROVEMENTS PROJECT OVERVIEW FORM

PROJECT

UPDATE

	Γ:3
NAME OF PROJECT: JOSE MARTI PARK GYM	
INITIATING DEPARTMENT/DIVISION: <u>Capital Improvements & Transportation</u> INITIATING CONTACT PERSON/CONTACT NUMBER: <u>Roger Hatton</u> (305)416-1	261
C.I.P. DEPARTMENT CONTACT: Gary Fabrikant (305) 416-1224	<u> 201</u>
RESOLUTION NUMBER: CIP/PROJECT NUMBER: Acct# 333412 &	c 331419
ADDITIONAL PROJECT NUMBER: B-35857	
(IF APPLICABLE)	
2. BUDGETARY INFORMATION: Are funds budgeted? XYES NO If yes	
TOTAL DOLLAR AMOUNT: \$10,440,000 (\$5,244,740 is from Jose Marti/East Little Hava	ina Park
Expansion & Neighborhood Park Improvements) Series I + Various Funding Sources. SOURCE OF FUNDS: lose Marti/East Little Havana Park Expansion & Neighborhood Park	Improvements
ACCOUNT CODE(S): _CIP # 333412 & 331419	improvements
	•
If grant funded, is there a City match requirement? YES NO	
AMOUNT: EXPIRATION DATE: Are matching funds Budgeted? YES NO Account Code(s):	
Estimated Operations and Maintenance Budget	· · · · · ·
<u>-</u>	
3. SCOPE OF PROJECT: Individuals / Departments who provided input:	
DESCRIPTION OF PROJECT: <u>For Construction Management Services with Pirtle Construction</u>	ion Company for
the Jose Marti Gymnasium Project. (See Attached Background Information)	
ADA Compliant? YES NO N/A	
Annual by Audit Committee MVES TING TIN/A DATE Approved.	10/10/06
Approved by Audit Committee? YES NO N/A DATE APPROVED: Approved by Bond Oversight Board? YES NO N/A DATE APPROVED:	
Approved by Commission? YES NO N/A DATE APPROVED:	
Revisions to Original Scope? YES NO (If YES see Item 5 below)	
Time Approval 6 months 12 months Date for next Oversight Board Update:	
4. CONCEPTUAL COST ESTIMATE BREAKDOWN	
Has a conceptual cost estimate been developed based upon the initial established scope? YES	□ NO If you
DESIGN COST:	NO II yes,
CONSTRUCTION COST:	
s conceptual estimate within project budget? YES NO	
If not, have additional funds been identified? YES NO	
Source(s) of additional funds:	
Approved by Commission? YES NO N/A DATE APPROVED:	
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: _	····
REVISIONS TO ORIGINAL SCOPE	
ndividuals / Departments who provided input:	
ustifications for change:	
Description of change:	
Fiscal Impact YES NO HOW MUCH?	
lave additional funds been identified? [YES] NO ource(s) of additional funds:	
outce(s) of additional funds.	
ime impact	
pproved by Commission? YES NO N/A DATE APPROVED:	
pproved by Bond Oversight Board? XES NO NO NA DATE APPROVED:	
COMMENTS: Recommended but must not esceed \$10,440 Million	
PPROVAL: DATE: 10/24/06 BOND OVERSIGN BOARD	 ·
Enclosures: Back-Up Materials	X YES NO

AGENDA ITEM SUMMARY FORM

FILE ID: 06-01554

				glave.
Section of the second	*	蠹	No.	A Para

Project Manager: Roger Hatton

0.10	
Date: 8/14/2006	Requesting Department: CIT Department
Commission Meeting Date: $11/6$	7101 FULL TO SEE A CO.
Type: Resolution Ordinar	
Subject: Resolution to approve An Company for the Jose Marti Gymn	nendment No. 1 to the existing contract with Pirtle Construction asium Project No. B-35857.
Purpose of Item:	
Construction Company, for contin Gymnasium Project No. B-35857.	execute Amendment No. 1 to the existing "Construction Manager at with James B. Pirtle Construction Company, Inc., DBA Pirtle used construction management services for the Jose Marti The amendment will authorize continued work and increase the total contract amount not to exceed \$10,440,000.
Background Information:	
Gymnasium" in an amount not to e services and \$4,000,000 as a Guara services. The resolution further authappropriate time and return to the C services has been negotiated as \$6,3	ceute a Construction Manager at Risk contract with Pirtle vision of construction management services for the "Jose Marti exceed \$4,060,000 consisting of \$60,000 for pre-construction inteed Maximum Price ("GMP") for Stage I of construction morized the City Manager to negotiate a GMP for Stage II at the commission for approval. The GMP for Stage II construction in 880,000 increasing the value from \$4,060,000 to an amount not diment authorizes acceptance of the GMP for Stage II and the
	Budget Impact Analysis FY 06: 4,333,300
General Account No: Special Revenue Accor CIP Project No:	nue? e? If so, please identify funding source below.
Start Up Capital Cost: Maintenance Cost: Total Fiscal Impact: \$6,380	
C.I.P APPROVAL: CIP If using or receiving Signature Date Grants	Final Approvals (SIGN AND DATE) Budget W Winner Bull 19/106 Risk Management
Purchasing N/A	Dept. Director
Chief Many Command	City Manager
	Page 1 of 1

