

HOMELAND DEFENSE/
NEIGHBORHOOD IMPROVEMENT
BOND OVERSIGHT BOARD
AGENDA

8-28-07 – 6:00 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 and JULY 24, 2007.**

II. **OLD BUSINESS:**

- 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

III. **NEW BUSINESS:**

NEW ITEMS:

1. Gusman Hall Improvements Project
2. Virginia Key Beach Park Trust Various Projects
3. Armbrister Park New Concrete Terrace
4. Armbrister Park Awning for Recreation Building
5. Merrie Christmas Park Walkways/ADA Compliance
6. Grove Heritage Brick Pavers
7. Morningside Park New Asphalt Overlay for Roads & Parking
8. Morningside Park Asphalt Parking Area for Boat Trailers
9. Orange Bowl Stadium Critical Repairs
10. Williams Park Recreational Building Improvements
11. Fern Isle Park Project
12. Shenandoah Traffic Calming Phase I
13. Additional Funding for Kinloch Park Community Recreation Building Improvements
14. Grapeland Community Recreational Facility & Parking Lot Phase III
15. Grand Avenue Lighting Project
16. Paul S. Walker Park

IV. **CHAIRPERSON'S OPEN AGENDA:**

V. **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

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. NEW BUSINESS:

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: <u>\$2,000,000</u>
SOURCE OF FUNDS: <u>Miami Science Museum</u>
ACCOUNT CODE(S): <u>CIP # 333143</u>
DESCRIPTION OF PROJECT: <u>To support further activities related to the development of a Science Museum in Bicentennial Park.</u>

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.

➤ Buena Vista East Historic District Streetscape Improvements

NAME OF PROJECT: BUENA VISTA EAST HISTORIC DISTRICT-STREETSCAPE 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 Improvements

ACCOUNT CODE(S): CIP # 341157 & 311715

DESCRIPTION OF PROJECT: Scope 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.

➤ 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.

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.

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

The meeting was called to order at 5:03 p.m., with the following members found to be

Present: Hugo P. Arza
Eileen Broton
Luis Cabrera
Charisse L. Grant
Carmen Matos
Gary Reshefsky
Manolo Reyes (Vice Chairman)

Absent: Kay Hancock Apfel
Mariano Cruz
Ramon De La Cabada
Robert A. Flanders (Chairman)
Ricardo Lambert
Jami Reyes
Jose Solares
Hattie Willis

ALSO PRESENT: Rafael O. Diaz, Deputy City Attorney
Kirk Menendez, Assistant City Attorney
Ola O. Aluko, Director, CIP Department
David Mendez, Assistant Director, CIP Department
Pilar Saenz, Assistant Director, CIP Department
Assistant Fire Chief Reginald Duren, Fire Department
Edgar Muñoz, CIP Department
Danette Perez, CIP Department
Zimri Prendes, CIP Department
Ed Blanco, Department of Parks & Recreation
Teri E. Thomas, City Clerk's Office

July 24, 2007

I. APPROVAL OF THE MINUTES OF THE MEETING OF JUNE 26, 2007.

NO ACTION TAKEN DUE TO LACK OF QUORUM.

II. NEW BUSINESS:

INTRODUCTION OF NEW BOARD MEMBER:

- Hugo P. Arza nominated by Vice Chairman Sanchez

Vice Chairman Reyes welcomed Hugo P. Arza, nominated by Vice Chairman Sanchez, as a new member of the Homeland Defense/Neighborhood Improvement Bond Oversight Board.

Vice Chairman Reyes thanked Rolando Aedo for his dedicated service on the board from its inception. His contributions to the board were excellent and will be missed.

FINANCIAL UPDATE:

- Expenditures, Reallocations and Series 2 Update

Vice Chairman Reyes: Let's do the financial update now. We have the expert. Please state your name.

Pilar Saenz: Pilar Saenz, assistant director, Capital Improvements. I'd like to give you all a financial update on the bonds. The first thing I'd like to tell you about is a fresh, hot-off-the-press press release that was issued today by the City regarding the issuance of the second series of the bonds, and actually, the refinancing of the first series, and you'll have a copy of it right there on the front page of the package you're receiving now. What this allowed us to do was save about \$4 million -- over \$4 million to taxpayers in reduced debt costs, so the details are here in the press release, and this is good news for the City and all the residents.

Gary Reshefsky: That's great news.

Ms. Saenz: It is very good news. Along with that, just want to let you know that we have received the second series of the Homeland Defense bonds in the amount of -- just under \$51 million. We will be appropriating that in an August 1 -- legislation that will be presented to the City Commission on August 1, and that's very good news as well because it allows us to proceed with many of our ongoing projects. To give you a little update on the status of our first series, as of -- the sheet that you have with the green and yellow columns, this is an expenditure update, similar to the format that you're used to seeing with the projects on the left and the first series. The green column includes the reallocated dollars, based on our reallocation plan that you approved earlier in the year, and what you'll see here is that we're at a level of \$134.6 million in expenditures as of earlier this month, and what we'd like to do is continue presenting to you updates on the expenditures probably on a monthly basis. As we have updates, we will be providing those to you as well.

Vice Chairman Reyes: I have a question. We reallocated -- due to troubles that we had, we reallocated a lot of monies from one place to another one. This reallocation has taken care of all the projects? We are fully funded? Now all the projects are fully funded and they're going to be completed?

Ms. Saenz: We hope that they are. If anything happens to come up, we will certainly be bringing that to you. You can always have any conditions that arise in a construction project, but those were based on the estimates that we had -- we go over the estimates often -- and based with contractors' proposals, so -- but again, things may arise, just like this morning something new came up at Fern Isle, and we'll be bringing that later on to you, so -- but any changes that we make or any reallocations that are required, we're going to be bringing those up to you because there is an approved reallocation plan, so anything that requires a shift to any dollars, we will absolutely bring that to you, which actually brings me to my next point, and it is a revision to the reallocation plan, and you'll see this in the long sheets, and we discussed this last week at the Audit Subcommittee with Mr. Reshefsky there, and Ms. Broton, and Ms. Matos. Let me bring you first to the second page, and what we're doing here is you used to see this with pink. Well now the pink is now gone because we have an approved plan, so these items in purple are what I'd like to call your attention to. On the second page, the District 2 Quality of Life had an allocation from second series, and now, in conversations and discussions with the Commissioner, he's identified some specific projects, which, I believe, two of them, Ed will mention to you in a little while; the Saunder's plot repairs at the City Cemetery and the dog park fence at Blanche Park. Another item, which isn't being presented to you for approval at the time, is \$100,000 for lighting on the Venetian Causeway neighborhood, and that's one of the commitments that the District 2 Commissioner has made to that neighborhood area, and that's for down the line, but as he identifies items from his quality of life, of course, we want to earmark those items and present them to you. The other item that I'm going to mention here -- and it's on several pages throughout these sheets because the file is sorted by district. The other items here are related to Fire, and just generally, if you don't mind, without going one by one, but I'll speak to them in general terms of Fire. In the reallocation plan, Fire was kind enough to remind us -- and Reggie will bring this up to you also in a little while -- but Fire pointed out to us that during one of the swaps that we used to do, we forgot to fund the Haz Mat vehicle that had been swapped out into the future series and now, in second series, it did not get funded, and that Haz Mat vehicle amount allocation had originally been \$330,000, and so now we came in and funded that. That's something that they're procuring now. It's actually a higher amount, and Reggie will tell you that as well, but the original allocation was \$330,000, and we've gone ahead and funded that. Also, fire stations 11 and 13 are more advanced than fire station 14, so what we've done -- we had a meeting with the Fire Department and the City Manager, and the allocation the allocation that we had for fire station 14, we've moved over to fire stations 11 and 13 because they're going to need additional dollars for construction, and also there was -- they have a need for equipment, and I don't know, Reggie, if you're going to go into this in a little while, but we've also allocated \$3.2 million for fire equipment out of fire station 14, so all the dollars are staying within the fire category with all the shifting. However, at some point later on when we go to seek funds for the acquisition of land for fire station 14, we'll have to have conversations with the budget director, but because these are homeland dollars and they're still staying within the fire projects, we felt comfortable in making the shift to accommodate the needs of the Fire Department, and I believe that is basically it, and Reggie and Ed will give you more detail on the Haz Mat vehicle, as well as on the Parks items.

Vice Chairman Reyes: I have a question for clarification. Could you explain where the shortfalls are? Could you go through each one of them? Not all of them, through the columns so that people understand what each column means.

Ms. Saenz: Absolutely. The shortfall column is still the same number that it was back when you approved the reallocation plan back in April. That has not changed, but it was for additional funding needs for the priority projects that were ongoing, so that's how the reallocation plan came about. There were ongoing projects that needed additional dollars to be completed. Those were our priority projects, and in doing that, we shifted dollars from other projects that were either done with other funding sources, that were not going to be done because now it's a change in the vision for that particular project, or that hadn't started and we needed to shift those dollars.

Vice Chairman Reyes: OK, but that is not the shortfall that we have now because that was taken care of by the shift in funds from all the projects.

Ms. Saenz: Right. The shift in the funds took care of that shortfall, right. This is not a new shortfall, so I don't want to alarm you with that.

Vice Chairman Reyes: Anyone that reads this, I want them to understand it, and I want them to be clear in how it is. Could you go to the next column and explain to all the board members what you mean by that?

Ms. Saenz: OK. The next column that says the available to reallocate?

Vice Chairman Reyes: That's right.

Ms. Saenz: OK. Any positive number that you see in that column signifies that that particular project needed dollars. No. I'm saying it the other way around. Any positive number signified that those dollars were available to be shifted to the other projects that had the additional funding requirements. Any item that you see there with the negative meant that it needed additional funding coming into that project, so the negatives were dollars that we were adding to that particular project, and the positives were available to shift around to fund the reallocations. In the other column, the adjustment column, you're going to see the same numbers, except the reverse, and I do that because that's the column that I use for calculation purposes, and then in the last column, the HD total, this will be the new HD second series amount plus the original series one, so that would be the total for that project from the whole bond program.

Vice Chairman Reyes: OK. Thank you very much.

NEW ITEMS:

- Purchase of a Pierce Lance Haz Mat Vehicle for the Fire Department

<p>NAME OF PROJECT: <u>PIERCE LANCE HAZ MAT VEHICLE FOR THE FIRE DEPARTMENT</u></p> <p>TOTAL DOLLAR AMOUNT: \$564,576.53 _____</p> <p>SOURCE OF FUNDS: <u>Fire-Rescue Homeland Defense Preparedness Initiatives</u></p> <p>DESCRIPTION OF PROJECT: <u>Purchase of Pierce Lance Haz Mat Vehicle for the Fire Rescue Department (Continuation of scope and Bid is attached)</u></p>
--

NO ACTION TAKEN DUE TO LACK OF QUORUM.

Assistant Fire Chief Reginald Duren stated that the purpose of the Haz Mat vehicle is to be one of the front-line response units in case of any significant events that center around nuclear, biological, chemical, biohazardous type events, so it's essential that the Department has this vehicle, and it carries a large cache of product that can be used on these types of emergencies. It has space to carry suits and monitors, and so on and so forth, and bioequipment that will enable response workers to create a setup for a Haz Mat response, so it's an essential piece of equipment. There are only three Haz Mat teams in the County, with one located in the City of Miami. The vehicle in question is roughly \$565,000. The vehicle was anticipated to be purchased in the future. However, the current vehicle the Department is using has served its period of usefulness and it's in the shop constantly; it's no longer reliable. It takes six to eight months to get this type of vehicle delivered, so that's why the Department is rushed to get it done, also coinciding with the fact that the vendor informed the Department that the vehicle's price will be raised about \$30,000.

- Blanche Park Fence Project

<p>NAME OF PROJECT: <u>BLANCHE PARK FENCE PROJECT</u></p> <p>TOTAL DOLLAR AMOUNT: \$12,000 _____</p> <p>SOURCE OF FUNDS: <u>District 2 Quality of Life Improvements</u></p> <p>DESCRIPTION OF PROJECT: <u>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.</u></p>

NO ACTION TAKEN DUE TO LACK OF QUORUM.

Ed Blanco, Department of Parks & Recreation, stated that the projects he is presenting did not come from the Parks Department, but were initiated as a result of a request from Commissioner Sarnoff's office. The projects will be funded from Commissioner Sarnoff's quality of life. The Blanche Park Fence project has a three-foot-high fence around the dog park area, and there have been problems with the larger dogs climbing over the fences and breaking part of the fence, so the current fence will be demolished, and a four-foot-high fence will be installed around the same dog park area. One quote for approximately \$11,200 has been received, but the project will have to be bid out anyway because it's more than \$5,000, and that was presented to the Audit Committee.

Gary Reshefsky stated that the Audit Subcommittee supported the Blanche Park fence project because it's great and necessary for public safety.

➤ Saunder's Plot Repairs at City's Cemetery

NAME OF PROJECT: [SAUNDER'S PLOT REPAIRS AT CITY'S CEMETERY](#)
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.
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.

NO ACTION TAKEN DUE TO LACK OF QUORUM.

Ed Blanco, Department of Parks & Recreation, stated that the Saunder's Plot project is not really a repair because there will need to be a brand-new construction of the Saunder's Plot at the Miami City Cemetery, which was brought to the attention of Commissioner Sarnoff's office by the Dade Heritage Trust. One quote was received for about \$23,000 to renew the arches. The arches cannot be repaired because they're in very bad condition. They have to be demolished and have new arches installed. Because it falls under \$25,000, the project does not need to be bid out. Contractors are on board that will do the project for the amount specified. The Department has been advised that the Commissioner would like both projects to move forward as soon as possible, and since there is no quorum tonight, under the official rules, the Board's approval is needed to move forward on both projects.

Mr. Blanco requested the Board to allow the Administration to proceed with both projects, Blanche Park Fence Project and Saunder's Plot Repairs at City's Cemetery, prior to the approval of the Board.

Rafael O. Diaz, Deputy City Attorney, stated that if the project is not being bid out and it's under the Manager's purview to contract the project, then it can be done.

➤ Morningside Park Shoreline Stabilization Project

NAME OF PROJECT: [MORNINGSIDE PARK SHORELINE STABILIZATION PROJECT](#)
TOTAL DOLLAR AMOUNT: \$1,000,300 (\$705,000 is only from Neighborhood Parks Improvements & Acquisition)
SOURCE OF FUNDS: \$705,000 Neighborhood Park Improvements & Acquisitions/\$10,300 SNPB Conversion & \$285,000 SFWMD Shoreline Stabilization
DESCRIPTION OF PROJECT: This project scope includes the removal and disposal of existing concrete rubble, 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.

NO ACTION TAKEN DUE TO LACK OF QUORUM.

Edgar Muñoz, CIP Department, stated that the project has been in the works for about two years. Lots of time has been spent securing the environmental permits. Now everything is ready and the project will move forward as soon as it is approved. The project will cost \$1.3 million and will cover 30,340 linear feet of shoreline. This is very important because the ocean needs to be stopped on the shoreline. The project will include the addition of two kayak launchers. The preconstruction meeting with DERM was held last week, and the project is ready to begin.

Gary Reshefsky stated that the Audit Subcommittee recommended approval of the project.

UPDATES:

❖ Little Haiti Park Soccer Park

Ola O. Aluko, Director, CIP Department, reported that the Little Haiti Park Soccer Park project, located in District 5, is roughly 70 percent complete. The project's estimated value is \$6.9 million. The park consists of a 700-plus seat grandstand, an international size pitch and also an international size practice pitch. The park project broke ground early this year, and the completion date is slated for March 2008. In addition to the soccer park is a community center, which consists of a local NET office, community rooms, and a hall. The progress is ongoing and on schedule. It appears that the park may be completed ahead of schedule.

Luis Cabrera asked if both the soccer park fields and the NET office would be completed by March 2008. Mr. Aluko stated that the soccer field would be open by March 2008. Regarding the NET office/community center, during the initial design, there was an existing church which was meant to be gutted and used as the community center. Within that church was meant to be the NET office and the ancillary spaces. Unfortunately, when construction began, it was discovered that the church had deteriorated more than expected, so the church was demolished in its entirety. At the time, only \$800,000 had been allocated for the renovation of the church. Now that a new community center has to be built, the estimated funds required is approximately 1.2 to \$1.4 million. A commitment has been made to the community that they will still get the 4,000 square foot facility promised initially. The City is currently in the process of securing non-HD funds to add to the \$800,000 to provide the 4,000 square foot building. Mr. Aluko stated that he was told by the City's CFO that the funds had been identified.

❖ Little Haiti Park Cultural Complex

Ola O. Aluko, Director, CIP Department, reported that the project is estimated at \$6.8 million. The project scope includes a 250-seat black box theater with art galleries, an open air plaza, an educational center, and other outdoor activity areas. This project is roughly 47 percent completed. The project is on schedule for completion by March 2008, but the contracted completion date is May 2008. The project was recently toured with the Commissioner and the community last week, and they were highly impressed, and there is a lot of community involvement in the community center.

Ed Blanco, Department of Parks & Recreation, reported that the Department of Parks & Recreation is currently seeking a management plan to operate the cultural center facility.

Charisse L. Grant asked two questions: What is in the cultural facility in terms of auditorium and/or dance space? Is there any tie-in with the network of community cultural arts center under development by Miami-Dade County? Regarding the scope of the community facility, Mr. Aluko stated there will be a black box theater, which will be a 250-seat theater, which is ideal for the community. In addition to that, there will be gallery spaces for local and visiting artists to display their artwork. Also, there will be an outdoor plaza and educational components, including a computer room. Mr. Aluko stated that the City is in community with the County's Cultural Affairs Department. The County's Cultural Affairs Department actually recommended the programming consultants who assist them in their cultural affairs so, hopefully, there will be some coordination between the County and the Parks Department. Mr. Aluko stated that he believes there are discussions ongoing between the Parks Department and the Cultural Affairs Department regarding programming for the facility.

❖ Grapeland Park

David Mendez, Assistant Director, CIP Department, reported that the Grapeland Park project is broken up into three phases; first phase, baseball field; second phase, water park; third phase, community center. The baseball fields are 99.9 percent complete. Punch list items are being reviewed to complete the project, and a Certificate of Occupancy should be obtained within the next couple of weeks. The water park is about 30 percent complete.

Vice Chairman Reyes asked for an estimate of when the baseball fields will be available for games. Mr. Mendez stated that the fields should be ready to go within the next month or so. The main thing needed to complete the project is a screen that was added to the project that will protect the spectator area from the baseballs.

Gary Reshefsky asked where the basketball courts will be located. Mr. Mendez stated that the basketball courts are not included in phase I. The courts will be located on the west side of the water park.