DEPARTMENT OF CAPITAL IMPROVEMENTS PROJECT OVERVIEW FORM



UPDATE

NAME OF PROJECT: POPERTO OF	DISTRICT: 2
INITIATING CONTACT PERSON	EMENTE PARK BUILDING RENOVATION
C.I.P. DEPARTMENT CONTACT:	Edgar Munoz (305) 416-1275
	CIP/PPOIECT ATTUMENTS AND ADDRESS OF THE PROPERTY OF THE PROPE
ADDITIONAL PROJECT NUMBER:	B-30172
2 PUDGETARY	CE APPLICABLE
2. BUDGETARY INFORMATION: A	re funds budgeted? YES NO If yes,
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 Million Allogated and a 11 to appear and
SOURCE OF FUNDS: Neighborhood Pa ACCOUNT CODE(S): CIP # 331419	rk Improvements
On # 551419	
If grant funded, is there a City match require	ement? YES NO
AMOUNT:E	XPIRATION DATE:
Are matching funds Budgeted? YES	NO Account Code(s):
Estimated Operations and Maintenance Buc	ement? YES NO XPIRATION DATE: NO Account Code(s): Iget
3. SCOPE OF PROJECT:	
Individuals / Departments who provided in	out:
metal configuration of PROJECT: Project so	ope includes removal/replacement of existing shingle roofing with new
and disposed of all light Granes INIA C	ope includes removal/replacement of existing shingle roofing with new and supports. Demolition/replacement of ceiling including removal a diffusion regions.
(trusses) damage by termite infestation and	and supports. Demolition/replacement of ceiling including removal s. diffuser, registers. Repair/replacement of all roof structure members
(Continuation of scope attached)	s, diffuser, registers. Repair/replacement of all roof structure members of thing. Removal of existing painted surfaces and re-painting.
L	
ADA Compliant? YES NO N/	A
Approved by Audit Committee?	YES NO N/A DATE APPROVED: 7/19/05
	YES NO CINIA DATE APPROVED: 7/19/05
Approved by Commission?	YES NO N/A DATE APPROVED: 7/26/05
Community Mtg/Dist. Commissioner Appro	YES NO NA DATE APPROVED:
Time Approval 6 months 12 months	Date for next Oversight Board Update:
4. CONCEPTUAL COST ESTIMATE BI	Date for next Oversight Board Update:
Has a concentral cost estimate been developed	REAKDOWN
DESIGN COST:	d based upon the initial established scope? \(\subseteq \text{YES} \subseteq \text{NO} \) If yes,
CONSTRUCTION COST:	
Is conceptual estimate within project budget?	YES NO
It not, have additional funds been identified?	YES NO
Source(s) of additional funds:	
Approved by Commission?	Ima File.
A	YES NO NA DATE APPROVED:
	YES NO N/A DATE APPROVED:
5. REVISIONS TO ORIGINAL SCOPE	
Individuals / Departments who provided inpu	t:
Justifications for change:	
Justifications for change:	
Description of change:	
Fiscal Impact	YES NO HOW MUCH?
Have additional funds been identified?	YES NO
Source(s) of additional funds:	
Time impact	
A - 11 C	TO []
Approved L. D. 10	TES NO NA DATE APPROVED:
TI J - ond O (claight boatd)	ES NO NA DATE APPROVED:
6. COMMENTS:	
$A \vdash A \rightarrow A$	
APPROVAL: AND AND AND AND AND AND AND AND AND AND	/
BOND OVERSIGHT BOARD	DATE:7/26/05
BOAKL	

Enclosures: Back-Up Materials 🛛 YES 🔲 NO



PROJECT ANALYSIS FORM

Department of Capital Improvements City of Miami

Date Prepared:	1/11/2005
Revised Date:	2/3/2005
Revised Date:	3/18/2005
Revised Date:	7/20/2005

PROJECT NAME: ROBERTO	O CLEMENTE PARK BUILDING REN	OVATION	·····
ADDRESS / LOCATION: 101 NW 34		PROJECT No.:	B-30172
NET OFFICE: Wynwood /	Edgewater	DISTRICT:	D2
CLIENT DEPT: Parks and F	Recreation	EST. PROJECT COST:	\$810,000
CLIENT CONTACT: Maria Perez	z TEL.: (305) 416-1314	ALLOCATED FUNDS:	\$810,000
PROJECT MANAGER: Edgar Mund	DZ TEL.: (305) 416-1275	PROCUREMENT:	JOC
CONSTR. MANAGER:	TEL.:	PROJECT TEAM:	Vertical
INSPECTOR / CEO:	TEL.:		
EST. DESIGN START: 2/22/2005	EST. BID ADV.:	EST. CONSTRUCTION START: 8/1	5/2005
EST. DESIGN END: 6/15/2005	EST. AWARD DATE:	EST. CONSTRUCTION END: 4/1	2/2006

PF	ROD	JCTION PHASE		Percentage	
1			ultant: Rizo, Carreno & Partners	reicentage	
		Basic Fees:	Trizo, Carrerio di Partiera	 11.7%	\$ 60.7
		Additional Services:		2.0%	\$69,7 \$11,8
		-		SUB-TOTAL:	\$81,6
В.	Des	ign Svcs CIP	•	000-101AL	401,0
	1	In-house Basic Design Fee:			
	2	In-house Additional Design Services:			
				SUB-TOTAL:	
C	Pro	duction Management Services			
	-1	Prod. Mgmt. of Outside Consultant by CIP:		2.0%	\$11,9
	2	Prod. Mgmt. of Outside Consultant by Industry P	artner:		'
				SUB-TOTAL:	\$11,9
D	Mis	cellaneous Services			
	1	Survey: ve	endor:		
	2	Re-plat: Ve	ndor:		
			ndor:		
			ndor:		
		**	ndor:		
	6	Energy / HVAC Calculations: Ve	ndor:		
			ndor:		
			ndor:		
			ndor: Rizo, Carreno & Partners		\$7,2
			ndor:		
	11	Other: Ve	ndor: Reimbursable Expenses		\$2,50
_	S-0-	cial Fees / Assessments:		SUB-TOTAL:	\$9,70
_		DERM (Plans review, environmental permits, etc.	.): Fee Waiver		•
		Miami-Dade County Water and Sewer Departme			
		Florida Department of Environmental Protection			
		FDOT (Plans review, inspections, etc.):	r ennits).		
		South Florida Water Management District (Permi	te)·		
		U.S. Army Corps of Engineers (Plans review, per			
		HRS (Plans review, inspections, etc.):	ilino).		
	8	Other:			
				SUB-TOTAL:	
- :			PRODUCTION F	PHASE TOTAL:	\$103,21
CO	NST	RUCTION PHASE '			
		to se		(m.12) _221	
F	Cons	struction: JOC Contra	ctor:		
	1	Construction Estimate:			\$595,00
	2	Contingency Allowance:		10.0%	\$59,50
		Data & Telecommunication Systems (IT Dept.):			
	4	Fixtures, Furniture and Equipment:			
	5	WASA System Betterment:			
		FPL Contribution-in-Aid-of Construction:			
	7	Other:			

	G	City and other Gov't Agencies Permit Fees			
	1	1 City of Miami Permits: Bldg. De	ot. I	Public Works	
	l	2 Miami-Dade County Impact Fees:	<u> </u>	Tubilo Yorks 1	· · · · · · · · · · · · · · · · · · ·
		3 Miami-Dade County Archeological Monitorin	 a:		
	l ·	4 Other:	<u></u>		\$1,709
				SUB-TOTAL:	\$1,709
ш				CONSTRUCTION PHASE TOTAL:	\$656,209
-	CC	DISTRUCTION ADMINISTRATION			
¥ A	н	Construction Inspection Services - CIP:		4.0%	\$23,800
1	1	Construction Mgmt Industry Partner:			
S	j	Construction Engineering Observer (CEO) - Indus	try Par	tner .	
ш	к	JOC Administration		1.5%	\$8,925
057				CONSTRUCTION ADMINISTRATION TOTAL:	\$32,725
cr c	AD	DMINISTRATIVE EXPENSES			
Щ	L	CIP Dept. (Mgmt./Budget/Procurement/Comm.):		3.0%	\$17,850
S	м	Industry Partner Program Mgmt. Support:			
a a				ADMINISTRATIVE EXPENSES TOTAL:	\$17,850
	LA	ND ACQUISITION EXPENSES			
	N	Land Cost:			
	0	Transaction Costs:			
			•	LAND ACQUISITION TOTAL:	
		GRAN	D TO	TAL - ESTIMATED PROJECT COST:	\$810,000

The area of the Building is around 8,000 square feet.