Luis Cabrera asked for a time estimate for the completion of the water park. Ola O. Aluko, Director, CIP Department, stated that the water park completion is expected for the second quarter of 2008. The Department is currently aggressively working on the water features of the park. The scope of the park includes water features, a kitchen, a vending area, and the main entrance. All of those structures are roughly 70 to 80 percent completed. The main area that needs to be completed now is the site work, which includes the water feature and the parking lot.

❖ Fern Isle Park

Ola O. Aluko, Director, CIP Department, reported that the project is estimated at \$6 million. The project consists of two baseball fields, dugouts, batting cages, and two basketball courts. The project is roughly 55 percent completed. The project is moving aggressively fast. The estimated completion date is approximately November or December 2007.

Luis Cabrera asked if the soil contamination at Fern Isle Park has been resolved. Mr. Aluko stated that up until today the Department was under the assumption that it was taken care of, but as of this morning, the Department was informed that additional contamination had been discovered, which was the purpose of the probes that were installed to monitor any underground contaminants. The extent of the contamination and the cost involved will be discussed at the next board meeting.

Gary Reshefsky stated that the Board wants to be kept apprised of any updates or delays to projects in a timely manner. Mr. Aluko stated that he would honor that request.

❖ Jose Marti Gymnasium

Ola O. Aluko, Director, CIP Department, stated that the project is roughly \$5.2 million, and it includes a gymnasium, a fitness center, aerobics facility, locker rooms, and other ancillary spaces for 500 people. The project has moved quickly, and is roughly 28 percent completed now. The project is expected to be completed by June or July 2008.

Gary Reshefsky requested the funding amount in the capital plan for the operation of the facility. Mr. Aluko stated that he would pass the request on to the CFO and the Parks Department and that the response would be presented at the next meeting.

Charisse L. Grant asked what is the long-term provision for the City being able to finance the programming or make money available for CBOs to program the parks facilities? Ed Blanco, Department of Parks & Recreation, stated that the Parks Department has been steadily increasing its annual budget because it understands the need for additional park staff. The Department is planning for the addition of new staff for the new facilities coming on line.

Luis Cabrera asked if it were possible, for the next meeting, for the Board to obtain an operational chart of the Parks Department, to include current staffing and projected staffing. Mr. Blanco stated that the Department could provide an organizational chart to the Board that shows the 2007-2008 staff on board.

❖ Roberto Clemente Park

David Mendez, Assistant Director, CIP Department, stated that three consultants/architects were selected that will come on line in September. One of those three architects will be working on Robert Clemente community center. Quite a bit of community outreach is expected for this project. Shovels in the ground are expected 18 months from this September.

❖ Black Police Precinct & Museum Restoration

Ola O. Aluko, Director, CIP Department, stated that the project is roughly \$1.4 million. The scope entails the remodeling of the building to restore it to its original condition. The building has been gutted. The building will have new HVAC and electrical work. Since the building will be a museum, there will be additional infrastructure included in order to display some of the museum artifacts. The building will also include a training room. The project is roughly 50 percent completed. The target completion date is March 2008.

III. CHAIRPERSON'S OPEN AGENDA:

IV. ADDITIONAL ITEMS:



DEPARTMENT OF CAPITAL IMPROVEMENTS

PROJECT OVERVIEW FORM

1. DATE: 7/24/07 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: Reginald Duran (305)416-4240 1610
C.I.P. DEPARTMENT CONTACT: Ola O Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: 313305

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$564,576.53
SOURCE OF FUNDS: Fire-Rescue Homeland Defense Preparedness Initiatives

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: Purchase of Pierce Lance Haz Mat Vehicle for the Fire Rescue Department
(Continuation of scope and Bid is attached)

ADA Compliant? [] YES [] NO [] N/A

Approved by Audit Committee? [X] YES [] 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? [] 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 yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS:

APPROVAL: [Signature] DATE: 7/24/07
BOND OVERSIGHT BOARD

Enclosures: Back-Up Materials [X] YES [] NO

PROPOSAL FOR FURNISHING FIRE APPARATUS

July 9, 2007

City of Miami
1151 NW 7th Street
Miami, FL 33136

The undersigned is prepared to manufacture for you, upon an order being placed by you, for final acceptance by Pierce Manufacturing, Inc., at its home office in Appleton, Wisconsin, the apparatus and equipment herein named and for the following prices:

One Pierce Lance Haz Mat Vehicle \$ 564,576.53

Pricing In Accordance With Florida Sheriffs Association
Bid Number 05-06-0823

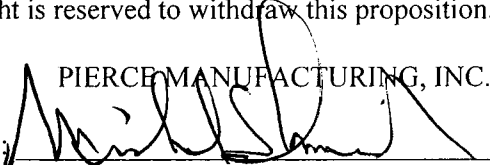
Total \$ 564,576.53

Said apparatus and equipment are to be built and shipped in accordance with the specifications hereto attached, delays due to strikes, war, or intentional conflict, failures to obtain chassis, materials, or other causes beyond our control not preventing, within about 220-250 working days after receipt of this order and the acceptance thereof at our office at Appleton, Wisconsin, and to be delivered to you at City of Miami, Florida

The specifications herein contained shall form a part of the final contract, and are subject to changes desired by the purchaser, provided such alterations are interlined prior to the acceptance by the company of the order to purchase, and provided such alterations do not materially affect the cost of the construction of the apparatus.

The proposal for fire apparatus conforms with all Federal Department of Transportation (DOT) rules and regulations in effect at the time of bid, and with all National Fire Protection Association (NFPA) Guidelines for Automotive Fire Apparatus as published at the time of bid, except as modified by customer specifications. Any increased costs incurred by first party because of future changes in or additions to said DOT or NFPA standards will be passed along to the customers as an addition to the price set forth above.

Unless accepted within 30 days from date, the right is reserved to withdraw this proposition.

By: 
SALES REPRESENTATIVE

PIERCE MANUFACTURING, INC.



FLORIDA



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: Gary 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.

*"Florida's Charity for
Florida's Children"*
www.youth ranches.org



WE SPONSOR: FLORIDA SHERIFFS YOUTH RANCHES, INC.
Boys Ranch, Youth Villa, Caruth Camp, Youth Ranch (Safety Harbor),
Youth Ranch (Bradenton/Sarasota) and Youth Camp

**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**

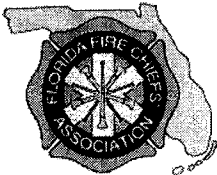


TABLE OF CONTENTS

ORDERING INSTRUCTIONS	6
Overview of Awarded Specifications	7
Designated Manufacturers	14
Basic Information REQUIRED for Purchase Orders	16
Specification #01 – Type I Ambulance	17
Ford XLT F-350	
(4x2)	19
(4x4)	20
Ford XLT F-450	
(4x2)	21
(4x4)	22
Chevrolet YF2 C3500	
(4x2)	23
(4x4)	24
Specification #02 – Type I Ambulance (Medium Duty).....	25
Freightliner M2	27
GM TC4500	28
International 4200LP	29
International 4300LP	30
International 4400LP	31
Sterling	32
Specification #03 – Type II Ambulance	33
Ford E-350	35
Specification #04 – Type III Ambulance	36
Ford XL E-350	38
Ford XL E-450	39
GM TC4500	40
Specification #05 – 75’ Rear Mounted Aerial Apparatus	41
Aluminum Ladder	
Hall-Mark Fire Apparatus, Inc. – E-One HP75	46
Ten-8 Fire Equipment, Inc. – Pierce Enforcer 75’	49
Steel Ladder	
American LaFrance – Metropolitan MV-75	52
Ferrara Fire Apparatus, Inc. – 77’ Intruder	55
Ten-8 Fire Equipment, Inc. – Pierce Enforcer 75’	58

Specification #06 – 100’ Rear Mounted Aerial Apparatus	61
Aluminum Ladder	
Hall-Mark Fire Apparatus, Inc. – E-One HP100	66
Steel Ladder	
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
Specification #07 – Mid Mounted Aerial Platform	78
Aluminum Ladder	
Hall-Mark Fire Apparatus, Inc. – E-One HP95	83
Steel Ladder	
American LaFrance – Eagle P-94-M93	86
Ferrara Fire Apparatus, Inc. – 100’ Inferno XL Igniter	89
Ten-8 Fire Equipment, Inc. – Pierce Arrow XT 95’	92
Specification #08 – Light Rescue Apparatus	95
American LaFrance – Ford F-550 XL 12’ Light Rescue	97
Ferrara Fire Apparatus, Inc. – Ford F-550 XL 12’ Light Rescue	99
Hall-Mark Fire Apparatus, Inc. – Ford F-550 XL E-One ANWR-12	101
Ten-8 Fire Equipment, Inc. – Ford F-550 XL Pierce Contender	103
Specification #09 – Heavy Rescue Apparatus	105
Aluminum Body	
American LaFrance – Metropolitan RescueMaster	108
Ferrara Fire Apparatus, Inc. – FHR Custom	111
Hall-Mark Fire Apparatus, Inc. – E-One Typhoon ANWR-16	114
Ten-8 Fire Equipment, Inc. – Pierce Saber-C Encore	117
Stainless Steel Body	
Ferrara Fire Apparatus, Inc. – FHR Custom	111
Specification #10 – 1500 Gallon Mobile Water Supply Fire Apparatus	120
Freightliner M2	
American LaFrance	123
Formed Aluminum Body	
Ferrara Fire Apparatus, Inc	126
Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	
Hall-Mark Fire Apparatus, Inc.	129
Extruded Aluminum Body	
Ten-8 Fire Equipment, Inc.	132
Formed Aluminum Body	
International 4400	
Ferrara Fire Apparatus, Inc	135
Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	

Specification #10 – 1500 Gallon Mobile Water Supply Fire Apparatus	
International 4400 – <i>(continued)</i>	
Hall-Mark Fire Apparatus, Inc.	138
Extruded Aluminum Body	
Ten-8 Fire Equipment, Inc.	141
Formed Aluminum Body	
Kenworth T-300	
Ferrara Fire Apparatus, Inc.	144
Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	
Ten-8 Fire Equipment, Inc.	147
Formed Aluminum Body	
Sterling Acterra	
American LaFrance.....	150
Formed Aluminum Body	
Ferrara Fire Apparatus, Inc.	153
Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	
Specification #11 – Wildland Fire Apparatus	156
American LaFrance – FasTac Flatbed	158
Elite Fire & Safety Equipment, Inc. – Foaminator	160
Ferrara Fire Apparatus, Inc. – Brush Runner LC.....	163
Ten-8 Fire Equipment, Inc. – Pierce Contender.....	166
Specification #12 – Commercial Pumper	168
Freightliner M2	
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	

Specification #12 – Commercial Pumper – <i>(continued)</i>	
Kenworth T-300	
Ferrara Fire Apparatus, Inc	184
Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	
Ten-8 Fire Equipment, Inc.	186
Formed Aluminum Body	
Sterling Acterra	
American LaFrance	188
Formed Aluminum Body	
All Stainless Steel Welded Body	
Ferrara Fire Apparatus, Inc	190
Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	
Specification #13 – Custom Pumper	192
Custom Chassis	
American LaFrance – Liberty	194
Formed Aluminum Body	
All Stainless Steel Welded Body	
Ferrara Fire Apparatus, Inc. – P500	196
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	201
Formed Aluminum Body	
All Stainless Steel Welded Body	
Spartan Chassis	
Ferrara Fire Apparatus, Inc. – P500	204
Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	
HME Chassis	
Ferrara Fire Apparatus, Inc. – P500	207
Formed Aluminum Body	
Extruded Aluminum Body	
All Stainless Steel Welded Body	
Specification #14 – 27' NFPA 1925 Compliant Class C	
Marine Fire/Rescue Boat.....	210
No Bids Submitted	
Mears Motor Leasing	213

MEMO



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>

DATE: September 29, 2005

TO: **ALL PROSPECTIVE PARTICIPANTS**

FROM: Gary E. Perkins Lynn Meek Peggy Goff
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.

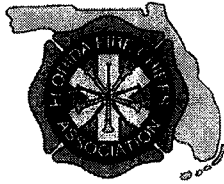
This contract is good from October 1, 2005 thru September 30, 2006.

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	All Zones
BASE PRICE:	\$170,629.00	\$180,129.00
BODY:	Aluminum Body	Stainless Steel Body
MANUFACTURER:	Ten-8 Fire Equipment, Inc.	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:	All Zones	All Zones
BASE PRICE:	\$170,629.00	\$180,129.00
BODY:	Aluminum Body	Stainless Steel Body
MANUFACTURER:	Ten-8 Fire Equipment, Inc.	Ten-8 Fire Equipment, Inc.

Order Code	Delete Options	All Zones
00006	Performance bond (per \$1,000.00)	\$ 2.25
IH4400	Two-door commercial chassis in lieu of custom cab – bidder to provide exact model and chassis specification with bid	\$ 42,456.00
IH4401	Four-door commercial chassis in lieu of custom cab – bidder to provide exact model and chassis specification with bid	\$ 33,457.00

Order Code	Add Options	All Zones
22252	Bumper hose tray	\$ 341.00
22340	Front bumper mounted 12,000 pound electric winch, aluminum diamond plate cover, 15' tether control, chain compartment with lid	\$ 5,670.00
66052	Bumper recessed 24" Grover or equal air horns, pair, with dual foot switches	\$ 899.00
60332	370 horsepower engine, Jake brake	\$ 6,197.00
60297	400 horsepower engine, Jake brake	\$ 7,384.00
50220*	430 horsepower engine, Jake brake – incl. dash chassis upgrade	\$ 82,397.00
50220-1*	450 horsepower engine, Jake brake – incl. dash chassis upgrade	\$ 82,965.00
50220-2*	500 horsepower engine, Jake brake – incl. dash chassis upgrade	\$ 83,252.00
01332	Fuel water separator with light and alarm in cab	\$ 744.00
	65 gallon fuel tank	Std.
01128	Wire braided reinforced fuel lines	\$ 574.00
26217	16" raised roof cab	\$ 1,542.00
22352	2 additional SCBA seat rear of cab, fixed position, with SCBA bracket	\$ 1,177.00
02501	Map box console	\$ 586.00
04258	EMS box in cab	\$ 2,357.00
	1" insulation package in cab headliner, side walls, rear wall and under cab floor	Std.
	Upgrade air conditioning to dual systems with separate front & rear controls	Std.
90155	Upgrade chassis and body clearance lights to LED	\$ 453.00
36197	Two tone cab paint	\$ 707.00
19675	Aluminum wheels in place of steel	\$ 3,468.00
01952	Stainless steel wheel covers	\$ 1,222.00
02181	Bus style mirrors, heated remote control	\$ 1,611.00
32129	Heated remote control West Coast style mirrors	\$ 943.00
34401	Add 250 gpm PTO pump – include NFPA requirements, not limited 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	\$ 39,936.00
34402	Upgrade pump package to 500 gpm pump with additional 2-1/2" discharge	\$ 44,138.00

VEHICLE:	Pierce Saber-C Encore Rescue	Pierce Saber-C Encore Rescue
ZONE:	All Zones	All Zones
BASE PRICE:	\$170,629.00	\$180,129.00
BODY:	Aluminum Body	Stainless Steel Body
MANUFACTURER:	Ten-8 Fire Equipment, Inc.	Ten-8 Fire Equipment, Inc.

Order Code	Add Options (cont'd)	All Zones
	Electronic pressure governor in place of pressure relief valves	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	\$ 591.00
31702	Upgrade pump package to 300 gallon booster tank	\$ 1,180.00
20941	Upgrade warning lights to LED - specify type & number of lights	\$ 6,030.00
20929	Upgrade warning lights to strobe - specify type & number of lights	\$ 5,382.00
16080	Federal Q2B siren with 2 foot switches	\$ 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	\$ 6,868.00
36642	110 volt electrical package #3: 6kW pto/hydraulic generator, two 500 watt telescopic quartz lights, two 20-amp twist lock receptacles, 6-place GFI breaker box	\$ 18,394.00
06672	110 volt electrical package #4: 10kW pto/hydraulic generator, two 500 watt telescopic quartz lights, two 20-amp twist lock receptacles, 12-place GFI breaker box, 3000 watt light tower, four recessed 500 watt quartz lights, electric rewind cord reel	\$ 21,149.00
66658	110 volt electrical package #5: 25kW pto generator, two 500 watt 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	\$ 21,640.00
66711	110 volt electrical package #6: 40kW pto generator, two 500 watt telescopic quartz lights, two 20-amp twist lock receptacles, 6-place GFI breaker box, 6000 watt light tower, four recessed 1000 watt quartz lights, electric rewind cord reel	\$ 23,804.00
03941	Roll up doors in place of hinged	\$ 1,900.00
03942	Adjustable shelf - each	\$ 249.00
03982	Roll out tray, 250 pound capacity - each	\$ 713.00
03982	Roll out tray, 500 pound capacity - each	\$ 713.00
03983	Roll out tray, 500 pound capacity with Jonathon slides - each	\$ 850.00
03942	Install roll out tray on adjustable track - each	\$ 713.00
03983	Roll out / tilt down equipment tray, 250 pound capacity - each	\$ 832.00
18215	SCBA storage in wheel well area - set of four (4)	\$ 1,369.00
15002	Roll out tool board, full height of compartment - each	\$ 1,028.00
43233	Underbody compartment - each	\$ 1,078.00
43189	Polypropylene equipment tray with handle, approx 12" x 24" - each	\$ 227.00
43714	Aluminum SCBA storage rack for 12 bottles - each	\$ 1,352.00
17246	Lettering package - 60 three inch high Scotchlite letters with shade or outline	\$ 738.00
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
		Specification #09 - Heavy Rescue Apparatus		\$170,629.00
1	0000002	Boiler Plates, Heavy Duty Rescue	1	\$0.00
2	0018007	Single Source Compliance	1	\$0.00
3	0028079	Match Not Required	1	\$0.00
4	0062301	Comply NFPA 1901 Changes Effective Jan 1, 2004	1	\$0.00
5	0008036	Career/Paid Department	1	\$0.00
6	0588609	Vehicle Destination, US/Export	1	\$0.00
7	0588614	Vehicle Certification, Rescue	1	\$0.00
8	0588627	Agency, Apparatus Certification, Rescue, U.L.	1	\$0.00
9	0021007	Maximum Overall Height	1	\$0.00
		Size - 140"		
10	0000007	Approval Drawing	1	\$0.00
11	0519048	Warranty, Custom Chassis, 5 year bumper to bumper, City of Miami, Bid #5245	1	\$13,426.00
12	0030006	Bid Bond not requested	1	\$0.00
13	0060006	Lance-2000 Chassis	1	\$23,570.00
14	0000109	Seating Capacity, Cab	4	\$0.00
15	0000110	Wheelbase	1	\$0.00
		Wheelbase - TBD		
16	0000070	GVW Rating	1	\$0.00
		GVW rating - 64,000lbs		
17	0000203	Frame Rails, 13.38 x 3.50 x .375, DLX/Qtm/Enf/AXT/Imp/Vel	1	\$696.00
18	0518657	Frame Liner, Inv "L" 12.68" x 3.00" x .25", DLX/Enf	1	\$1,402.66
19	0091742	Axle, Front, Oshkosh TAK-4, Non Drive, 18,000 lb, DLX/Enf/Qtm/AXT	1	\$0.00
20	0000322	Oil Seals, Front Axle	1	\$0.00
21	0087572	Shock Absorbers, KONI, on TAK-4 DLX/Qtm/AXT/Enf/Imp/Vel	1	\$0.00
22	0000350	Axle, Rear, Meritor RS24-160, 24,000 lb	1	\$163.00
23	0000469	Top Speed of Vehicle	1	\$0.00
		Top Speed of Vehicle - 61 to 64		
24	0000485	Oil Seals, Rear Axle	1	\$0.00
25	0091744	Suspension, Front TAK-4, 18,000 lb, DLX/Enf/Qtm/AXT/Imp/Vel	1	\$17,864.00
26	0010557	Suspen, Rear, Reyco, Spring, 24,000 lb	1	\$1,202.15
27	0010670	ABS Wabco Brake System, Single rear axle	1	\$0.00
28	0030185	Brakes, Knorr/Bendix 17", Disc, Frt, TAK-4, DLX/Enf/Qtm/AXT/Imp/Vel	1	\$0.00
29	0000730	Brakes, Meritor, Cam, Rear, 16.50 x 7.00"	1	\$0.00
30	0001220	Engine Brake, Jacobs	1	\$3,439.96
		Switch, Engine Brake - a) Series 60		
31	0058463	Air Compressor, Brake, Bendix 15.8 CFM	1	\$0.00
32	0000785	Brake Reservoirs, Three	1	\$0.00
33	0010787	Air Dryer, Wabco System Saver 1200	1	\$0.00
34	0000790	Brake Lines, Nylon	1	\$0.00
35	0000854	Air Inlet, w/Disconnect Coupling	1	\$303.38
		Location, Air Coupling(s) - a) DS Step Well		
36	0003155	Compressor, Air, Kussmaul 091-9 B-1 120V Brake Sys	1	\$1,019.84