- 1) Removal/replacement of existing shingle roofing with new metal roofing with new decking/sheathing and supports.
- 2) Demolition/replacement of ceiling including removal and disposal of all light fixtures, HVAC vents, diffuser, registers.
- 3) Repair/replacement of all roof structure members (trusses) damagerfor by termite infestation and rotting.
- 4) Removal of existing Painted surfaces and re-painting.
- 5) Removal/replacement of designated flooring and exposed slab floor with like or new types of floor finishes.
- Removal/replacement in restrooms of tile, plumbing fixtures, partitions, accessories and finishes in reconfigured spaces
- Removal/replacement of all damaged or non-code compliant doors and frames and provide a master key system.
- Provide new ADA compliant components within the facility including new signage, hardware, grab bars, partitions, thresholds, ramps, drinking fountains, fixtures and equipment.
 - 9) New partial metal roof canopies at exterior door entrances similar to the new standing metal roof assembly.
 - 10) Repair, re-finishing and reconstitution of the Verandah trellis installation. This extends to repair/refinishing the immediate steel picket fence and gate enclosures at the South, East and West sides of the Building.

Renovation work will be done depending on the outcome of the roof structure evaluation and actual extent of cost for repairs. This project combines B-30172 and B-60477 Roberto Clemente Park Building Improvements NOTE

			Fiscal Year Avaitable	
ES	Fund: Homeland Defense Fund	CIP#	331419 Amount:	\$810,000
A C	Fund:	CIP#	Amount:	
0 0 1	Fund:	CIP#	Amount:	
S	Fund:	CIP#	. Amount:	
9	Fund:	CIP#	Amount:	
UN	Fund:	CIP#	Amount:	
"			TOTAL ALLOCATED AMOUNT:	\$810,000

	Project Manager:	Edgar Munoz	Frage	Date: 7/21/05
T10 N	Sr. Project Manager:	Fernando Paíva	1 Sign	Date: 7 2105
1DA	Reviewed by:	Pilar Saenz	skh	Date: 7-21-05
VAL	Accepted by:	CIP Budget Administrator Ernest Burkeen	Unist Bereher J. Me	P _{Date:} 7/21/05
Copie	D	irector of the Client Department	Sign V CIP SENIOR ACCOUNTANT, HDR PROGRAM MAN	

15. Morningside Park Recreation Building Improvements

TOTAL DOLLAR AMOUNT: \$550,000 (1.35 Million Allocated, estimated balance \$800,000)

SOURCE OF FUNDS: \$550,000 - Neighborhood Park Improvements

DESCRIPTION OF PROJECT: Renovate the existing Recreation Building to upgrade bathrooms to ADA compliance, add air conditioning to the main double story space in the building, enclose and enlarge the porch area in the rear of the building to become an activity/aerobics room. Add a new parking lot to relieve the on-street parking in the front of the building. (Continuation of scope attached)

HD/NIB MOTION 05-84

A MOTION TO APPROVE THE AUDIT COMMITTEE'S RECOMMENDATION TO FUND THE MORNINGSIDE PARK RECREATION BUILDING IMPROVEMENTS.

MOVED:

M. Reyes

SECONDED:

M. Cruz

ABSENT:

E. Broton, L. Cabrera, R. Cayard, L. De Rosa, D. Marko, J. Reyes,

A. Sumner

Note for the Record:

Motion passed by unanimous vote of all Board

Members present.

16. Roberto Clemente Park Building Renovations

TOTAL DOLLAR AMOUNT: \$810,000 (1.1 Million Allocated, estimated balance \$290,000) SOURCE OF FUNDS: Neighborhood Park Improvements

DESCRIPTION OF PROJECT: Project scope includes removal/replacement of existing shingle roofing with new metal roofing with a new decking/sheathing and supports.

Demolition/replacement of ceiling including removal and disposal of all light fixtures, HVAC vents, diffuser, registers. Repair/replacement of all roof structure members (trusses) damage by termite infestation and rotting. Removal of existing painted surfaces and re-painting. (Continuation of scope attached)

HD/NIB MOTION 05-85

A MOTION TO APPROVE THE AUDIT COMMITTEE'S RECOMMENDATION TO FUND THE ROBERTO CLEMENTE PARK BUILDING RENOVATIONS.