		Location - high and out of the way on the front wall of compartment D5		
37	0000820	Moisture Ejector, Automatic, w/Heat	6	\$1,260.08
		Location - all		
38	0509367	S60, 470 hp, 1650 torq, w/Jake, P/N 1466820, Dash/Lance, 2006 Allocated	1	\$18,755.55
39	0031055	Air Intake, w/Ember separator, DLX	1	\$0.00
40	0002880	Exhaust System, 5" Std.	1	\$0.00
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
43	0035723	Clutch, Fan, Air Actuated, Horton Drive Master, 2002, DLX/AXT/Imp/Vel	1	\$0.00
44	0031260	Filter, DDC Fuel Pro-382, w/Heater	1	\$1,075.50
45	0001302	Heater, 1500 watt Immersion	1	\$404.21
46	0001244	High Idle w/Electronic Engine, Custom	1	\$0.00
47	0001091	Cooling Hoses, Silicone - Custom	1	\$0.00
48	0011104	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
52	0051290	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
56	0011477	Transmission, Shifter, 5-Spd, Push Button	1	\$0.00
		Trans, ratio - 4000 EVS, 5Spd		
57	0001475	Transmission Oil Cooler, Internal	1	\$0.00
58	0046369	Warranty, 5-year EVS Transmission, Standard Custom	1	\$0.00
59	0001375	Driveline, Spicer 1810	1	\$0.00
60	0030179	Steering, Sheppard M110 w/tilt, TAK-4	1	\$0.00
61	0001630	Tires, Goodyear, 385/65R22.50 18 ply G286 tread	1	\$443.46
62	0001656	Wheels, Frt, Steel 22.50" x 12.25" (385/425)	1	\$395.91
63	0506574	Tires, (4) Goodyear, 12R22.50 16ply high, G149 RSA	1	\$521.58
64	0001903	Wheels, Rr, Steel 22.50" x 8.25" (12R22.50)	1	\$31.77
65	0002045	Mud flaps, w/logo front & rear	1	\$0.00
66	0002083	Cab, Lance-2000, 3dr w/27" ext & 22" raised roof, Door Std Location, HDR	1	\$16,499.00
67	0032100	Floor, Rubber Padded Cab & Crew Cab - DLX/Enf/AXT	1	\$0.00
68	0042102	Window, Side of Crew Cab, Fixed, Lance	1	\$0.00
69	0012090	No Windows, Front/Side of raised roof	1	\$0.00
70	0012094	Windows, Delete Rear of Crew Cab	1	-\$225.01
71	0012122	Window defrost fans (2) one ea side	1	\$402.86
72	0012123	Window defrost fans (2) one ea side, crew cab	1	\$402.86
		Location - on the ceiling near the rear wall, facing forward		
73	0032269	Cabinet, Overhead 60Wx14Hx14D	1	\$628.53
74	0052298	Cabinet, Under Desk, File 18" depth	1	\$821.19
75	0072274	Chair, Command (removable)	1	\$668.28
76	0021383	Desk, L-shaped, Full Width	1	\$1,585.36
77	0032226	Light, Fluorescent, 120 Volt, Recessed Mount, Inside Cab	3	\$1,394.50
		Location - in the command area		
78	0082299	Shelf, Under Desk, Printer Mount	1	\$245.75
		Location - TBD		
79	0052226	Switch, Interior Lights, 120 Volt AC/12V Switch to Relay	1	\$208.50
		Inter Light Switch 12V - One Rocker		
80	0062270	Weather Station, Weatherpak-400	1	\$19,040.69
81	0022273	Compt, Air Bottle One Side w/27" Extended	1	\$2,092.43
82	0099178	Controls, Cab Doors, Electric Door Locks and Windows, Custom	1	\$1,878.80
83	0077229	Logo/Emblem, on Horn Button	1	\$0.00
		Text, Row Three - D		

		Text, Row Two - B		
		Text, Row One - T		
84	0094002	Grille, Bright Finished, Formed, Front of cab,w/ Front Trim Band, DLX	1	\$774.01
85	0005772	Fenders, S/S on cab, w/Radius corner, 2.00" wide	1	\$117.80
86	0087357	Molding, Chrome on side of cab	1	\$0.00
87	0055141	Cab Lift, Elec/Hyd, DLX/Enf/AXT/QX, w/Remote, w/Manual Override	1	\$0.00
88	0002190	Mirrors, Velvac, West Coast,	1	\$0.00
89	0012200	Mirror, 8" Round Convex Below West Coast	1	\$0.00
90	0012246	Bumper, 22" extended - all chassis'	1	\$181.29
91	0012225	Gravel Pan, Extended Bumper	1	\$0.00
92	0002007	Tow Eyes, Painted, Below Deck	1	\$277.18
93	0018017	Cab Interior vinyl - (w/Padded liner Pkg), DLX	1	\$664.95
		Color, Cab Interior Vinyl - a) Silver/Gray		
94	0012430	Cab Interior, paint color	1	\$0.00
		Color, Cab Interior Paint - a) gray		
95	0092424	Grab Handles, Driver & Officer door post	1	\$0.00
96	0046245	Seat, Driver 911 Sciss Action Air Ride, Hi-Back, w/Removable Back	1	\$161.96
97	0042350	Seat, Officer 911 Sciss Air Susp, High Back, All Chassis	1	\$120.95
98	0002517	(No Radio Compartment)	1	\$0.00
99	0012399	[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		
101	0072361	No SCBA Brackets Required In Cab Seats	3	-\$221.98
102	0033498	Seat Belts, Red	1	\$0.00
103	0021754	Seat, Belt, Height Adjustment	1	\$0.00
104	0032402	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	1	\$970.68
		Location - Outboard one each side rear wall crew cab		
106	0053021	Side Roll Protection Package Not Required	1	\$0.00
107	0019914	Warranty, Cab (Sab/DLX/Enf/AXT/Qtm w/fixed step/IMP/VEL)	1	\$0.00
108	0012527	Lights, Engine Compt, (2), All Custom Chassis	1	\$0.00
109	0022733	Lights, Cab Inter, Officer and Driver Side, w/Weldon Dome Lights	1	\$112.24
110	0020583	Lights, Weldon, Dome, (2), C/C, Red/Clear	1	\$0.00
111	0012288	Heater/defroster, DLX/Enf	1	\$0.00
112	0002293	No Heater in Crew Cab	1	\$0.00
113	0013090	Air Conditioning, LX, With Raised Roof, Standard '99 AC Pkg	1	\$588.85
114	0091293	3rd Evaporator Pkg, To increase performance, DLX/Enf/Qtm	1	\$1,243.53
115	0056077	Air conditioning, Coleman Polar Mach, 120V, Cab Roof, 10.63" High (Cool Only)	1	\$1,901.75
116	0526173	Cab Instruments, DLX, Color Display	1	\$1,716.26
117	0018987	Air Restriction Indicator - DLX	1	\$0.00
118	0012630	Wiper control, 2-speed w/intermittent, DLX/Enf/AXT	1	\$0.00
119	0032551	Light, Indicator, Cab Lock Downs, "Not Engaged"	1	\$279.24
120	0551204	Radiation Detection System, Vehicle Mntd, Victoreen 1060 AM-V, San Fran Airport	1	\$8,372.49
121	0057521	Radio, Panasonic w/CD and NOAA Weatherband	1	\$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	0039451	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	0003757	Antenna, Std and Add'l Mts Only, 2-way Radio,Cust,Spl Cable Routing	7	\$1,028.60
		Location 1 - as shown on the print		
		Location - the six will be mounted to the command desk. one above officers seat will be routed to officer		

124	0002549	Switching, Cab Instrument & Overhead, Membrane	1	\$0.00
		Location, Emerg Switch - a) driver's		
125	0035738	Command Zone, Advanced Electronics and Control System, DLX	1	\$1,005.85
126	0090515	Hitch, Receiver, Front, Custom Chassis	1	\$614.19
127	0090523	Winch, Warn, 9,000 lb. Portable Receiver Type	1	\$1,672.22
128	0098841	Batteries, (6) Deka Grp 31, 1000 CCA each, Threaded Stud	1	\$838.17
129	0008621	Battery System, Single Start, All Custom Chassis	1	\$0.00
130	0012696	Battery Compartment, Lan 3dr/No door command cab	1	\$1,125.77
131	0091826	Charger, Sngl system, 75 AMP, Charger and Power Supply	1	\$1,132.62
132	0012782	Location, Charger, Front left body compt	1	\$0.00
		Location - adjacent to the compressor in D5		
133	0002724	Battery "On" Indicator (Center Marker Lt)	1	\$140.12
134	0009429	Electric Power Only, Portable Winch	4	\$537.98
		Location - each side of the unit. front, rear, right and left. The front shall be located in the hydraulic connection compartment.		
135	0002692	Jumper Studs, Under Front Bumper	1	\$235.79
136	0012717	Kussmaul Auto-Eject Receptacle, 15amp (eng heater)	1	\$304.50
		Location - above the front DS wheel		
		Color, Kussmaul Cover - c) white		
137	0012726	Light, Battery Charging Receptacle "Charging" Indicator	1	\$239.83
138	0063137	Alternator, 400 amp Niehoff C656	1	\$2,256.00
139	0012739	Terminal Strip (12VDC), (5) w/grd, "Battery Direct	2	\$479.66
		Location - command desk		
140	0033014	Wiring, Spare, Pair, Each, Third Circuit	2	\$227.00
		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	\$196.00
		Location - TBD		
		12vdc power from - b)switched battery		
		Fuse, 12VDC - d)20 amp breaker		
		Wire termination - t) terminal strip		
142	0090316	Wiring, Spare, Pair, Each, Second Circuit	2	\$227.00
		Location - TBD		
		12vdc power from - a) battery direct		
		Fuse, 12VDC - c)15 amp breaker		
		Wire termination - p) 15 amp power point plug		
143	0092582	Load Manager/Sequencer, MUX	1	\$0.00
		Enable/Disable Hi-Idle - e)High Idle enable		
144	0024056	Amp Draw Report, NFPA 2003 Edition	1	\$0.00
145	0002758	Amp Draw, NFPA Radio Allowance	1	\$0.00
146	0095701	Cab Lighting, LED, DLX	1	\$520.44
147	9902669	Front Directionals, Whelen 600 Arrow LED w/Cast1L Bezel, Below Headlights	1	\$163.94
148	0095044	No Lights Req'd, Front Zone Low, DLX	1	\$0.00
149	0077011	Light, Front Zone, Whelen Super 600 LED, 2pr, Q Bezel, Qtm/Enf/AXT	1	\$841.18
		Color, Whln Sup600 LED,OUT - a) rd/rd		
		Color, Whln Sup600 LED,INN - a) rd/rd		
150	0005910	Alarm, Back-up Warning, ECCO SA917-PM2	1	\$0.00
151	0081665	Camera, Safety Vision, SV-CLCD65-620, Kit, 6.8 LCD Color Monitor, Audio	1	\$1,685.61
		Location - center dash		
152	0031972	Manuals, Two (2), Fire Apparatus Parts, Custom Chassis	1	\$0.00
153	0002905	Manuals, Two (2) Chassis Service, Custom	1	\$0.00
154	0032433	Manuals, Two (2) Chassis Operation, Custom	1	\$0.00
155	0095863	Warranty, Command Zone Components, Chassis, 5 years	1	\$0.00
156	0038115	Electrical Diagrams, 12V As-Built on CD, Custom Chassis HDR/Aerial	1	\$3,808.00

		Diagrams, Hard Copy - One hard copy		
		Mult Trk Cr, Cust HDR/Aer - Two (2) Truck Order		
157	0019030	HDR, Non-Walkin, Aluminum	1	\$15,784.00
158	0020796	22.5' Body Length, 36.48.48.57.60, NWI	1	\$0.00
159	0018374	98" Body Height, NWI	1	\$3,927.36
160	0018423	98" Height, Straight Roof, NWI	1	\$0.00
161	0041755	22.5' Body Roll Doors, 36.48.48.57.60, NWI, Gortite	5	\$329.59
		Latch, Gortite, Roll-up - locking, match all comp.		
		Color, Gortite, Roll-up Door - Satin finish		
162	0010553	Left Forward Compt, 36" & 48" & 48" Roll, NWI	1	\$24,761.00
163	0018724	Left Over Wheel Compt, 57", Roll, NWI	1	\$0.00
164	0018752	Left Rear Compt, 60" Roll, NWI	1	\$5,310.14
165	0013087	Right Forward Compt, 36" & 48" & 48", Roll, NWI	1	\$0.00
166	0018816	Right Over Wheel Compt, 57" Roll, NWI	1	\$0.00
167	0018844	Right Rear Compartment, 60" Roll, NWI	1	\$0.00
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-up Door - Satin finish		
169	0087244	MODIFICATION, Hatch Covers, Install D-Ring Handles IPO Plunger/Sockets	1	\$350.65
		Location - roof hatch compartments		
170	0074506	No Switch (74505) Required, HDR-NW	1	\$0.00
171	0503018	A/C, Roof Mounted, Carrier w/ Heat, Low Profile, 7.5" H, AirV Model	2	\$4,645.97
172	0085776	Mast, Will-Burt, 6-25 Mast Only for Camera, w/D-Tect System, Heavy Duty	1	\$11,685.00
		Color, Solid Surface - *		
		Location - Rear body		
173	0120961	Ikegami Camera w/ Pelco Enclosure	1	\$6,902.74
		Location - Rear body DS		
174	0513920	Monitor, Liquid Crystal Display (LCD), 15"	2	\$1,896.26
		Location - Crew Cab		
175	0045066	Aluminum 4-way, Body Corners, 20" High, pair	1	\$621.87
		Location - rear		
176	0075067	Aluminum 4-way, Body Rear, 6" High	1	\$234.44
177	0052173	Awning, Side of Body, Zip Dee Brand	2	\$4,698.18
		Location - Each side of body		
		Color - 17) burgundy		
178	0090566	Hitch, Receiver, Rear/Sides, Through Body, Includes Ball	1	\$1,531.73
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	0059776	Rack, Tool Boxes on Slide Master Tray, 62" Deep	1	\$2,152.57
		Configuration - 3 deep by 2 high, front and rear		
		Location - compartment P3		
183	0043942	Shelf, Adjustable, Alum	6	\$670.98
		Location - three in compartment P4 to the rear of the vertical divider and three shipped loose for 16129-01		
184	0519019	Storage Cabinet, for 5-Gal Bucket w/Latching Container, Sealed	1	\$970.10
		Dimensions - Large enough for 5 gallon bucket		
		Location - Body compt.		
185	0064104	Tool Board, Slide-Out, .188" Alum, 62" Long	4	\$3,661.00
		Location - TBD		
186	0054092	Tool Board, Swing Out, 188" Alum	2	\$2,122.08

		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.		
187	0045043	Tray, Slide Out, Floor Mounted, (500 lb)	3	\$2,479.80
		Location - One in P5, D5, and D1		
188	0045053	Tray, Tilt, Slide Out, 22.00", 30 deg. (200 lb)	3	\$2,334.28
		Location - compartment D2, D3, D1		
189	0045068	Bumper, Rear Non- Walkin 13.00" D x 90.00" W	1	\$0.00
190	0028107	No Foam Cell	1	\$0.00
191	0079897	Tow Eyes, Four Each Side, Direct to Cpt. Platform, Under Body, HDR	1	\$1,064.64
192	0089026	Box, Poly Tool, 22"L x 10" W x 10" D	10	\$2,158.39
		Location - TBD		
193	0034000	Louver, Additional, Per Compt	10	\$929.67
		Location - in the recessed walkway for the hatch compartments		
194	0024016	Rubrail, Alum Extruded, Side & Rear of Body	1	\$198.86
195	0004027	Rear Fender Crowns, S/S, Two Pair	1	\$1,223.36
196	0519848	Hose, Hard Suction, Not Required, No Pump	1	\$0.00
197	0074210	Compt, Air Bottle in Fender Panel, Dbl Wide	8	\$4,572.00
		Location, Bracket/comp. - frt/tr both sides		
198	0024210	Storage Bin, Air Bottle	8	\$1,002.43
		Configuration - TBD Miami		
		Location, Bracket/comp. - City of Miami 1 hour bottle holder 8		
199	0074248	No Folding Ladder Req'd	1	\$0.00
200	0004375	Bell, 12" Chrome w/Eagle	1	\$1,315.95
		Location, Acc. Misc. - b) passenger's side		
201	0044067	Step, HDR Pull-Out Rear	1	\$0.00
		Location - Center		
202	0043105	No Pump Required	1	\$0.00
203	0090789	No Plumbing Required, No Pump	1	\$0.00
204	0089437	Plumbing without Foam System	1	\$0.00
205	0046370	Warranty Not Req'd, No Plumbing	1	\$0.00
206	0074685	Inlet Installation Not Req'd	1	\$0.00
207	0064700	No Inlet Control Req'd	1	\$0.00
208	0025045	No 2.5" Outlets Req'd On The Driver's Side	1	\$0.00
209	0021143	No Outlet Req'd RH Side	1	\$0.00
210	0046382	No Large Diameter Discharge, No Pump	1	\$0.00
211	0044333	No Foam System Required	1	\$0.00
212	0509094	CAF Compressor Not Required, No Foam System	1	\$0.00
213	0042573	Foam System Demonstration Not Required	1	\$0.00
214	0045465	No Foam Tanks Required	1	\$0.00
215	0091110	No Foam Tank Drain	1	\$0.00
216	0091079	No Foam Tank #2 Required	1	\$0.00
217	0091112	No Foam Tank Drain	1	\$0.00
218	0518339	No Pump House Required, Rescue	1	\$0.00
219	0000261	Pump Panel Layout Not Req'd	1	\$0.00
220	0030701	Panel, Pump and Gauge, Material Not Req'd, No Panel	1	\$0.00
221	0092531	Pump House Structure, N/A	1	\$0.00
222	0002624	No Chassis Engine Gauges @ Pump Panel	1	-\$304.33
223	0511078	Gauges, 4" Master - Class 1, 30"-0-600psi	1	\$0.00
224	0511100	Gauge, 2.0" Pressure - Class 1, 30"-0-400psi	1	\$0.00
225	0006774	No Foam Level Gauge Req'd	1	\$0.00
226	0046280	No Light Shield, No Pump	1	\$0.00
227	0005896	Wiring, DLX/QX	1	\$0.00
228	0039286	Lights, Step (4), Truck-Lite, LED Model 44 w/ 60 Degree Bezel	1	\$371.89
229	0039828	Lights, Tail, Whelen 60R00XRR LED Stop/Tail, 60A00TAR Amber, LED, Pop Arrow Dir	1	\$674.32

		Flange Kit, 2pr - w/with a flange		
230	0062985	Lights, Backup, Whelen 600, LED,maximum	1	\$902.13
		Flange Kit, Whelen 6E - w/o)6E or 64 Flange Kit		
231	0090155	Lights, Identification/Clearance, Rear, Truck-Lite, 35 LED	1	\$171.58
232	0012461	Light, Map w/Goose Neck, Sunnex w/Clear lens	5	\$983.57
		Location - one (1) next to the "A" post on the officer's side of the dash, four (4) on the command desk		
233	0037182	Light, Marker End Outline, Rubber Arm, Marker Lamp	1	\$108.45
		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
235	0064768	Light, Directional/Marker, Intermediate Light, Truck-Lite Model 30 LED, IPO, MUX	1	\$197.57
236	0004624	Light & Buzzer, Do not move apparatus, Custom	1	\$83.54
237	0092565	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
		Location - Two each compt		
239	0059670	Lights, Compt, Truck-Lite 44207C, LED Additional, Adj Track Mounts	9	\$1,086.00
		Location, lights - one each compt.		
240	0091941	Perimeter Scene Lights, Cab Exit Areas, Trucklite 44042C, LED	1	\$607.23
		Cab, Perimeter Scene - Cab, 3dr Custom		
241	0045944	Lights, Perimeter scene, (6) under Body	1	\$736.23
		Switch, Location, Perim - cab & rear of body		
242	0067790	Lights, Scene, Whelen 900 Gradient Opti-Scene	4	\$1,718.00
		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
		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
245	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
251	0016133	Location, Electronic Siren, Swivel Mount Centered Overhead	1	\$0.00
252	0006145	Switches, Horn Button and Officer Toe - For Elect Siren	1	\$0.00
253	0006763	Speaker, Cast Product SH3015, recess bumper, KwT300	2	\$909.11
		Connection, Speaker - siren head		
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		
256	0077410	Lights, Side, Whelen, Super 900 LED®	1	\$719.43
		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	\$1,967.02

		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	\$904.61
		Location, lights rear - Low in bezel		
		Location, lights mid - rear cab area		
		Color, Whln Sup600 LED,MID - a) rd/rd		
		Color, Whln Sup600 LED,FRT - a) rd/rd		
		Color, Whln Sup600 LED,BCK - a) rd/rd		
		Location, lights frt side - b)each side bumper		
		Flange Kit, 3pr - w/3 pr flange kits		
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, 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	\$4,407.00
		Location - TBD		
		Color, Whln Sup900 LED,FRT - a) rd/rd		
		Color, Whln Sup900 LED,BCK - e) bl/bl		
		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		
262	0006551	Lights, No lights Req'd, Rear Upper Zone Blocking	1	\$0.00
263	0006646	Electrical System, A/C, General Design	1	\$0.00
264	0551423	Onan Protec 30 kW, 1PH, PTO Drive w/XRT PTO (30,000W Cont. Rating)	1	\$14,361.00
265	0016645	Location, PTO Generator, Between the Frame Rails	1	\$0.00
266	0016752	Starting Switch for Truck Engine Powered Generator	1	\$0.00
267	0016757	Remote Start Not Req'd for Generator	1	\$0.00
268	0016740	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	6	\$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
		Location, 120/240 Volt Lt - TBD		
		Location - TBD		
277	0066627	Reel, Elec Four (4) Wire - Hannay 1600 Series	2	\$4,043.17
		Location, Cord Reel - one (1) in compartment D1 and one (1) in compartment P5		
		Reel Guide - b) Captive roller		
278	0086632	Cord, Electric, 10/4 Yellow	2	\$1,793.79
		Connection, Cord - 20 amp connector		
		Feet of Yellow Cord - e)200		
279	0006822	Box, Junction - D. Woodhead 3290-3, 4-120TL, 20 A	2	\$1,856.65
		Connection, Cord - direct		
280	0006824	Holder, Junction Box	2	\$687.15
		Location - same compartment as the electric reels		

281	0086799	Receptacle, 15A 120V 3-Prong, Str Blade W/Cvr, Duplex	3	\$699.27
		Location, Receptacles - side by side against the back wall of compartment P4 in the right middle pelican box rack		
282	0076629	Receptacle, 15A 120V 3 Prong Str Blade Duplex, Shoreline Int	12	\$2,780.93
		Location, Receptacles - Cab		
283	0006790	Receptacle, 20A 120V 3-Prong Twistlock	4	\$932.37
		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		
284	0006795	Receptacle, 20A 220V 3 Prong Twist-Lock	2	\$1,079.23
		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	\$231.74
		Location, Receptacles - forward wall of compartment D4		
286	0507624	Shoreline, Kussmaul Auto Eject, 30 amp "Super"	1	\$624.91
		Connection, Shoreline - TBD		
		Color, Kussmaul Cover - b) red		
287	0026800	Shoreline Location	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	Switch, Auto Transfer, Up to 30Amp	1	\$485.44
		Connection, Transfer Swit - TBD		
291	0026890	Reel, Tool Air, Low Press from Cascade w/150' Blue Hose	1	\$1,984.31
		Location - Body compt. TBD		
		Reel Guide - a) Nylatron guide		
292	0519934	Brand, Hydraulic Tool System, Not Req'd	1	\$0.00
293	0007008	Hose, Hydra., Blu/Blu Holmatro 12', P.U.to Reel	1	\$942.87
294	0061068	Hose, Hydra., Polyflex, 30'-40', 10K, (Mineral Oil), P.U.to Reel	1	\$1,089.34
		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		
295	0006990	Reel, Hyd, 100' Cap., .25" Dual Hose(Hannay) (Any Make Tool)	1	\$1,689.57
		Brand, Model, of Equip - TBD		
		Location - TBD by customer		
		Reel Guide - b) Captive roller		
296	0007150	Bag of Nuts and Bolts	1	\$0.00
		Qty, Bag Nuts and Bolts - 1		
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	Warranty, 10 Year Standard Paint	1	\$0.00
300	0007234	Compartment, Unpainted, D/A Finished	1	\$0.00
		Location - all compartments		
301	0068338	Reflective Band, 1"-6"-1"	1	\$440.31
		Color, Reflect Band - A - i) gold		
		Color, Reflect Band - B - t) gold		
		Color, Reflect Band - C - w) white		
302	0007356	Reflective across Cab Face	1	\$0.00
303	0065687	Stripe, Reflective, Cab Doors Interior	1	\$0.00
		Color, Reflective - k) light blue		
304	0030076	Lettering Specifications, Vinyl/Painted	1	\$0.00
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

		Location - per print		
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
312	0000502	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
315	0000000	Inspection Trips 3	1	INCLD
316				
			Total:	\$564,576.53

Florida Sherrif's Association Fire Rescue Bid 05 06 0823



Component List

7/3/2007

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
Job Number:




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	1
12	0030006		Bid Bond not requested	1
13	0060006		Lance-2000 Chassis	1
14	0000109		Seating Capacity, Cab	4
15	0000110		Wheelbase 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
35	0000854		Air Inlet, w/Disconnect Coupling Location, Air Coupling(s) - a) DS Step Well	1
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

Line	PRIDE #	Type	Component	Qty
37	0000820		Moisture Ejector, Automatic, w/Heat Location - all	6
38	0509367	PSC	S60, 470 hp, 1650 torq, w/Jake, P/N 1466820, Dash/Lance, 2006 Allocated	1
39	0031055		Air Intake, w/Ember separator, DLX	1
40	0002880		Exhaust System, 5" Std.	1
41	0049772		Insulation, Exhaust Blanket, Delivery Pipe	1
42	0511982	PSC	2006 Engine Allocation, Approval to Extend Reservation, per Sharon Moeller	1
43	0035723		Clutch, Fan, Air Actuated, Horton Drive Master, 2002, DLX/AXT/Imp/Vel	1
44	0031260		Filter, DDC Fuel Pro-382, w/Heater	1
45	0001302		Heater, 1500 watt Immersion	1
46	0001244		High Idle w/Electronic Engine, Custom	1
47	0001091		Cooling Hoses, Silicone - Custom	1
48	0011104		Radiator, DLX/Enf	1
49	0001125		Fuel Tank, 65 gal	1
50	0001129		Lines, Fuel	1
51	0001280		Fuel Pump for Repriming	1
52	0051290		Label, "Diesel Fuel Only". Location - one each side	1
53	0001292		Shutoff Valves (2), Fuel Line @ Filter	1
54	0010931		Driveline Safety Loop	2
55	0099727		Trans, Allison Gen IV 4000 EVS P	1
56	0011477		Transmission, Shifter, 5-Spd, Push Button Trans, ratio - 4000 EVS, 5Spd	1
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 Location - on the ceiling near the rear wall, facing forward	1
73	0032269		Cabinet, Overhead 60Wx14Hx14D	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 Location - in the command area	3
78	0082299		Shelf, Under Desk, Printer Mount Location - TBD	1
79	0052226		Switch, Interior Lights, 120 Volt AC/12V Switch to Relay Inter Light Switch 12V - One Rocker	1
80	0062270		Weather Station, Weatherpak-400	1
81	0022273		Compt, Air Bottle One Side w/27" Extended	1
82	0099178		Controls, Cab Doors, Electric Door Locks and Windows, Custom	1



Line	PRIDE #	Type	Component	Qty
83	0077229		Logo/Emblem, on Horn Button Text, Row Three - D Text, Row Two - B Text, Row One - T	1
				
84	0094002		Grille, Bright Finished, Formed, Front of cab,w/ Front Trim Band, DLX	1
85	0005772		Fenders, S/S on cab, w/Radius corner, 2.00" wide	1
86	0087357		Molding, Chrome on side of cab	1
87	0055141		Cab Lift, Elec/Hyd, DLX/Enf/AXT/QX, w/Remote, w/Manual Override	1
88	0002190		Mirrors, Velvac, West Coast,	1
89	0012200		Mirror, 8" Round Convex Below West Coast	1
90	0012246		Bumper, 22" extended - all chassis'	1
91	0012225		Gravel Pan, Extended Bumper	1
92	0002007		Tow Eyes, Painted, Below Deck	1
93	0018017		Cab Interior vinyl - (w/Padded liner Pkg), DLX Color, Cab Interior Vinyl - a) Silver/Gray	1
94	0012430		Cab Interior, paint color Color, Cab Interior Paint - a) gray	1
95	0092424		Grab Handles, Driver & Officer door post	1
96	0046245		Seat, Driver 911 Sciss Action Air Ride, Hi-Back, w/Removable Back	1
97	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 Color, Cab Interior Vinyl - h) Gray/Black	1
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 Location - Center rear wall between outboard fold downs	1
105	0012400		Seat, Fold Up, Lance 6-man cab, Pair Location - Outboard one each side rear wall crew cab	1
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
113	0013090		Air Conditioning, LX, With Raised Roof, Standard '99 AC Pkg	1
114	0091293		3rd Evaporator Pkg, To increase performance, DLX/Enf/Qtm	1
115	0056077		Air conditioning, Coleman Polar Mach, 120V, Cab Roof, 10.63" High (Cool Only)	1
116	0526173		Cab Instruments, DLX, Color Display	1
117	0018987		Air Restriction Indicator - DLX	1
118	0012630		Wiper control, 2-speed w/intermittent, DLX/Enf/AXT	1
119	0032551		Light, Indicator, Cab Lock Downs, "Not Engaged"	1
120	0551204	PSC	Radiation Detection System, Vehicle Mntd, Victoreen 1060 AM-V, San Fran Airport	1
121	0057521		Radio, Panasonic w/CD and NOAA Weatherband 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	1
122	0039451		Radio, Installation Only, Customer Furnished, Two-Way Mobile Location - to be determined	2

Line	PRIDE #	Type	Component	Qty
			Radio, 2-Wy, Single or Du - Dual 2-way radio head	
123	0003757		Antenna, Std and Add'l Mts Only, 2-way Radio,Cust,Spl Cable Routing Location 1 - as shown on the print Location - the six will be mounted to the command desk. one above officers seat will be routed to officer	7
				
124	0002549		Switching, Cab Instrument & Overhead, Membrane Location, Emerg Switch - a) driver's	1
125	0035738		Command Zone, Advanced Electronics and Control System, DLX	1
126	0090515		Hitch, Receiver, Front, Custom Chassis	1
127	0090523		Winch, Warn, 9,000 lb. Portable Receiver Type	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	1
131	0091826		Charger, Sngl system, 75 AMP, Charger and Power Supply	1
132	0012782		Location, Charger, Front left body compt Location - adjacent to the compressor in D5	1
133	0002724		Battery "On" Indicator (Center Marker Lt)	1
134	0009429		Electric Power Only, Portable Winch Location - each side of the unit. front, rear, right and left. The front shall be located in the hydraulic connection compartment.	4
135	0002692		Jumper Studs, Under Front Bumper	1
136	0012717		Kussmaul Auto-Eject Receptacle, 15amp (eng heater) Location - above the front DS wheel Color, Kussmaul Cover - c) white	1
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 Location - command desk	2
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	2
141	0090207		Wiring, Spare, Pair, Each Location - TBD 12vdc power from - b)switched battery Fuse, 12VDC - d)20 amp breaker Wire termination - t) terminal strip	2
142	0090316		Wiring, Spare, Pair, Each, Second Circuit Location - TBD 12vdc power from - a) battery direct Fuse, 12VDC - c)15 amp breaker Wire termination - p) 15 amp power point plug	2
143	0092582		Load Manager/Sequencer, MUX Enable/Disable Hi-Idle - e)High Idle enable	1
144	0024056		Amp Draw Report, NFPA 2003 Edition	1
145	0002758		Amp Draw, NFPA Radio Allowance	1
146	0095701		Cab Lighting, LED, DLX	1
147	9902669		Front Directionals, Whelen 600 Arrow LED w/Cast 1L Bezel, Below Headlights	1
148	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 Color,Whln Sup600 LED,OUT - a) rd/rd Color,Whln Sup600 LED,INN - a) rd/rd	1
150	0005910		Alarm, Back-up Warning, ECCO SA917-PM2	1

Line	PRIDE #	Type	Component	Qty
151	0081665		Camera, Safety Vision, SV-CLCD65-620, Kit, 6.8 LCD Color Monitor, Audio Location - center dash	1
152	0031972		Manuals, Two (2), Fire Apparatus Parts, Custom Chassis	1
153	0002905		Manuals, Two (2) Chassis Service, Custom	1
154	0032433		Manuals, Two (2) Chassis Operation, Custom	1
155	0095863		Warranty, Command Zone Components, Chassis, 5 years	1
156	0038115		Electrical Diagrams, 12V As-Built on CD, Custom Chassis HDR/Aerial Diagrams, Hard Copy - One hard copy Mult Trk Cr, Cust HDR/Aer - Two (2) Truck Order	1
157	0019030		HDR, Non-Walkin, Aluminum	1
158	0020796		22.5' Body Length, 36.48.48.57.60, NWI	1
159	0018374		98" Body Height, NWI	1
160	0018423		98" Height, Straight Roof, NWI	1
161	0041755		22.5' Body Roll Doors, 36.48.48.57.60, NWI, Gortite Latch, Gortite, Roll-up - locking, match all comp. Color,Gortite,Roll-upDoor - Satin finish	5
162	0010553		Left Forward Compt, 36" & 48" & 48" Roll, NWI	1
163	0018724		Left Over Wheel Compt, 57", Roll, NWI	1
164	0018752		Left Rear Compt, 60" Roll, NWI	1
165	0013087		Right Forward Compt, 36" & 48" & 48", Roll, NWI	1
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 Latch, Gortite, Roll-up - locking, match all comp. Color,Gortite,Roll-upDoor - Satin finish	1
169	0087244	PSC	MODIFICATION, Hatch Covers, Install D-Ring Handles IPO Plunger/Sockets Location - roof hatch compartments	1
170	0074506		No Switch (74505) Required, HDR-NW	1
171	0503018		A/C, Roof Mounted, Carrier w/ Heat, Low Profile, 7.5" H, AirV Model	2
172	0085776	PSC	Mast, Will-Burt, 6-25 Mast Only for Camera, w/D-Tect System, Heavy Duty Color, Solid Surface - * Location - Rear body	1
173	0120961		Ikegami Camera w/ Pelco Enclosure Location - Rear body DS	1
174	0513920		Monitor, Liquid Crystal Display (LCD), 15" Location - Crew Cab	2
175	0045066		Aluminum 4-way, Body Corners, 20" High, pair Location - rear	1
176	0075067		Aluminum 4-way, Body Rear, 6" High	1
177	0052173		Awning, Side of Body, Zip Dee Brand Location - Each side of body Color - 17)burgundy	2
178	0090566		Hitch, Receiver, Rear/Sides, Through Body, Includes Ball	1
179	0033977		Ladder, Access, Zico Quic-Ladder, Model RL-2-6 Location - Center rear body	1
180	0043762		Compt, Divider, Vertical Location - TBD, by customer	3
181	0519143	PSC	Rack, Haz-Mat Suit Storage 62" Dp, Eight Suits Dimensions - Room for eight suit's TBD Configuration - TBD Location - DS body	1
182	0059776	PSC	Rack, Tool Boxes on Slide Master Tray, 62" Deep Configuration - 3 deep by 2 high, front and rear	1