MOVED:

G. Reshefsky

SECONDED:

M. Cruz

ABSENT:

E. Broton, L. Cabrera, R. Cayard, L. De Rosa, D. Marko, J. Reyes

Note for the Record: Motion pass

Motion passed by unanimous vote of all Board

Members present.

 Spring Garden Point Park Renovation of the Historic Seybold Carriage House

Mary Conway, Director, CIP & Transportation, reported that when the item was brought before the Board, it was for approval of \$300,000 of historic preservation initiative monies to be used for the restoration of the building at the site. At that point, the project had been managed and administered by the neighborhood association. Some time later, CIP was asked to get involved and started looking at the scope of the project, validating of the cost estimate. The existing structure is in very deteriorated condition, so CIP sought an independent estimate for what the true cost was anticipated to be to restore the structure at the existing site and also to do some seawall repairs. Based on the information CIP has, there is a significant funding shortfall, so the project that was brought before the Board is on hold until the discrepancy associated with the funding shortfall can be resolved. The original 300,000 was only anticipated for the building and did not take into account seawall or site work that would also be required.

- Dorsey Park Building Renovation Design Services AND
- 19. Dorsey Park Building Renovation

Edgar Munoz, CIP Department, reported that the scope of work includes a 900 square foot addition and interior renovations to comply with ADA. The original estimated project cost is \$440,000. The design is complete and the permit plans have been approved by the Building Department. The construction will start March 2006 and will end December 2006.

- 20. Roberto Clemente Park Building Renovation Design Services
- 21. Roberto Clemente Park Building Renovation

Edgar Munoz, CIP Department, reported that the building renovations include roof replacement and compliance with ADA for the entire building. The original project cost estimate is \$725,000. The estimated construction start date is March 2006 and the estimated completion date is January 2007.

- 22. Williams Park Pool and ADA Improvements Design Services,
- 23. Williams Park Recreation Building Improvements and Expansion Design Services AND
- 24. Williams Park Improvements

Fernando Paiva, CIP Department, reported that the project includes the renovation of the existing 2,000 square foot building, new 2,106 square foot addition, and renovations to the pool house. The scope of work also includes landscaping, new walkways, and addressing the drainage problems. The consultant is currently addressing the Building Department comments, and the estimated construction start date is March or April 2006 and completion in March 2007. There are permitting issues that the Department has been addressing, as well as issues with the design.

Rolando Aedo questioned if there was any money spent in design work for the water playground. Mr. Fabrikant stated that there was none.

7. Williams Park Site Furnishings

Ed Blanco, Parks & Recreation, reported that the project has been completed and pictures are available.

8. Roberto Clemente Park Building Renovation

Jose Ortega, CIP Department, reported that the estimated cost of the project is about \$724,000. The general scope of the work is to repair the roof structure, install a new roof, and make some ADA modifications to the building. The contractor mobilized May 15, and he has completed his requirements of demolition to have the structural engineer onboard do his analysis on the termite inspection. He was brought on-site as of Monday. He has completed his inspection along with two of his associates, and at the present time, the Department is awaiting his report and his recommendation for the mitigation of trusses as it sits right now. There is a good possibility a portion of the existing trusses may need to be torn down to accomplish the project.

Rolando Aedo questioned whether the budget would allow for that probability. Mr. Ortega stated that there is a high likelihood that there are not enough monies available to go into that task. Mr. Fabrikant stated that the Department is waiting for the report to come in, so the extent of options available is unknown. The likelihood is there is not sufficient money allocated at this time to cover the costs of any mitigation because the report is expected to come back showing significant issues that will require an increase in the overall construction cost, as well as delay in completing the project. The report should be ready by the next meeting.

9. Coral Way Beautification Uplighting Phase I

Tony Sabbag, CIP Department, reported that the project is about 97 to 98 percent complete. At the last meeting, it was reported that there was some hurricane damage on about 16 or 18 lamps. Right now, there are about 10 lamps missing. The contractor is expected to be out there tomorrow to replace those last 10 lamps. The uplighting has been functioning since June 6, and it is expected to be done by the end of this month, early next week, the latest.

Gary Reshefsky asked how the lights are working. Mr. Sabbag stated that the lights are working fine. The first night they were turned on, the Department had a drive-through done on both sides. There weren't any glare issues, and they seemed to be lighting up the canopy pretty well.