Line	PRIDE #	Type	Component	Qty
			Location - compartment P3	
183	0043942		Shelf, Adjustable, Alum	6
			Location - three in compartment P4 to the rear of the vertical divider and the	
			shipped loose for 16129-01	
184	0519019	PSC	Storage Cabinet, for 5-Gal Bucket w/Latching Container, Sealed	1
			Dimensions - Large enough for 5 gallon bucket	
			Location - Body compt.	
185	0064104		Tool Board, Slide-Out, .188" Alum, 62" Long	4
			Location - TBD	
186	0054092		Tool Board, Swing Out, 188" Alum	2
			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.	
187	0045043		Tray, Slide Out, Floor Mounted, (500 lb)	3
			Location - One in P5, D5, and D1	
188	0045053		Tray, Tilt, Slide Out, 22.00", 30 deg. (200 lb)	3
			Location - compartment D2, D3, D1	
189	0045068		Bumper, Rear Non- Walkin 13.00" D x 90.00" W	1
190	0028107		No Foam Cell	1
191	0079897	PSC	Tow Eyes, Four Each Side, Direct to Cpt. Platform, Under Body, HDR	1
192	0089026		Box, Poly Tool, 22"L x 10" W x 10" D	10
			Location - TBD	
193	0034000		Louver, Additional, Per Compt	10
			Location - in the recessed walkway for the hatch compartments	
194	0024016		Rubrail, Alum Extruded, Side & Rear of Body	1
195	0004027		Rear Fender Crowns, S/S, Two Pair	1
196	0519848		Hose, Hard Suction, Not Required, No Pump	1
197	0074210		Compt, Air Bottle in Fender Panel, Dbl Wide	8
			Location, Bracket/comp. - frt/rr both sides	
198	0024210		Storage Bin, Air Bottle	8
			Configuration - TBD Miami	
			Location, Bracket/comp. - City of Miami 1 hour bottle holder 8	
199	0074248		No Folding Ladder Req'd	1
200	0004375		Bell, 12" Chrome w/Eagle	1
			Location, Acc. Misc. - b) passenger's side	
201	0044067		Step, HDR Pull-Out Rear	1
			Location - Center	
202	0043105		No Pump Required	1
203	0090789		No Plumbing Required, No Pump	1
204	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
209	0021143		No Outlet Req'd RH Side	1
210	0046382		No Large Diameter Discharge, No Pump	1
211	0044333		No Foam System Required	1
212	0509094		CAF Compressor Not Required, No Foam System	1
213	0042573		Foam System Demonstration Not Required	1
214	0045465		No Foam Tanks Required	1
215	0091110		No Foam Tank Drain	1
216	0091079		No Foam Tank #2 Required	1
217	0091112		No Foam Tank Drain	1
218	0518339		No Pump House Required, Rescue	1



Line	PRIDE #	Type	Component	Qty
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	1
222	0002624		No Chassis Engine Gauges @ Pump Panel	1
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, Pop Arrow Dir	1
			Flange Kit, 2pr - w/with a flange	
230	0062985		Lights, Backup, Whelen 600, LED,maximum	1
			Flange Kit, Whelen 6E - w/o)6E or 64 Flange Kit	
231	0090155		Lights, Identification/Clearance, Rear, Truck-Lite, 35 LED	1
232	0012461		Light, Map w/Goose Neck, Sunnex w/Clear lens	5
			Location - one (1) next to the "A" post on the officer's side of the dash, four (4) on the command desk	
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 LED, IPO	1
235	0064768		Light, Directional/Marker, Intermediate Light, Truck-Lite Model 30 LED, IPO, MUX	1
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	10
			Location - Two each compt	
239	0059670		Lights, Compt, Truck-Lite 44207C, LED Additional, Adj Track Mounts	9
			Location, lights - one each compt.	
240	0091941		Perimeter Scene Lights, Cab Exit Areas, Trucklite 44042C, LED	1
			Cab, Perimeter Scene - Cab, 3dr Custom	
241	0045944		Lights, Perimeter scene, (6) under Body	1
			Switch, Location, Perim - cab & rear of body	
242	0067790		Lights, Scene, Whelen 900 Gradient Opti-Scene	4
			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
			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
245	0075992		Handheld Cab Spotlight, Specialty Lighting 2150-1	1
			Location, lights - officer side of dash, exact location to be determined	
246	0016030		Handlight, Streamlight, LiteBox, 12v, Yellow	2
			Location, lights - in the command cab inside the PS door	
247	0510970		Camera, Rear Vision, Safety Vision SV-620 Command Zone Display	1
248	0066052		Air Horns, (2) Grover in Bumper Outside Frame	1
			Location, Air Horn (bmpr) - one each side	




Line	PRIDE #	Type	Component	Qty
249	0016064		Horn Button and Pass. Side Push Button	1
250	0006125		Siren, Federal PA300MSC 100/200 Watt	1
251	0016133		Location, Electronic Siren, Swivel Mount Centered Overhead	1
252	0006145		Switches, Horn Button and Officer Toe - For Elect Siren	1
253	0006763		Speaker, Cast Product SH3015, recess bumper, KwT300 Connection, Speaker - siren head	2
254	0067164		Lightbar, Whelen, Freedom, FN**QLED, 8-R LED, 2-C LED, 2-RC LED Length, Wln Lightbar - 77"	1
255	0006507		Flasher, Headlight Alternating, DLX/QX Headlt flash deactivation - b)w/any head lights	1
256	0077410		Lights, Side, Whelen, Super 900 LED@ Location, lights - upper middle of the body Color, Whln Sup900 LED - a) rd/rd Control, light - b) side warning Flange Kit - w)with flange	1
257	0058705		Light, Traffic Directing, Rear, Whelen TAM65, LED, 36" Location, Traffic Lt Cntr - b)swivel bracket Activation, Traffic Dir L - c)with the control head Mount, Traffic Dir Lt - r)recessed	1
258	0076753		Light, Side Zone Lower, Whelen Super 600 LED, Over 25 Foot Gap, 3pr Location, lights rear - Low in bezel Location, lights mid - rear cab area Color, Whln Sup600 LED, MID - a) rd/rd Color, Whln Sup600 LED, FRT - a) rd/rd Color, Whln Sup600 LED, BCK - a) rd/rd Location, lights firt side - b)each side bumper 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	1
261	0076775		Light, Rear/Side Upper Zone, Whelen 6-Super 900 LED & 2-Super 500 LED Location - TBD Color, Whln Sup900 LED, FRT - a) rd/rd Color, Whln Sup900 LED, BCK - e) bl/bl 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	1
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 Location, CB Panel - compartment D5	1
272	0007138		Fire Research, 750W Saber/Dash/Lance Visor, S75 Focus	1
273	0017863		FRC, 750W, Tripod, Focus Lt. Head, FC600-S75, 120 volt Location, 120/240 Volt Lt - one (1) each side rear of body Type of Electrical Plug - d) 20 amp twist-lock	2



Line	PRIDE #	Type	Component	Qty
274	0026188		Fire Research, 1000W FC200 Focus, Recessed Location, 120/240 Volt Lt - two (2) on each side of the body in the upper side sheet / two at rear body	6
275	0006812		Switch, Remote for Flood Light Location - both brow lights Location, Switch - a) cab	
276	0085200		Will-Burt Night Scan Powerlite Mod NS10-9000 OPT, Dual Tilt Std. (NEW) Location, 120/240 Volt Lt - TBD Location - TBD	1
277	0066627		Reel, Elec Four (4) Wire - Hannay 1600 Series Location, Cord Reel - one (1) in compartment D1 and one (1) in compartment P5 Reel Guide - b) Captive roller	2
278	0086632		Cord, Electric, 10/4 Yellow Connection, Cord - 20 amp connector Feet of Yellow Cord - e)200	2
279	0006822		Box, Junction - D. Woodhead 3290-3, 4-120TL, 20 A Connection, Cord - direct	2
280	0006824		Holder, Junction Box Location - same compartment as the electric reels	2
281	0086799		Receptacle, 15A 120V 3-Prong, Str Blade W/Cvr, Duplex Location, Receptacles - side by side against the back wall of compartment P4 in the right middle pelican box rack	3
282	0076629		Receptacle, 15A 120V 3 Prong Str Blade Duplex, Shoreline Int Location, Receptacles - Cab	12
283	0006790		Receptacle, 20A 120V 3-Prong Twistlock 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	4
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.)	2
285	0066622		Receptacle, 20A 120V 3 Prong Str Blade Duplex, Generator Ext Location, Receptacles - forward wall of compartment D4	1
286	0507624		Shoreline, Kussmaul Auto Eject, 30 amp "Super" Connection, Shoreline - TBD Color, Kussmaul Cover - b) red	1
287	0026800		Shoreline Location Location, Shoreline (s) - 25) DS Cab Side	1
288	0036804		Light, Indicator, Shoreline Inlet Powered, Green	1
289	0036802		Sub Feed Breaker Box, For Shoreline Location, CB Panel - next to the breaker box	1
290	0036800		Switch, Auto Transfer, Up to 30Amp Connection, Transfer Swit - TBD	1
291	0026890		Reel, Tool Air, Low Press from Cascade w/150' Blue Hose Location - Body compt. TBD Reel Guide - a) Nylatron guide	1
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 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	1



Line	PRIDE #	Type	Component	Qty
295	0006990		Reel, Hyd, 100' Cap., .25" Dual Hose(Hannay) (Any Make Tool) Brand, Model, of Equip - TBD Location - TBD by customer Reel Guide - b) Captive roller	1
				
296	0007150		Bag of Nuts and Bolts Qty, Bag Nuts and Bolts - 1	1
297	0007210		Paint, Two Tone, Cab, Custom Cab/Commercial Cab Paint Color, Upper Area - White, Miami FL #10 Paint, Color - Red, Miami, FL #90	1
298	0017241		Paint Chassis Frame Assy. Black, Std.	1
299	0065653		Warranty, 10 Year Standard Paint	1
300	0007234		Compartment, Unpainted, D/A Finished Location - all compartments	1
301	0068338		Reflective Band, 1"-6"-1" Color, Reflect Band - A - i) gold Color, Reflect Band - B - t) gold Color, Reflect Band - C - w) white	1
302	0007356		Reflective across Cab Face	1
303	0065687		Stripe, Reflective, Cab Doors Interior Color, Reflective - k) light blue	1
304	0030076		Lettering Specifications, Vinyl/Painted	1
305	0077246		Lettering, Reflective 4" w/outline & shade (61-80)	1
306	0087256		Bracket, Channel for Dept Number Placard Location - per print	4
307	0047028		Lettering, Reflective, Roll-up Doors, More Location, Lettering - Side body Size, Lettering, Reflect - 06 Color, Lettering - a) white	52
308	0067255		Lettering, Reflective 8" w/shade & outline (1-20) Location, Lettering - TBD Color, Outline/Shadow - a) black Color, Lettering - a) white	1
309	0025800		Lettering, Reflective 10" w/shade & outline (21-40) Color, Outline - Black Location, Lettering - TBD Color, Outline/Shadow - a) black Color, Lettering - a) white	1
310	0087267		Plate, Painted Alum. for Lettering Size - 10x10x1/8 match 14300 Miami FL Location - four sides	4
311	0516701		Emblem, American Flag Painted on Cab Grille, All Custom Chassis	1
312	0000502		Emblem, Eagle #2 w/Emblem, Color Imaged, Pair Location, Emblem - one each side body Size, Color Imaged Seals - c)	1
313	0049183		Emblem, "Freedom Flag", Color Imaged, 18" Wide, Pair (mirror images) Location, Emblem - TBD	1
314	0077034		Emblem, Eagle in Flight, 16.50H x 11.00W, Pair	1
315	0000000		Warranty and Administration	1
316	0000000		Florida Sheriff's Contract Access 05-06-0823 Location - Florida	1
317	0000000		Inspection Trips (2) and Delivery	1
318	0000000		Inspection Trips (2) and Delivery	1
319	0000000		Interest	1

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





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 warrant 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 which are returned to us, with transportation costs prepaid and as to which examination is disclosed to the company's satisfaction to have been defective. The part, or parts, will be returned to the manufacturer not later than **five (5) years** from delivery of the apparatus. 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 factory rated load capacity.

This warranty is in lieu of all other warranties, expressed or implied, all other 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 manufacturer's 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 Meritor™, Model RS-24-160, with a capacity of 24,000 pounds.

REAR AXLE WARRANTY

The Meritor™ **three (3) year** parts and labor warranty will be provided with this axle, plus an additional **two (2) years** of parts only coverage. Meritor™ 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-4™ 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 overlaid 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



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 than 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 occurrence 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 light.

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

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

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 above 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 Kussmal 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



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:

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.

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. bumpers 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 accomodate 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 accomodate 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



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, Gradient opti-scene lights will be installed one (1) each side of cab, (1) pair each side 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 side 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/red 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 far to the outside as possible.

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 rewiring 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

The meter and indicators will be installed near eye level in the compartment. Instruments will be flush mounted



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 on-line 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. Manual Surface Preparation - 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. Primer/Surfacer Coats - 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. Hand Sanding to Ultra Fine Finish 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. Sealer Primer Coat 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	Integrity of Coating System: Adhesion, Blistering/Bubbling	Corrosion: Dissimilar Metal and Crevice
0-72 months 100%	0-36 months 100%	0-36 months 100%
73-96 months 50%	37-84 months 50%	37-48 months 50%
97-120 months 25%	85-120 months 25%	49-72 months 25%
		73-120 months 10%

This limited warranty applies only to cab and body exterior paint. Paint on the vehicle's undercarriage, cab and



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 trips, 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 BY THE POLICE DEPARTMENT, WITH THE 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 IF 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: 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 Fire 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, 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**

<u>QTY</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
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	Terrorist Cache	Domestic Security
Homeland Bonds Defense Preparedness				
	Project 313305	1,500,000.00		
Incident Command Vehicle	Planning Stage	200,000.00		x
Technical Rescue Vehicle	Planning Stage	225,000.00		x
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	x
Detectrad DOSI DTLG	Procurement	10,512.00	x	
AreaRAE System Gas Detection	Sept. 11 Commission Meeting	30,900.00		x
NT Rescue Air Bag and Accessories	July 24 Commission Meeting	41,082.00		x
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	x	
RAE System	PO Issued	700.00	x	
Pressure Extinguishers	PO Issued	250.00	x	
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		x

updated 7/01/03

Fire Rescue
Bond Projects

Hydra Ram	Complete	1,710.00	x
Air Hammer	Complete	1,874.94	x
Stanley Hydraulic Tools	Complete	21,870.00	x
Chiseling Hammer	Complete	9,244.10	x
Acetylene Cylinder	Complete	1,603.65	x
Total in Process with PO		127,665.05	
Balance of Project Funding		467,122.45	

Homeland Bonds Neighborhood Fire Stations	Project 313306	4,500,000.00
--	-----------------------	---------------------

Trailers for Temporary Fire Stations	PO Issued	129,426.00	R03 40
Sta. 13 Appraisals	Canceled		
Sta. 13 Appraisals	Canceled		
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
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-39910

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$12,000
SOURCE OF FUNDS: District 2 Quality of Life 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

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? [X] YES [] 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? [] 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 yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS:

APPROVED: [Signature] DATE: 7/24/07
BOND OVERSIGHT BOARD

Enclosures: Back-Up Materials [X] YES [] NO

HOMELAND DEFENSE / NEIGHBORHOOD IMPROVEMENT BOND FUNDS

JULY 2007 DEPARTMENT OF PARKS AND RECREATION PROPOSED PROJECT FUNDING

<u>PARK</u>	<u>PROJECT</u>	<u>B-No.</u>	<u>\$ REQ.</u>	<u>BUDGET</u>	<u>ORIG. SCOPE</u>	<u>INITIATED BY</u>
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 2nd 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

PROPOSAL

A 10864

**Fence Contractors
(Since 1972)**

- WOOD • PVC
- CHAIN LINK
- IRON • STEEL PICKET - ALUMINUM
- ELECTRICAL GATE OPERATORS
- WALLS
- CUSTOM
- RESIDENTIAL & COMMERCIAL • INSTITUTIONAL

RONALD M. GIBBONS, INC.

14070 N.W. 20TH AVENUE
MIAMI, FL 33054

Date: (305) 652-5845
Bwd: (954) 920-1210
Fax: (305) 652-9304

Page No. 1
of 1 Pages

**CC # 9356
INSURED**

PROPOSAL SUBMITTED TO:		PHONE: 305-793-4322	DATE:
		FAX: 305-960-3019	5/24/07
NAME:	CITY OF MIAMI PARKS&RECREATION	JOB NAME:	BLANCHE PARK
STREET:	1950 NW 12 AVENUE	STREET:	
CITY:	MIAMI	CITY:	MIAMI
		STATE:	FL
STATE:	FLORIDA	ATTN:	FERMIN

We hereby submit specifications and estimates for:
MATERIALS, LABOR AND EQUIPMENT TO INSTALL A NEW 4' HIGH, 9 GAUGE GREEN VINYL COATED CHAIN LINK FENCE SYSTEM WITH SCHEDULE#40 FRAMEWORK.

SCOPE/APPROXIMATE QUANTITIES:

- A. 380 L.F OF EXISTING 3' HIGH FENCE DEMOLITION.
 - B. 359 L.F OF NEW 4' HIGH FENCE.
 - C. 1 EACH 11' x 4' DOUBLE SWING GATE.
 - D. 2 EACH 5' x 4' SINGLE SWING GATE.
 - E. 7 EACH CORNER POSTS.
 - F. 2 EACH END POSTS.
- TOTAL.....\$11,253.50

NOTES:

- 1. COST OF OBTAINING BUILDING PERMIT IS EXCLUDED.
- 2. QUOTE SOLELY BASED ON ITEMS & QUANTITIES PER THIS PROPOSAL.
- 3. WORK SITE MUST BE SAFE & ACCESSIBLE FOR WORKMEN, TRUCKS&EQUIPMENT.

We hereby propose to furnish labor and materials - complete in accordance with the above specifications, for the sum of:

ELEVEN THOUSAND, TWO HUNDRED&FIFTY THREE DOLLARS (\$ 11,253.50) with payment to be made as follows:

NET 30 DAYS

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra cost, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. This proposal subject to acceptance within 15 days and is void thereafter at the option of the undersigned.

Authorized Signature

PRESIDENT

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are hereby accepted. You are authorized to do work as specified. Payment will be made as outlined above. In the event of cancellation the purchaser (s) agree to reimburse all cost (s) incurred by Ronald M. Gibbons, INC. and / or a 10% restocking fee.

ACCEPTED:

Signature: _____

Date _____

Signature: _____

IN THE EVENT COLLECTION BECOMES NECESSARY TO COLLECT ANY BALANCES FROM THIS PURCHASE, THEN ALL CHARGES FOR COLLECTION INCLUDING COLLECTION SERVICE CHARGES, AND COURT COSTS, AND ATTORNEY FEES, AND SERVICE CHARGE AT 10% PER ANNUM (OR THE MAXIMUM ALLOWED BY LAW) WILL BE PAID BY THE PURCHASER.

FOR BOND BOARD 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

6/18/2007

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

2. BUDGETARY INFORMATION: Are funds budgeted? [X] 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? [X] YES [] 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? [] 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 yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS:

APPROVAL: [Signature] DATE: 7/24/07
BOND OVERSIGHT BOARD

HOMELAND DEFENSE / NEIGHBORHOOD IMPROVEMENT BOND FUNDS

JULY 2007 DEPARTMENT OF PARKS AND RECREATION PROPOSED PROJECT FUNDING

<u>PARK</u>	<u>PROJECT</u>	<u>B-No.</u>	<u>\$ REQ.</u>	<u>BUDGET</u>	<u>ORIG. SCOPE</u>	<u>INITIATED BY</u>
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
10021 SW 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

7/6/2007





DEPARTMENT OF CAPITAL IMPROVEMENTS
PROJECT OVERVIEW FORM

1. DATE: 7/24/07 DISTRICT: 2
 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 If yes,
 TOTAL DOLLAR AMOUNT: \$1,000,300 (\$705,000 is only from Neighborhood Parks Improvements & Acquisition)
 SOURCE OF FUNDS: \$705,000 Neighborhood Park Improvements & Acquisitions/\$10,300 SNPB Conversion & \$285,000 SFWMD Shoreline Stabilization

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 removal and disposal of existing concrete rubble, 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? 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)
 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? 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: _____

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 _____
 Approved by Commission? YES NO N/A DATE APPROVED: _____
 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: _____

6. COMMENTS: _____

APPROVAL: [Signature] DATE: 7/24/07
 BOND OVERSIGHT BOARD



PROJECT ANALYSIS FORM

Capital Improvements & Transportation

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 Const	Estimated Design	% of Const	Contracted Design
Prime Consultant:	EDC Corporation	CODE					
1	Outside Consultant - Basic Design Fee	01.01	5.8%	\$ 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%		
4	CIP - Production Management	01.02	5.0%	\$ 35,750.00	52.6%	\$ 18,800.00	
5	General Production Phase Contingency	01.01	7.5%	\$ 3,400.00	18.4%	\$ 7,594.00	
6				\$ -		\$ -	
7				\$ -		\$ -	
8				\$ -		\$ -	
9				\$ -		\$ -	
10				\$ -		\$ -	
11				\$ -		\$ -	
12				\$ -		\$ -	
PRODUCTION TOTALS				Estimated	Contracted		
				\$ 84,697.00	\$ 60,153.00		

CONSTRUCTION PHASE (4-CON)				Estimated Construction by PM	Contracted Construction (Formal Bid, Informal Bid or JOC Method)
Prime Contractor:	FHP Tectonics Corp	CODE			
1	Construction Cost (Prime Contractor)	02		\$ 650,000.00	
2	Construction Contingency Allowance	02	10.0%	\$ 65,000.00	0.0% \$ 785,293.00
3	Additional Services / Change Orders (Prime Contractor)			\$ -	\$ -
4	Other Construction Related Services	02		\$ 70,293.00	\$ -
5				\$ -	\$ -
6				\$ -	\$ -
7				\$ -	\$ -
8				\$ -	\$ -
CONSTRUCTION TOTALS				Estimated	Contracted
				\$ 785,293.00	\$ -

CONSTRUCTION ADMINISTRATION (8-CEO)				Estimated CEO	Contracted CEO
		CODE			
1	Construction Engineering Observation (CEO) Consultant	03.01	11.7%	\$ 83,835.00	0.0% \$ -
2	Construction Engineering Observation CIP/Transportation			\$ -	0.0% \$ -
3	JOC Administration - The Gordian Group (Always 1.5%)	03.03	1.5%	\$ 10,725.00	1.5% \$ -
CONSTRUCTION ADMINISTRATION TOTALS				Estimated	Contracted
				\$ 94,560.00	\$ -

ADMINISTRATIVE EXPENSES (6-ADM)				Estimated ADMIN	Contracted ADMIN
		CODE			
1	CIP Department (Mgmt./Budget/Procurement/Comm.):	04	5.0%	\$ 35,750.00	33.6% \$ 12,000.00
ADMINISTRATIVE EXPENSES TOTALS				Estimated	Contracted
				\$ 35,750.00	\$ 12,000.00

PROJECT ESTIMATED AND ACTUAL COSTS

ADDITIONAL PROJECT TASKS		CODE	Estimated TASKS	Contracted TASKS
1	EQUIPMENT (5-EQU):		\$ -	\$ -
2	PLANNING (2-PLN):		\$ -	\$ -
3	ACQUISITION EXPENSES (1-LAQ) <u>Land</u> :		\$ -	\$ -
4	ACQUISITION EXPENSES (1-LAQ) <u>Transaction</u> :		\$ -	\$ -
5	PROGRAM MANAGEMENT (0-MGT):		\$ -	\$ -
ADDITIONAL PROJECT TASKS TOTALS			Estimated	Contracted
			\$ -	\$ -

B-30317	PROJECT GRAND TOTAL	Estimated	Contracted
		\$ 1,000,300.00	\$ 72,153.00

PROJECT SCOPE
Removal and disposal of existing concrete rubble, debris and exotic vegetation. Construct a Rip-Rap revetment along 334 linear feet of shoreline out a distance of ten (10) feet waterward. Kayak launching area.

REASON FOR PAF MODIFICATION

Notes
Receipt of PAF by Danette Perez - CIP Public Relations Coordinator
Project MUST be Presented to the Bond Oversight Board
6/15/07 *[Signature]*
Date Received / Signature or Initials

FUND SOURCES	AWARD NAME AND NUMBER	AVAILABLE	FUTURE
	SNPB Conversion - 1216		\$ 10,300.00
<i>HD NEIGHBORHOOD PARK SERIES 1 - 1058 gm</i>	Please See Note Above	\$ 347,000.00	\$ -
SFWMD Shoreline Stab - 1109		\$ 285,000.00	\$ -
HD - Homeland Defense Bonds (Series 2) -FD385200-2	Please See Note Above	\$ -	\$ 358,000.00
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
B-30317	FUND GRAND TOTAL	ACTUAL	PROJECTED
	\$ 1,000,300.00	\$ 642,300.00	\$ 358,000.00

VALIDATION

Initiated by: Munoz, Edgar
Project Manager
Signature: *[Signature]* Date: 6/5/07

Approved by: Marcel Douge
Senior Project Manager
Signature: *[Signature]* Date: 6/5/07

Reviewed by: Yvette Maragh
CIP Budget Administrator
Signature: *[Signature]* Date: 6/5/07

Verified by: Edwige De Crumpe / Program Controls
Initials: *[Initials]*

Accepted by: Ernest Burkeen
Director: Parks & Recreation
Signature: *[Signature]* Date: 6/5/07

ORIGINAL TO: Melanie Whitaker / Industry Partner / 10th Floor South Conference Room
Initials: *[Initials]*

Executed PAF MUST 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: 8/28/07 DISTRICT: 2
NAME OF PROJECT: GUSMAN HALL IMPROVEMENTS PROJECT
INITIATING DEPARTMENT/DIVISION: Capital Improvements Program
INITIATING CONTACT PERSON/CONTACT NUMBER: Alejandra Argudin (MPA) (305)373-6789
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-30546

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$1,400,000 (\$825,000 is only from Homeland Defense Series II)
SOURCE OF FUNDS: Homeland Defense Bonds (Series II)

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: Project scope includes all necessary demolition and removal of existing carpeting and auditorium seating from mezzanine level, first balcony level and second balcony level areas of the theater. The work will also include required concrete stair modifications, new carpeting, paint exposed concrete floors, install new auditorium seating, new handrails and new electrical work for seat/isle lighting on the mezzanine level, first balcony level, tunnels, stairs and second balcony levels of the theater.(Continuation of scope attached).

ADA Compliant? [] YES [] NO [] N/A
Approved by Audit Committee? [X] YES [] NO [] N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED: 8/28/07
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? [] YES [] NO If yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS: MPA will provide progress report.

APPROVAL: [Signature] DATE: 8/28/07
BOND OVERSIGHT BOARD

June 15, 2007

Arthur V. Noriega
Executive Director
Miami Parking Authority
190 N.E. 3rd Street
Miami, Florida 33132

Re: Gusman Center for the Performing Arts
2007 Scope of Work Proposal
RJHA Project #: 07-3287

Dear Art:

Per our meeting of June 14, 2007, enclosed please find 2 copies of a proposed Work Authorization for a scope of work that will cost approximately \$1,400,000.

340
MINORCA
AVENUE
CORAL
GABLES
FLORIDA
33134
305.446.7799

HEISENBOTTLE
ARCHITECTS

This scope of work will include all necessary demolition and removal of existing carpeting and auditorium seating from mezzanine level, first balcony level and second balcony level areas of the theater. The work will also include required concrete stair modifications, new carpeting, paint exposed concrete floors, install new auditorium seating, new handrails and new electrical work for seat/isle lighting on the mezzanine level, first balcony level, tunnels, stairs and second balcony levels of the theater. Additionally, work will include installation of new entrance doors and new concession counters. Those repairs associated with the 40 year recertification of the building will also be included.

RJHA will prepare a contract change order, conduct contract negotiations, provide construction administration, shop drawing review, conduct field observations, prepare a final punch list, administrate the construction contract and project closeout.

No new drawings are anticipated at this time. This scope of work outlined above is already under permit with Trigram GC, the general contractor, and no new permits are anticipated at this time.

It is anticipated that this work will be accomplished in one construction phase of approximately 4 months duration. Should construction extend beyond that time, the Architect shall be entitled to additional services for extended construction phase administration.

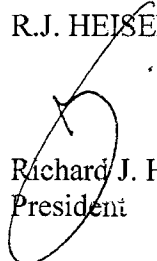
RJHA's proposed fixed fee for the above reference scope of work is as follows:

Carpet -	\$ 8,299.00
Entry Doors and Related -	\$ 5,970.00
Seating and Related -	\$23,324.00
Concession Counters & Related -	\$ 8,233.00
40 Year Recertification -	<u>\$ 8,299.00</u>
TOTAL A/E FEE -	\$54,125.00

Provided this fee meets with your approval please sign your written authorization on the line provided on page 3 of the Work Authorizations and return one copy to my office for record purposes.

Sincerely yours,

R.J. HEISENBOTTLE ARCHITECTS, P.A.


Richard J. Heisenbottle, FAIA
President

cc: Alejandra Argudin

PROFESSIONAL SERVICE AGREEMENT
WORK AUTHORIZATION

THIS AGREEMENT made this 15st day of June 2007, by and between the DEPARTMENT OF OFFSTREET PARKING, (hereinafter referred to as "DOSP"), an agency and instrumentality of the City of Miami, and R. J. HEISENBOTTLE ARCHITECTS, P.A., (hereinafter referred to as the "Consultant") each duly incorporated and properly operating in accordance with the laws of the State of Florida.

RECITAL

WHEREAS, following the Selection Committee's recommendations, the DOSP Board of Directors approved the selection and DOSP entered into an Agreement with the CONSULTANT to provide professional services dated June 30, 1989; and

WHEREAS, Professional Service Agreement Amendment #1 dated March 31, 1994 between the DOSP and the CONSULTANT provided that the schedule for the remaining scope of work for the project be established in writing at such time as DOSP obtains funding for the work and perceives it in it's best interest to proceed with some or all of the remaining scope of the project and;

WHEREAS, DOSP has secured funding of approximately \$1,407,000.00 for additional Capital Improvements from the City of Miami, Miami-Dade County and the State of Florida, it has elected at this time to authorize the CONSULTANT to provide Architectural/ Engineering, and Theatrical Consulting services for this scope of work as follows:

SECTION 1 Current Work Authorization:

A. Consultant Services:

At this time, the CONSULTANT is authorized to proceed with A/E services to include preparation of necessary Construction Contract Change Orders, conduct contract negotiations, and provide construction phase administration services as necessary to implement the following Capital Improvements:

In summary, the work included demolition and removal of existing carpeting, exterior entry doors, concession counters and equipment and auditorium seating from mezzanine level, first balcony level and second balcony level areas of the theater. Installation of new entry doors, handrails, concrete stair modifications, new carpeting, paint exposed concrete floors, install new auditorium seating, and electrical work for seat/isle lighting on the mezzanine level, first balcony level, tunnels, stairs and second balcony levels of the theater. Previous authorizations for work associated with the buildings 40 year recertification shall be voided.

No new drawings are anticipated at this time. This work is already under permit with Trigram GC, the general contractor, and no new permits are anticipated at this time.

Further, it is anticipated that this work will be accomplished in one construction phase of approximately 6 months duration. Should construction extend beyond that time, the Architect shall be entitled to additional services for extended construction phase administration. All work shall be as described on the already completed construction document drawings and project specifications listed below:

A0.01 Building General Data, dated 5-16-03
A1.01 Orchestra Level Demolition Floor Plan dated 10-13-04
A1.02 Mezzanine Level Demolition Floor Plan, dated 10-13-04
A1.03 First Balcony Level Demolition Floor Plan, dated 10-13-04
A1.04 Second Balcony Level Demolition Floor Plan, dated 10-13-04
A2.01 Orchestra Level Floor Plan, dated 10-13-04
A2.02 Mezzanine Level Floor Plan, dated 10-13-04
A2.03 First Balcony Level Floor Plan, dated 10-13-04
A2.04 Second Balcony Level Floor Plan, dated 10-13-04
A3.03 Partial Plans and Elevations, dated 12-16-04
A4.02 Handrail Elevations and Details, dated 10-13-04
A7.02 Mezzanine Level Finish Schedule, dated 10-13-04
A7.03 Third Floor, Tunnel and Upper Balcony Finish Schedule, dated 10-13-04
A10.01 Concession Counters, dated 10-13-04
A11.01 Door Schedule and Details – dated 10-13-04
A11.02 Misc. Details, dated 10-13-04
SP2.00 Fixed Seating Balcony Plan, dated 10-13-04
S-1A Misc. Details, dated 10-13-04
E-1 General Electrical Notes, dated 6-6-03
E-3 First Floor Plan, dated 12-14-04
E-4 Mezzanine Level Electrical Floor Plan, dated 10-13-04
E-5 First Balcony Level Electrical Floor Plan, dated 10-13-04
E-6 Second Balcony Level Electrical Floor Plan, dated 10-13-04
E-9 Electrical Riser and Panel Schedules, dated 12-14-04
P-1 Plumbing Schedule, Legends, and Details, dated 10-13-04
P-2 Plumbing for Flagler and Mezzanine Level, dated 10-13-04

40 Year Recertification Repairs Drawings - dated June 12, 2006

S-1 Orchestra Level Floor Plan
S-2 Mezzanine Level Floor Plan
S-3 Balcony Level Floor Plan
S-4 Second Balcony Level Floor Plan
S-5 Roof Plan
E-1 Basement & Electrical Room Plan
E-2 Ground Level Plan
E-3 Mezzanine Level Plan
E-4 First Balcony Level Plan
E-5 Second Balcony Level Plan
E-6 Riser Diagrams & Main Disconnects

Project Specifications, dated May 16, 2003, with Addendum 1, dated May 30, 2003 and Addendum 2, dated June 6, 2003.

- B.** Additional work scope, if required will be considered an additional service and billed on an hourly basis at the hourly rates contained herein.
- C.** No cost estimating services will be required for this scope of work.
- D.** Throughout the course of this project, the CONSULTANT shall maintain professional liability insurance in the amount of \$1,000,000.00.

E. CONSULTANTS Basic Service Fee for the above-referenced scope of work:

New Carpet -	\$ 8,299.00
New Entry Doors & Related Work -	\$ 5,970.00
New Seating & Related Work -	\$23,324.00
New Concession Counters & Related Work -	\$ 8,233.00
40 Year Recertification and Repairs -	<u>\$ 8,229.00</u>
TOTAL A/E FEE -	\$54,125.00

This fee will be billed monthly in accordance with the percentage of work completed to date.

F. Reimbursable expense shall be in addition to Compensation for Basic Services and include the cost of out of town travel, lodging, reproductions, postage, express deliveries and fees paid by the CONSULTANT in the interest of the project. Reimbursable expenses will also be billed monthly at a multiple of 1.1 x actual expense. **Reimbursable expenses for this assignment are estimated at \$500.00**

2. **Additional Services:**

A. Additional Work Authorized by DOSP:

1 Additional or unforeseen WORK beyond the scope of the PROJECT described herein may only be done by written amendment to this Agreement executed by the EXECUTIVE DIRECTOR. At DOSP's option for additional WORK, the CONSULTANT may be paid an agreed upon fee or be paid at the following hourly rates for services provided by those listed below and at a rate of three times the DIRECT TECHNICAL SALARY EXPENSE for those services rendered by other EMPLOYEES:

Fisher/Dachs Associates

Joshua Dachs, Principal	\$200.00 per hour
Joseph Mobila, Associate Principal	\$160.00 per hour
Alec Stoll, Project Manager	\$140.00 per hour
Associates	\$140.00 per hour

R. J. Heisenbottle Architects, PA

Principal, R. J. Heisenbottle, FAIA	\$200.00 per hour
Project Manager, Thomas Bart Ross	\$105.00 per hour

SECTION II

General:

A. Detailed project requirements and compensation to the CONSULTANT for future phases of the project shall be negotiated and established in writing at such time as DOSP elects to proceed with the remaining scope of the work or a portion thereof.

B. All provisions of the June 1989 Professional Service Agreement, and Amendment #1 dated March 31, 1994 unless specifically amended herein, shall remain in effect.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed by the respective officials thereunto duly authorized, this day and year first above written.

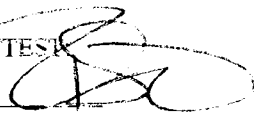
DEPARTMENT OF OFF-STREET PARKING,
An Agency and instrumentality of
The City of Miami, Florida.