10. Coral Way Beautification Phase II

Tony Sabbag, CIP Department, reported that the estimated cost was \$86,900, which consisted of the landscaping along the median islands and around the uplighting fixtures. The project is 100 percent complete. The last update reported that there was some hurricane damage and the Department was negotiating costs. That has all been done. The project was completed and turned over to Public Works maintenance on May 22.

Roberto Clemente Park Update

Gary Fabrikant, CIP Department, reported that the Department is in the process of analyzing the available dollars under HD-1 bond series to determine what can continue immediately and what has to wait for HD-2. That analysis is being finalized and the Department will be meeting with the Manager, hopefully, within the next two weeks, to get his concurrence. Once that has been done, part of the proposal is to immediately proceed with the redesign for Roberto Clemente Park. The redesign typically takes about one year. The Department will work to try to have that reduced, but that's pretty much standard in the industry, and then about a year for construction. Any time you try to expedite a process and reduce timeframes, you will increase the cost of the project.

Luis De Rosa requested that Gary Fabrikant e-mail the information regarding the meeting with the City Manager concerning the project's current status to him within the next seven days.

Chairman Flanders suggested that the board members do some personal lobbying upstairs on the 15th with the Mayor.

DEPARTMENT OF CAPITAL IMPROVEMENTS PROJECT OVERVIEW FORM

IDNATE

1. DATE: 10/27/04	DISTRICT: _5
NAME OF PROJECT: BLACK POLICE PREC	INCT & MISEIM DESTODATION:
1 INTERNATING DEPARTMENT/DIVISION: (APITAI IMPDONEMENTO
INITIATING CONTACT PERSON/CONTAC	T NIIMRER: Jorge Cano (205) 416 1202
CHAIL DELAKTMENT CONTACT: Jorge Cand	
RESOLUTION NUMBER: CIP/ADDITIONAL PROJECT NUMBER: B-30	PROJECT NUMBER: <u>311715, 327001, 888935</u>
	(IF APPLICABLE)
2. BUDGETARY INFORMATION: Are funds	hudgeted? MVES TNO IC
TOTAL DOLLAR AMOUNT: \$1 715 800 (\$415 80	budgeted? YES NO If yes, 0-D5 Quality of life #311715/\$1,000,000-Historic Preservation
Initiatives #327001/\$300,000 Fla. Bureau of Histori	Personant 4999035 C
SOURCE OF FUNDS: D-5 Quality of life Histori	Resources #686935 Grant) Preservation Initiatives and Fla. Bureau of Historic Resource
ACCOUNT CODE(S): CIP # 311715, 327001, 88	<u>rreservation Initiatives and Fla. Bureau of Historic Resource</u> 3935
If grant funded, is there a City match requirement?	YES NO
AMOUNT: \$280,000 EXPIRA	TION DATE: <u>June 30, 2005</u>
Fertimeted Or autical Plants of A	ccount Code(s): #327001 Historic Preservation Initiatives
3. SCOPE OF PROJECT:	
Individuals / Departments who provided input:	Jorge Cano / CIP
DESCRIPTION OF PROJECT: The scope consist	of rehabilitation of the building for use as classrooms and
renewal of finishes and related architectural and engin	eering services.
ADA Compliant? YES NO N/A	
	3.70 Fills and 1.70 F
], <u> </u>	NO N/A DATE APPROVED:
	NO N/A DATE APPROVED: 10/27/04
1 — — — — — — — — — — — — — — — — —	NO NA DATE APPROVED:
Revisions to Original Scope? YES	NO (If YES see Item 5 below)
Time Approval 6 months 12 months Dat	e for next Oversight Board Update:
4. CONCEPTUAL COST ESTIMATE BREAKD	OWN
Has a conceptual cost estimate been developed based	apon the initial established scope? TYES NO If yes,
	spon the findal established scopes [] IES [] NO If yes,
CONSTRUCTION COST:	
Is conceptual estimate within project budget?	YES NO
If not, have additional funds been identified?	YES NO
Source(s) of additional funds:	
Approved by Commission?	
	NO NA DATE APPROVED:
· · · · · · · · · · · · · · · · · · ·	NO N/A DATE APPROVED:
5. REVISIONS TO ORIGINAL SCOPE	
Individuals / Departments who provided input:	
Justifications for change:	
Description of change:	
Fiscal Impact	
Source(s) of additional funds: YES	NO ·
Time impact	
Approved by Commission? YES	NO NA DATE APPROVED:
	NO N/A DATE APPROVED:
6. COMMENTS:	
- AAAAAA	
APPROVED 1/2/1 /	
APPROVAL: TENER TO THE	DATE: 10/27/04
BOND OVERSIGHT BOARD	
	Fredomen P. J. VI. M
	Enclosures: Back-Up Materials X YES NO

II. **OLD BUSINESS:**

AUDIT COMMITTEE REPORT:

- Miami River Greenway Regulatory Guidelines Professional Consulting Services – 10/27/04 meeting.
- Site Furnishings at Southside Park 10/27/04 meeting.
- Police Headquarter's Restroom ADA Modification Phase I Locker – 10/27/04 meeting.
- Old Miami Black Police Precinct & Museum Restoration -10/27/04 meeting.
- Procurement of Appraisal Services for Little Haiti Park 11/23/04 meeting.
- Gibson Park Improvements Phase I 11/23/04 meeting.
- Coral Gate Park Irrigation 11/23/04 meeting.
- Jose Marti Park Irrigation 11/23/04 meeting.
- Williams Park Irrigation 11/23/04 meeting.
- Moore Park Irrigation 11/23/04 meeting.
- New Public Plaza & Roadway Improvements Adjacent to Mary Brickell Village Cooperative Project Agreement -11/23/04 meeting.
- Sewell Park Restrooms/Park Facility Building 11/23/04 meeting.
- Juan Pablo Duarte Park Building Renovation/Expansion -11/23/04 meeting.
- Robert King High Park New Building and Site Improvements - 11/23/04 meeting.
- Henry Reeves Park Community Service Building Improvements – 11/23/04 meeting.
- Margaret Pace Park Improvements Phase II 11/23/04 meeting.

➤ HD/NIB MOTION 04-87

A MOTION TO APPROVE THE AUDIT COMMITTEE'S RECOMMENDATION TO FUND ALL PROJECT LISTED ABOVE.

MOVED:

D. Marko

SECONDED:

M. Reves

ABSENT:

L. Cabrera, L. De Rosa, J. Manowitz, J. Reyes

Note for the Record: Motion passed by unanimous vote of all Board

Members present.

• Fire Station No. 11 – 11/23/04 meeting.

TOTAL DOLLAR AMOUNT: \$2,500,000 (which has 10 Million allocated, with 5.5 Million in 1st series. Estimated current balance is (\$3,000,000) from 1st series allocation

SOURCE OF FUNDS: Neighborhood Fire Stations & Training Facility

Approved by Audit Committee: 11/16/04

3. Little Haiti Park Appraisal Services.

Madeline Valdes reported that \$11,500 was spent in appraisals, of which \$25,000 was requested. Parcel 92, on the recreational component, is still in litigation, and as such, the appraisals will need to continue to be updated, so the allocation of \$25,000 should be made available for future updates. Parcel 18 may possibly be swapped with an adjacent property owner to one of the City-owned properties in hopes that parking can be increased along the cultural component of the project.

 Miami River Greenways Regulatory Guidelines – Professional Consulting Services.

Gary Reshefsky reported that the study for the Miami River Greenways was completed, and it's going to the Planning Advisory Board, and then to the City Commission in July. This plan will require developers to comply with certain design standards for the bay walk.

5. New Public Plaza & Roadway Improvements Adjacent to Mary Brickell Village.

Gary Reshefsky reported that the project is projected to be completed in the fall, probably in November. The City is monitoring the public plaza's construction, and the developer has drawn down the money that was allocated for the project as the expenses come about.

6. Black Police Precinct & Museum Restoration.

Gary Reshefsky reported that the building has been completed gutted, and it's getting a roof permit, new water lines, and a phase of the project is expected to be complete in March 2006.

7. Gibson Park Improvements – Phase I.

Gary Reshefsky reported that the park is scheduled to open in January. The project was three months behind, but the park wasn't shut down during the three-month lag. Part of the park is currently open. The recreation building is closed, but the project is moving forward.

8. Bay of Pigs – Playground Equipment.

Gary Reshefsky reported that the project was completed in April.

9. Jose Marti Park – New Water Playground.

Gary Reshefsky reported that construction will start in September, and it will be open the following summer.

Engineering, who will be the firm preparing the final design for the project. The final design was started in November 2005 and it is expected to be completed in October 2006. The design contract amount is \$246,337.

10. Fairlawn Storm Sewer Improvements Phase III – Design Services

Jose Lago, CIP Department, reported that the project area is bounded by Southwest 8th Street, West Flagler Street, Southwest 47th Avenue, and Southwest 57th Avenue. The preliminary drainage study was completed in October 2005. The final design, which is being prepared by Post Buckley, is expected to begin in February 2006, and the anticipated completed date is December 2006. The final design costs are \$277,905.