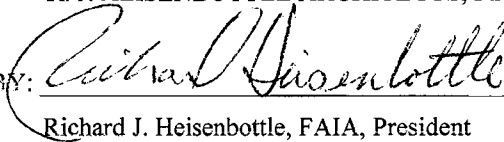
ATTEST:

BY: _____
Arthur V. Noriega, Executive Director

CONSULTANTS:

R. J. HEISENBOTTLE ARCHITECTS, P.A

ATTEST: 

BY: 
Richard J. Heisenbottle, FAIA, President

City of Miami - Capital Improvement Program

Funding Breakdown Detail Report

Dept. 99-CIP Administration
 Status/Phase Future/Future CIP: Yes Phase Override: No
 Job No./Name B-30546 Gusman Hall Improvements

Area 2-Recreation & Culture
 Program 325-Public Facilities
 Category Historic Preservation
 PM David Mendez
 District 2-Commissioner: Marc Sarnoff

Scope: Contribution for Improvements to Gusman Hall to include seating, railing, lighting, etc. This funding will complement grants received by Miami Parking Authority.
 Location: 174 East Flagler Street.

CIP Project	Fund Source	Award No.	Detail Cost Category	Total Funding	Prior Approp.	Approp. 2002 - 2003	Future Funding Estimates					Invoiced To-Date
							2003 - 2004	2004 - 2005	2005 - 2006	2006 - 2007	2007 - 2008	
327001	385200-2		Construction	\$825,000.00	\$0	\$0	\$0	\$0	\$0	\$825,000	\$0	\$0.00
			Sub-Total	\$825,000.00	\$0	\$0	\$0	\$0	\$0	\$825,000	\$0	\$0.00
Total				\$825,000.00	\$0	\$0	\$0	\$0	\$0	\$825,000	\$0	\$0.00

Total Cost Category	Total Funding	Prior Approp.	Approp. 2002 - 2003	Future Funding Estimates					Invoiced To-Date
				2003 - 2004	2004 - 2005	2005 - 2006	2006 - 2007	2007 - 2008	
Construction	\$825,000.00	\$0	\$0	\$0	\$0	\$0	\$825,000	\$0	\$0.00
Total	\$825,000.00	\$0	\$0	\$0	\$0	\$0	\$825,000	\$0	\$0.00

Schedule Dates Start	Finish	Total Est. Category	Total Estimates	Prior Estimates	Estimates 2002 - 2003	Cost Estimates (Cashflows)					Invoiced To-Date
						2003 - 2004	2004 - 2005	2005 - 2006	2006 - 2007	2007 - 2008	
10/01/07	05/01/08	Construction	\$825,000.00	\$0	\$0	\$0	\$0	\$0	\$0	\$825,000	\$0.00
		Total	\$825,000.00	\$0	\$0	\$0	\$0	\$0	\$0	\$825,000	\$0.00

Over/Under \$0.00

Funding Award No/Fund Sources/CIP Project

Award No./Title

Fund Source/Title

CIP Project/Title

385200-2 2002 Homeland Defense Bonds (Series 2)

327001 Historic Preservation Initiatives



DEPARTMENT OF CAPITAL IMPROVEMENTS
PROJECT OVERVIEW FORM

1. DATE: 8/28/07 DISTRICT: CW
NAME OF PROJECT: VIRGINIA KEY BEACH PARK TRUST VARIOUS PROJECTS
INITIATING DEPARTMENT/DIVISION: Virginia Key Beach Park Trust
INITIATING CONTACT PERSON/CONTACT NUMBER: Guy Forchion (305)960-4603
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: _____ CIP/PROJECT NUMBER: B-30174

2. BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes,
TOTAL DOLLAR AMOUNT: \$856,205
SOURCE OF FUNDS: Homeland Defense Bonds (Series II)

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: Projects scope attached.

ADA Compliant? YES NO N/A

Approved by Audit Committee? YES NO N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 8/28/07
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? YES NO If yes,
DESIGN COST: _____
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? YES NO N/A DATE APPROVED: _____
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: _____

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: _____
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: _____

6. COMMENTS: Park is estimated to open in February 1, 2008

APPROVAL: [Signature]
BOND OVERSIGHT BOARD

DATE: 8/28/07

Virginia Key Beach Park Trust

2007-08 Park Capital Improvements Plan (Homeland Defense Funds)

	Project Title	Project Description	Cost Estimate	Comments
1	Re-paint Historic Buildings	Repainting of the historic buildings on HVKBP - Concession Stand, Carousel Building, Bath House, North Restroom, Historic Picnic Pavilion, 2 North Pavilions	12,000	The historic structures will be painted in the existing color schemes prior to opening.
2	Water Fountain Installation	Public water fountains are needed on the beach park - approximately 2-4 additional fountains.	15,000	The installation of public water fountains may require additional water services on areas of the park. There are currently two public fountains on the park.
3	Shower Installation	Public showers are needed in the public swimming areas on HVKBP	15,000	The installation of public showers may require additional water services on areas of the park. There are currently showers in the historic bath house.
4	Swimming Area Identification	The public swimming areas on HVKBP need to be clearly identified - roped off with floating devices, safety signage, etc.	10,000	Bear Cut current study determinations are being made to identify suitable public swimming areas; these areas would then be clearly marked with signage and floatation devices.
5	Post & Rope Barriers	350 4"x4"x24" post stakes and approx. 2000 ft. of rope	15,000	These barriers would be used to control public traffic flows
6	Environmental Resource Permit	The development of a conceptual Environmental Resource Permit for HVKBP	30,000	The ERP is a condition of the completion of the parking lot project and necessary for future construction on the beach park
7	BBQ Grills	Total of 44 BBQ grills (permanent)	7,000	Locations will vary.
8	Picnic Tables	Total 88 picnic tables	20,397	80 picnic tables, 8 handicapped accessible tables - metal and wood.
9	Life Guard Stands	Construction of 8 historic lifeguard stands at HVKBP.	15,000	The lifeguard stands would be replicas of the original lifeguard stands that existed on HVKBP. They would need to be custom built.
10	Water Service Supply Plan & Installation	Planning and development of a comprehensive water service supply network for HVKBP. Permitting and installation of the water service supply network for HVKBP. Including drinking fountains and shower hardware.	191,000	The plan would include an assessment of the existing water supply services; determine needed upgrades to the system's capacity for future construction, locations of drinking fountains, public showers, fountains, water features and other water supply needs.
11	Front Gate Guardhouse Control	A structure, modular building, portable building - placed at the entrance of HVKBP for information exchange, entry fee collection, etc.	10,000	Approx. 8'x10' ft. - simple shelter for shade and traffic control.

12	Picnic Pavilion Awnings	Awning structures for two existing historic picnic pavilions	70,000	The pavilions are approx. 28'x50' ft. - 1,400 sq ft
13	Lightning Protection	Installation of lightning rod devices on the Carousel Building, Concession Stand Building and Admin. Office.	7,550	Beach safety precautions
14	Additional Parking Lot Improvements	Additional asphalt paving to create u-turn area for entry way circulation Road.	11,258	Job Order Number: 085.B30184.02
15	Awnings for Administrative Office	12x12 awning for front entry doors.	2,500	This would provide protection from rain when entering and exiting the admin. office.
16	Mini Train Tunnel Doors	Purchase and installation of two (2) steel roll down doors for the mini train tunnel entrances	10,000	These doors would roll up/down made of steel/aluminum for storage security and protection from the elements for the VKBPT mini train.
17	Mini Train Rail Installation	Permitting, purchase and installation of approx. feet of 16 gauge steel rail on predetermined railroad line, crossings, signals, switches, etc.	220,000	Pedestrian and vehicular crossings are needed at special locations; the maintenance/storage rail needs special attention shown to loading and office loading the train, access, etc.
18	Mini Train Painting	The mini train would be painted in the color scheme of the Florida East Coast (FEC) Railroad. Train title/name and the VKBPT logo would appear.	16,500	The exact colors of the original mini train and other details of the style would be followed as closely as possible.
19	Mini Train Platform Restoration & Awning	The mini train passenger loading platform will require an assessment of the structure, design for station awning, electrical, drinking fountain/water supply restoration, train attendant and ticket taking booth, passenger seating, ADA access.	60,000	The historic train platform would be acknowledged as a historic feature of the park.
20	Park Maintenance Facility	A "turn key" planning, design, permitting and construction of a park maintenance facility to be located on HVKBP - office area 500 sq. ft. - storage area optional 640 sq. ft.	43,000	The facility of house a garage area, storage, office for supervisor, work stations, equipment storage, telephones, cabling and wiring, furniture, etc. Depending on the location of the facility utilities costs may be extremely high.
21	Children's Play Area	Boundless Playground Children's play area - full ADA accessibility.	75,000	This is a 50% match to the SNP Grant.
		Total	856,205	856,205

HOMELAND DEFENSE / NEIGHBORHOOD IMPROVEMENT BOND FUNDS

AUGUST 2007 DEPARTMENT OF PARKS AND RECREATION PROPOSED PROJECT FUNDING

<u>PARK</u>	<u>PROJECT</u>	<u>B-No.</u>	<u>\$ REQ.</u>	<u>BUDGET</u>	<u>ORIG. SCOPE</u>	<u>INITIATED BY</u>
Armbrister Park 236 Grand Ave	New concrete terrace	39910E	\$38,000	(HD District 2 Park Improvements)		Marc Sarnoff
Armbrister Park	Awning for Rec. Bldg,	39910E	\$2,000	(HD District 2 Park Improvements)		Marc Sarnoff
Merrie Christmas Le Jeune & Barbarosa St,	Walkways / ADA Compliance	39910E	\$33,000	(Com. Sarnoff's Quality of Life Funds)		Marc Sarnoff
Grove Heritage Frow Ave & Margaret St.	Brick Pavers	39910E	\$60,000	(Com. Sarnoff's Quality of Life Funds)		Marc Sarnoff
Morningside Park 750 N.E. 55 th Tr	New Asphalt Overlay For Roads and Parking	39910E	\$145,000	(Com. Sarnoff's Quality of Life Funds)		Marc Sarnoff
Morningside Park	Asphalt Parking area For Boat Trailers	39910E	\$30,000	(Com. Sarnoff's Quality of Life Funds)		Marc Sarnoff

Total Requested from Bond Funds: \$308,000

Blanco, Edward

From: McDonald, Yvonne
Sent: Friday, August 10, 2007 11:04 AM
To: Blanco, Edward
Cc: Perez, Maria; 'mdsarnoff@attglobal.net'; Burkeen, Ernest; Nelson, Ron; Miro, Claudia M.; McDonald, Yvonne
Subject: RE: Last day to Enter Requisitions

Hello Mr. Blanco

This is to confirm that Commissioner Sarnoff gives authorization to the Parks and Recreation Dept. to request approval of \$500,000 of Quality of Life Funds from the Homeland Defense Bond Oversight Board for District 2 Parks Projects covered in your e-mail of 8/8/07.

Please contact me if I can be of further assistance.

Yvonne McDonald

Senior Staff - Community Affairs
Commissioner Marc D. Sarnoff
City of Miami District 2
305-250-5333 Office
305-250-5337 Direct Line
305-579-3334 Fax
ymcdonald@miamigov.com

From: Blanco, Edward
Sent: Thursday, August 09, 2007 3:56 PM
To: McDonald, Yvonne
Cc: Perez, Maria
Subject: FW: Last day to Enter Requisitions

Yvonne,

VERY IMPORTANT!!

Read the below email. I just spoke with CIP and they informed me that they will need two/three days to set up funds and B number account for the proposed park improvements for District two parks only after confirmation of approval from the commissioner's office.

We (parks) cannot issue a requisition for these individual improvements until CIP sets up the account.

TODAY is Thursday, August 9th meaning we only have five days to input the requisitions. We have several quotes already.

If we do not receive approval for the Quality of Life Funds I/A/O \$500,000 soon, we may not be able to meet the requisition deadline imposed by Finance.

I will be on vacation until 8/15 so it is important that when you respond, do so directly to Maria, copy me and that way we wont loose any time in getting the existing quotes into the system for a requisition, WHICH we cannot do without the pending approval of funds from your office and CIP's set up of funds/B-number.

Ed Blanco
Project Supervisor
City of Miami
Parks and Recreation

8/17/2007



DEPARTMENT OF CAPITAL IMPROVEMENTS
PROJECT OVERVIEW FORM

1. DATE: 8/28/07 DISTRICT: 2
 NAME OF PROJECT: ARMBRISTER PARK - NEW CONCRETE TERRACE
 INITIATING DEPARTMENT/DIVISION: Parks & Recreation
 INITIATING CONTACT PERSON/CONTACT NUMBER: Ed Blanco (305) 416-1253
 C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
 RESOLUTION NUMBER: _____ CIP/PROJECT NUMBER: B-39910E

2. BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes,
 TOTAL DOLLAR AMOUNT: \$38,000
 SOURCE OF FUNDS: Homeland Defense Neighborhood Parks 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 _____

3. SCOPE OF PROJECT:
 Individuals / Departments who provided input: _____
 DESCRIPTION OF PROJECT: Projects scope includes 1) Demolition: Remove all existing green concrete slab and remove from site. 2) Concrete: Provide new 4" concrete slab to replace the existing.

ADA Compliant? YES NO N/A
 Approved by Audit Committee? YES NO N/A DATE APPROVED: 8/21/07
 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 8/28/07
 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? YES NO If yes,
 DESIGN COST: _____
 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? YES NO N/A DATE APPROVED: _____
 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: _____

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: _____
 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: _____

6. COMMENTS: _____

APPROVAL: *Mando Lopez* DATE: 8/28/07
 BOND OVERSIGHT BOARD

EDFM CORPORATION
10021 SW 98TH AVENUE
MIAMI, FLORIDA 33176
786-228-9687 FAX 305-428-3724
EDFMCONSTRUCTION@GMAIL.COM

August 09, 2007

City of Miami
Department of Parks and Recreation
444 SW 2nd Ave.
Miami, Fla. 33130

Att: Edward Blanco, Project Supervisor

Re: Replace concrete slab at Arm Brister Park

Dear Mr. Blanco,

The following is our price to remove and replace the existing basketball concrete slab.
Our scope of work is as follows:

1. Demolition: Remove all existing "green" concrete slab and remove from site.
2. Concrete: Provide new 4" concrete slab to replace the existing.

TOTAL COST	<u>\$33,975.00</u>
ADD PLANS	<u>\$ 1,500.00</u>

\$ 35,475.00

Exclusions: Survey, permit fees, relocation of basketball poles.

Sincerely Yours
Fernando Rodriguez

CGC 024746



DEPARTMENT OF CAPITAL IMPROVEMENTS
PROJECT OVERVIEW FORM

1. DATE: 8/28/07 DISTRICT: 2
NAME OF PROJECT: ARMBRISTER PARK - AWNING FOR RECREATION BUILDING
INITIATING DEPARTMENT/DIVISION: Parks & Recreation
INITIATING CONTACT PERSON/CONTACT NUMBER: Ed Blanco (305) 416-1253
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-39910E

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$2,000
SOURCE OF FUNDS: Homeland Defense Neighborhood Parks 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

3. SCOPE OF PROJECT:
Individuals / Departments who provided input:
DESCRIPTION OF PROJECT: Projects scope includes new awning approximately (27'-5 X 5'-0 X 1'-9") frame Galv-Aluminum color.

ADA Compliant? [] YES [] NO [] N/A

Approved by Audit Committee? [X] YES [] NO [] N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED: 8/28/07
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? [] YES [] NO If yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS: Board recommended for awning to be removed during major storms by Park Manager.

APPROVAL [Signature] DATE: 8/28/07
BOND OVERSIGHT BOARD

Proposal

Awnings & Shades Co., Inc

670 NW 112 St
Miami, FL 33168

Date	Estimate #
8/7/2007	200781

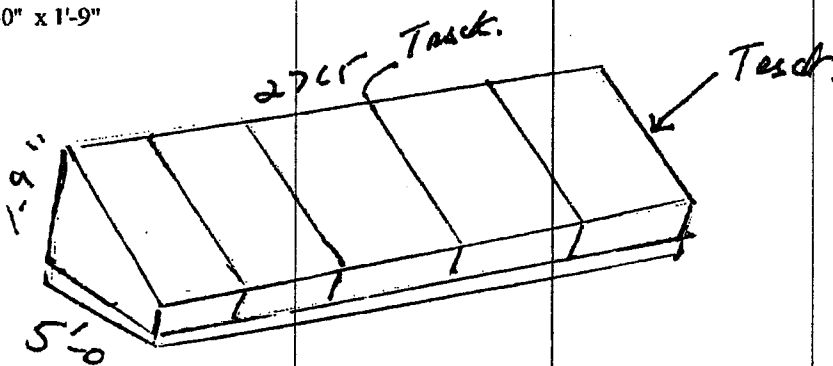
Phone #	Fax #	E-mail
305-759-5051	305-759-5052	sales@awningsandshades.com

Name / Address

City of Miami
Edward Blanco
Dept of Parks and Recreations
8th Floor
444 S.W. 2nd Ave

Project

Description (ARMBRISTER)	Qty	Rate	Total
RE: 236 GRAND AVE COCONUT GROVE PARK BACK AREA NEW AWNING APPRX 27'-5" x 5'-0" x 1'-9" Frame Galv Aluminum color FABric CP 2710 Sandalwood Delivery time 3 to 4 Weeks	1	1,500.00	1,500.00



THANK YOU FOR THE OPPORTUNITY TO BE OF SERVICE!!!!
TELEPHONE 305-759-5051 305-759-5052

Subtotal	\$1,500.00
Sales Tax	\$0.00
Total	\$1,500.00

****Hurricane Tips****
Cover must be removed
when winds approach 75 M.P. H

Signature _____



DEPARTMENT OF CAPITAL IMPROVEMENTS
PROJECT OVERVIEW FORM

1. DATE: 8/28/07 DISTRICT: 2
NAME OF PROJECT: MERRIE CHRISTMAS PARK- WALKWAYS/ADA COMPLIANCE RAMPS
INITIATING DEPARTMENT/DIVISION: Parks & Recreation
INITIATING CONTACT PERSON/CONTACT NUMBER: Ed Blanco (305) 416-1253
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-39910E

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$33,000
SOURCE OF FUNDS: District II Quality of Life 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

3. SCOPE OF PROJECT:

Individuals / Departments who provided input:
DESCRIPTION OF PROJECT: Projects scope includes 1) Walkways: Provide approximately 1780SF of new walkways 2) Railing: Provide approximately 350LF of walkway railings.