11. Fairlawn Storm Water Pump Station Phase IIA

Jose Lago, CIP Department, reported that the project is in construction, which began January 2006, with an anticipated completion date of June 2007. The project area is bounded by Northwest 7th Street, Northwest 4th Terrace, Northwest 47th Avenue, and Northwest 51st Avenue, and it also includes a portion of Antonio Maceo Park.

12. Black Police Precinct & Museum Restoration

Jim Brittain, CIP Department, reported that the museum has been under construction for almost one year. The contractor is currently in the process of installing plumbing and electrical. Most of the interior partitions have been installed, and the large exterior window frames are expected to be in this week. A dedication of the facility is expected to occur between late 2006 and early 2007.

Mary Conway, Director, CIP/Transportation, reported that the anticipated construction completion date is summer 2006.

13. Gibson Park Improvements Phase I

Jim Brittain, CIP Department, reported that the interior work on Phase I is complete on the recreation building, except for the installation of the suspended lights within the main room of the recreation building, and the contractor should be starting on those any day now; they have been given the go-ahead to do that. The exterior landscaping between the recreation building and the library is all complete. The irrigation system is complete, and the remaining site work, part of Phase I, cannot be done until Phase II is almost complete because they overlap.

14. Gibson Park Improvements Phase II

Jim Brittain, CIP Department, reported that the PO should be issued for Phase II within the next month to start on the Phase II construction.

Mary Conway, Director, CIP/Transportation, reported that there are different improvements being overseen at the park by the CIP office on behalf of the Parks Department. There are other initiatives that the Parks Department is overseeing directly. Mary Conway makes a commitment to the Board that she will get together with both CIP staff and Ernest Burkeen, Parks Director, and Park staff to make sure that all of the different areas where improvements are needed within the park are being addressed, and this project will be included as an

UPDATES:

1. Black Police Precinct & Museum Restoration

Jim Brittain, CIP Department, reported that the Parks Department, Grants Department, and Employee Relations Department wanted to make a few changes on the interior of the facility to make it more usable in the future. Because of those changes, the project completion date was extended to June 2007. The extension is primarily due to replacing one of the interior fixed walls with a folding partition wall and the timeline required to design and install that equipment. There may not be enough money to cover the entire cost of the change. Robert Ruano, with the Grants Department, has been working with Employee Relations and Parks, to provide some monies to help cover the additional cost on the project.

Gary Fabrikant, CIP Department, stated that, at this time, the Department does not envision using any additional bond dollars for this project.

2. N.E. 2nd Avenue Improvements-Design Services

Jose Lago, CIP Department, reported that the scope of work includes road improvements on a new corridor along Northeast 2nd Avenue between Northeast 20th Street and Northeast 87th Street. The engineering designer DMJM & Harris. The engineering firm is currently performing a comprehensive analysis, which is expected to be completed by the end of September 2006, and the design will begin by October, and hopefully, will be completed by March 2007. Construction is expected to begin July 2007.

Gary Fabrikant, CIP Department, stated that the project is not tied into the streetcar project.

3. Buena Vista East- Design Services

Jose Lago, CIP Department, reported that the scope of work includes roadway milling and resurfacing, widening sidewalks, construction of ADA ramps, new raised curbs, driveway approaches, sidewalk repair, and new drainage. The locations are Northeast 42nd to 48th Streets between North Miami Avenue and Northeast 2nd Avenue, also Northeast 1st Avenue between Northeast 42nd Street and Northeast 48th Street, and lastly, Northeast Miami Court, Northeast Miami Place, and Northeast 1st Court between Northeast 47th Street and Northeast 48th Street. The engineering designer is Marlin Engineering. The design is about 90 percent completed. Design completion is expected in October 2006, and construction will start by July 2007.

4. Miami Watersports Complex – Hangar Improvements

John De Pazos, CIP Department, reported that the project is nearly complete. The only pending items on the project are the installation of an overhead door and some minor landscaping in the front of the hangar facility. Completion of these items is anticipated by the middle of next month.

5. Ballet Gamonet at the Alfred I. Dupont Building

Chairman Flanders: OK. Ballet Gamonet at the Alfred I. Dupont Building.

Gary Fabrikant: I'll give the update on that one.

Chairman Flanders: OK, Gary.

Mr. Fabrikant: Ballet Gamonet was first brought before the Board about three years ago, and a grant in the amount of \$300,000 was approved using District 2 Neighborhood Quality of Life