ADA Compliant? [] YES [] NO [] N/A

Approved by Audit Committee? [X] YES [] NO [] N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED: 8/28/07
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? [] YES [] NO If yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS:

APPROVAL: [Signature]
BOND OVERSIGHT BOARD

DATE: 8/28/07

EDFM CORPORATION
10021SW 98TH AVENUE
MIAMI, FLORIDA 33176
786-228-9687 FAX 305-428-3724
EDFMCONSTRUCTION@GMAIL.COM

August 09, 2007

City of Miami
Department of Parks and Recreation
444 SW 2nd Ave.
Miami, Fla. 33130

Att: Edward Blanco, Project Supervisor

Re: Merrie Christmas Park

Dear Mr. Blanco,

The following is our price to provide new walkways and railings at the above mentioned park. Our scope of work is as follows:

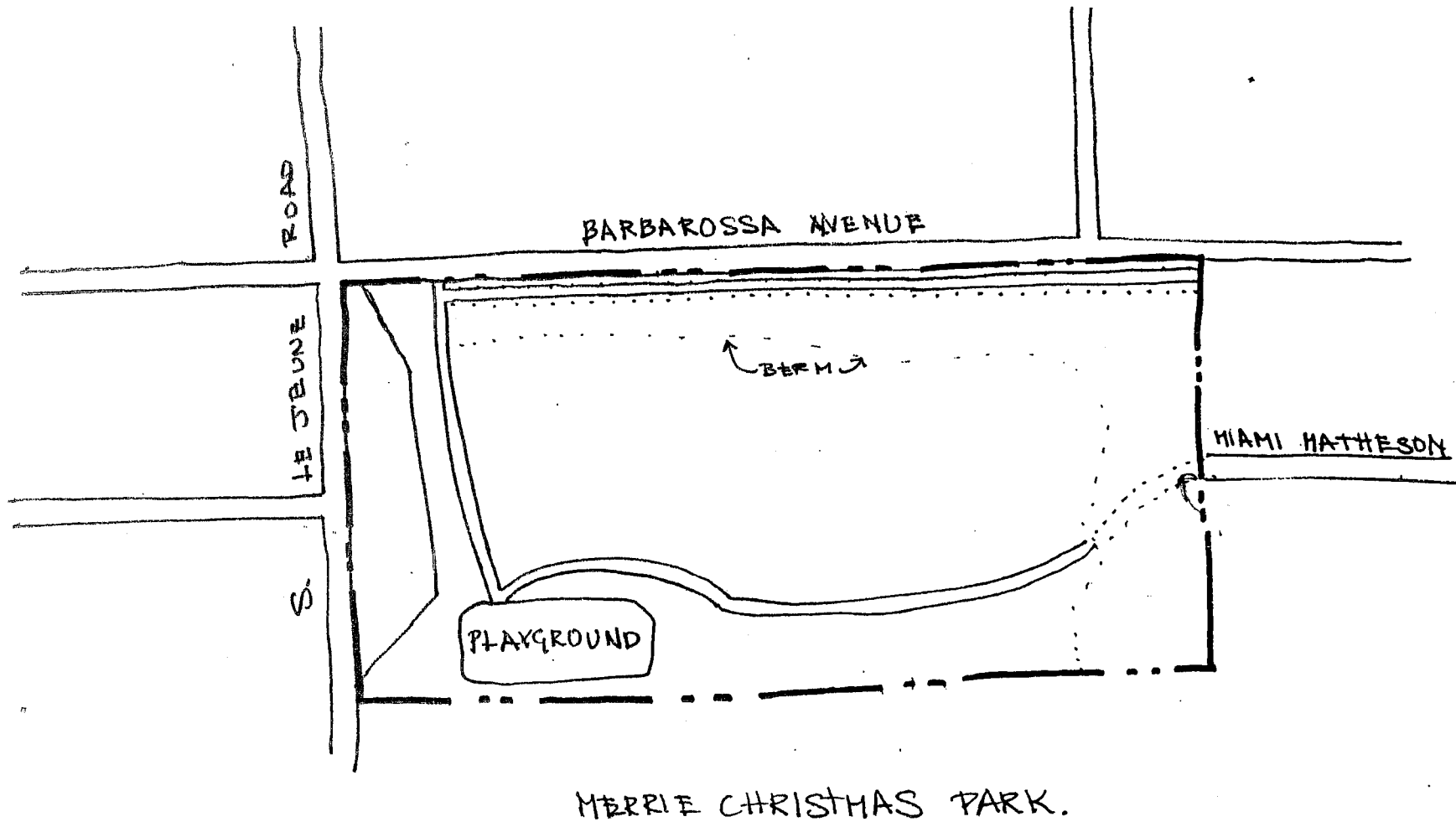
1. Walkways: Provide approximately 1780 SF of new walkways.
2. Railings: Provide approximately 350LF of walkway railings.

TOTAL COST \$28,912.00
ADD PLANS \$ 1,500.00
Exclusions: Survey, permit fees 30,412.00

\$ 30,412.00

Sincerely Yours
Fernando Rodriguez

CGC 024746



Item	Area	Issues	ADA Code Reference	Proposed Corrections	Photo
1	LeJeune Road Right-of Way	There are no existing sidewalks or curb ramps, no formal parking area provided. Transition from street to gravel swale area in poor condition; there is a 4" to a 6" change in grade down into swale area along entire length of LeJeune Road.		Informational.	003 007 008
2	LeJeune Road Swale Area	Swale area is not paved and is in poor condition due to root system of Banyan trees. Slopes range from 3% at best case to 7.5% at worse case. Area has an average cross slope of 7.8% down in North direction.	4.1.2(1)	Consider providing an accessible vehicular drop-off area on LeJeune Road swale area in proximity of and connected with the concrete walkway which accesses park. Recommend to locate near corner of Barbarossa for access to that path into park. Cost: \$1,800.00	003 008
3	Barbarossa Avenue Right-of-Way	Existing 5 ft. wide concrete sidewalk in good condition but does not extend out to street.	4.1.2(1)	Recommend to construct a walkway extension out to street at area of intersection of Barbarossa Avenue with LeJeune Road. Provide smooth transition between walkway and paving at street edge. Cost: \$760.00	002
4	Access Paths Into Park; South end of LeJeune Road.	There are two concrete access paths leading into the park from LeJeune Rd. The Southern most path has a vertical offset of +1" and slopes significantly down into park.	4.3.8	Provide directional signage indicating the location of an accessible entrance at the Barbarossa Avenue corner. Cost: \$150.00	
5	Access Paths Into Park; Northwest Corner of Park	There is a 5-foot wide concrete walkway that meets the dirt swale area approximately 25 feet south of the intersection of LeJeune and Barbarossa. The transition is flush. At this point the path is heading east into the park. At 20 feet east, the slope is 3.0%. At 40 feet into the park the path curves and heads south.	4.3.7	Recommend to designate this path the accessible route into park, locate the recommended accessible drop-off area here and extend walkway to it and to the Barbarossa St. sidewalk, then out to the street pavement. Informational.	004 009
6	Access Path; Turning South	At 160 feet south of it's start at LeJeune, the slope of this path is 5.0% and the cross slope is 3.7%. At 180 feet south, the slope is 3.0% and the cross slope is 3.8%.	4.3.7	Rework areas required to correct cross slope issue. Provide cross slope no greater than 2% at any location. Cost: \$1,140.00	
7	Fixed Metal Bench At 180 Feet South; approaching Playground and South Path into Park from LeJeune.	Metal bench is set in dirt. The left side of the path way has a 2 to 2½ inches vertical offset into dirt.	4.3.2(2) 4.2.4 4.5.1	Provide at least one accessible route connecting accessible buildings, facilities, elements and spaces that are on the same site. At the bench, provide a clear floor or ground space area for wheelchairs in compliance with 4.5; the area shall be stable, firm, slip-resistant and further comply with 4.5 requirements. Recommend to provide 5% of the benches throughout the park to comply with 4.3.2(2) and 4.2.4. Cost: \$1,100.00	010 011



DEPARTMENT OF CAPITAL IMPROVEMENTS

PROJECT OVERVIEW FORM

1. DATE: 8/28/07 DISTRICT: 2
 NAME OF PROJECT: GROVE HERITAGE- BRICK PAVERS INSTALLATION
 INITIATING DEPARTMENT/DIVISION: Parks & Recreation
 INITIATING CONTACT PERSON/CONTACT NUMBER: Ed Blanco (305) 416-1253
 C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
 RESOLUTION NUMBER: _____ CIP/PROJECT NUMBER: B-39910E

2. BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes,
 TOTAL DOLLAR AMOUNT: \$60,000
 SOURCE OF FUNDS: District II Quality of Life 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 _____

3. SCOPE OF PROJECT:

Individuals / Departments who provided input: _____
 DESCRIPTION OF PROJECT: Projects scope provides labor, material and equipment for the installation of brick pavers at the entrance and pathway which includes clearing and grubbing (including tree roots and stumps), installation of sub-base, compaction and the installation of brick pavers.

ADA Compliant? YES NO N/A

Approved by Audit Committee? YES NO N/A DATE APPROVED: 8/21/07
 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 8/28/07
 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? YES NO If yes,
 DESIGN COST: _____
 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? YES NO N/A DATE APPROVED: _____
 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: _____

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: _____
 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: _____

6. COMMENTS:

APPROVAL: [Signature] DATE: 8/28/07
 BOND OVERSIGHT BOARD

RE: GROVE HERITAGE GARDENS

REPOR BROTHERS INC.

GENERAL ENGINEERING CONTRACTORS

20555 NE 16TH AVE, C22, MIAMI - FL 33179

PHONE: 305 651-5700, FAX: 305 651-5706

PROPOSAL

Date : 8/6/2007

Project No.

Project Name :

Project Location :

To :

Don Foster

Oak Park _ Brick Pavers

Oak Road

Cocunut Grove, FL

City of Miami - Parks and Recreation Department

Attn : Fermin

Provide Labor, Material and Equipment

DESCRIPTION

QUANTITY UNIT

INSTALL BRICK PAVER (Entrances)

Clearing and Grubbing (Including tree roots and stumps)

3300 sf

Installation of subbase and compaction

3300 sf

Installation of brickpavers

3300 sf

INSTALL BRICK PAVER (Pathway)

Clearing and Grubbing (Including tree roots and stumps)

2765 sf

Installation of subbase and compaction

2765 sf

Installation of brickpavers

2765 sf

GRAND TOTAL \$54,765.00



DEPARTMENT OF CAPITAL IMPROVEMENTS

PROJECT OVERVIEW FORM

1. DATE: 8/28/07 DISTRICT: 2
NAME OF PROJECT: MORNINGSID PARK - NEW ASPHALT OVERLAY FOR ROADS AND PARKING
INITIATING DEPARTMENT/DIVISION: Parks & Recreation
INITIATING CONTACT PERSON/CONTACT NUMBER: Ed Blanco (305) 416-1253
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-39910E

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$145,000
SOURCE OF FUNDS: District II Quality of Life 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

3. SCOPE OF PROJECT:

Individuals / Departments who provided input:
DESCRIPTION OF PROJECT: Projects scope provides the asphalt overlay 1" (Total: 137,830 S.F), striping parking areas as specified. (Parking area #1 has 14 regular parking spaces & 2 handicap), (Parking area #2 has 36 regular spaces & 2 handicap) (Continuation of scope attached).

ADA Compliant? [] YES [] NO [] N/A

Approved by Audit Committee? [X] YES [] NO [] N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED: 8/28/07
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? [] YES [] NO If yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS:

APPROVAL: [Signature] DATE: 8/28/07
BOND OVERSIGHT BOARD

TECHNOLOGY CONSTRUCTION CORP.

2440 SW 23rd Terrace
Miami, FL 33145
Phone 786-457-3357
Fax: 305-854-7292

Licensed and Insured
GC- C 044480

Owner: City of Miami Parks & Recreation Dept.
Address: 1950 NW 12th Ave.
City, State, and Zip: Miami, FL 33136

Phone: 305-960-3003
Fax: 305-960-3019

Date: 08/14/2007

Attn: Raphael Gonzalez
Parks Operations Coordinator

Re: Construction Services for: Morningside Park located at 750 N.E. 55th Terr. in Miami, FL.

Proposed Asphalt Overlay for Parking Areas and Park Roads

We are pleased to submit this proposal/Contract for the construction services to be rendered.

Scope of work: Asphalt Overlay 1" (Total: 137,830 Sq. Ft.), Striping for Parking Areas as specified (Parking Area #1 has 14 Regular Spaces 2 Handicap), (Parking Area #2 has 36 Regular Spaces 2 Handicap), (Parking Area #3 has 33 Regular Spaces 2 Handicap), (Parking Area #4(Office) has 20 Regular Spaces 2 Handicap)

Total Cost of all above described service shall be: \$143,730.00

We are looking forward to working with the City of Miami on this project and any other projects in the future. Thank you for the opportunity to submit this proposal.

Sincerely,

Roberto Puga
Technology Construction Corp.


Alberto Pardo
Technology Construction Corp.

Date:

Acceptance



DEPARTMENT OF CAPITAL IMPROVEMENTS

PROJECT OVERVIEW FORM

1. DATE: 8/28/07 DISTRICT: 2
NAME OF PROJECT: MORNINGSIDE PARK - ASPHALT PARKING AREA FOR BOAT TRAILERS
INITIATING DEPARTMENT/DIVISION: Parks & Recreation
INITIATING CONTACT PERSON/CONTACT NUMBER: Ed Blanco (305) 416-1253
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-39910E

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$30,000
SOURCE OF FUNDS: District II Quality of Life 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

3. SCOPE OF PROJECT:
Individuals / Departments who provided input:
DESCRIPTION OF PROJECT: Projects scope provides asphaltng Parking area for Boat Trailer in a 6" Lime Rock, 1" Asphalt to 12,560 s.f.

ADA Compliant? [] YES [] NO [] N/A

Approved by Audit Committee? [X] YES [] NO [] N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED: 8/28/07
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? [] YES [] NO If yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS:

APPROVAL: [Signature] DATE: 8/28/07
BOND OVERSIGHT BOARD

TECHNOLOGY CONSTRUCTION CORP.

2440 SW 23rd Terrace
Miami, FL 33145
Phone 786-457-3357
Fax: 305-854-7292

Licensed and Insured
OC- C 044480

Owner: City of Miami Parks & Recreation Dept.
Address: 1950 NW 12th Ave.
City, State, and Zip: Miami, FL 33136

Phone: 305-960-3003
Fax: 305-960-3019

Date: 08/14/2007

Attn: Raphael Gonzalez
Parks Operations Coordinator

Re: Construction Services for: Morningside Park located at 750 N.E. 55th Terr. in Miami, FL.

Proposed Asphalt Parking Area for Boat Trailers

We are pleased to submit this proposal/Contract for the construction services to be rendered.

Scope of work: 6" of Lime rock , 1" Asphalt : 12,560 Sq. Ft.

Total Cost of all above described service shall be: \$27,004.00

We are looking forward to working with the City of Miami on this project and any other projects in the future. Thank you for the opportunity to submit this proposal.

Sincerely,


Raul Pulg
Technology Construction Corp.


Alberto Hernandez
Technology Construction Corp.

Date: _____

Acceptance _____





DEPARTMENT OF CAPITAL IMPROVEMENTS
PROJECT OVERVIEW FORM

1. DATE: 8/28/07 DISTRICT: CW
 NAME OF PROJECT: **ORANGE BOWL STADIUM CRITICAL REPAIRS PROJECT**
 INITIATING DEPARTMENT/DIVISION: Capital Improvements Program
 INITIATING CONTACT PERSON/CONTACT NUMBER: Gary Fabrikant (305)416-1224
 C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
 RESOLUTION NUMBER: _____ CIP/PROJECT NUMBER: B-30153D

2. BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes,
 TOTAL DOLLAR AMOUNT: \$524,609
 SOURCE OF FUNDS: Homeland Defense Bonds (Series II)
 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: Project scope includes the repair of deteriorated railing, railing post, and/or railing gating, the installation of metal decking to encapsulate damage areas, the repairs of deteriorated metal pan seating and expansion joints, removal of spalling concrete and the replacement of broken benches at the west end zone. (Continuation of scope attached)

ADA Compliant? YES NO N/A
 Approved by Audit Committee? YES NO N/A DATE APPROVED: 8/21/07
 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 8/28/07
 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? YES NO If yes,
 DESIGN COST: _____
 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? YES NO N/A DATE APPROVED: _____
 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: _____

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: _____
 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: _____

6. COMMENTS: Board recommended that no additional Homeland Defense funds can be spent unless for emergency or critical structure repairs. Based on UM's decision today to move to Dolphin Stadium in 2008.

APPROVAL: *Mando Lopez* DATE: 8/28/07
 BOND OVERSIGHT BOARD



PROJECT ANALYSIS FORM

Capital Improvements & Transportation

CIP
NON-CIP

Date Prepared:	10-Aug-2007
VERSION:	ORIGINAL

NEW PROJECT PROGRAM 325 - Public Facilities AREA Recreation & Culture - 2

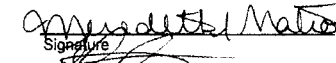
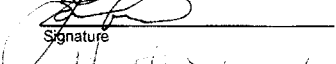
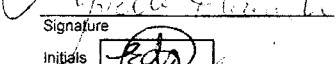

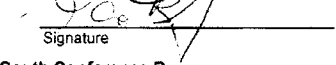
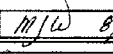
PROJECT NAME: Orange Bowl Stadium Critical Repairs		PROJECT NO: B-30153D
ADDRESS / LOCATION: 1501 NW 3rd Street		DISTRICT:
PROJECT TEAM: Vertical		PROJECT CONTRACTED COST: \$ -
CATEGORY: Stadiums		PROJECT EST. COST: \$ 524,608.69
CLIENT DEPT: Conf. Conv. & Public Facil. - 35		CURRENT FUNDS: \$ 524,609.00
CLIENT CONTACT: Laura Billberry	TEL.: (305) 416-1452	FUTURE FUNDS: \$ -
DESIGN MANAGER: Meredith Nation	TEL.: (305) 416-1285	FUND SHORTFALL:
CONSTR. MANAGER:	TEL.:	PROCUREMENT: JOC
EST. DESIGN START: 08/10/07	EST. BID ADV.:	EST. CONSTRUCTION START: 08/13/07
EST. DESIGN END: 08/12/07	EST. AWARD DATE:	EST. CONSTRUCTION END: 08/31/07

PROJECT ESTIMATED AND ACTUAL COSTS	PRODUCTION PHASE (3-DES)		% of Const	Estimated Design	% of Const	Contracted Design
	Prime Consultant:	CODE				
	1 Outside Consultant - Basic Design Fee	01.01	0.0%		0.0%	
	2 Outside Consultant - Additional Design Services	01.01	0.0%		0.0%	
	3 CIP In-House - Basic Design Fee	01.02	0.0%		0.0%	
	4 CIP - Production Management	01.02	0.0%	\$ -	0.0%	
	5 General Production Phase Contingency	01.01	0.0%		0.0%	\$ -
	6					
	7					
	8					
PRODUCTION TOTALS			Estimated		Contracted	
			\$ -		\$ -	
CONSTRUCTION PHASE (4-CON)		CODE	Estimated Construction by PM		Contracted Construction (Formal Bid, Informal Bid or JOC Method)	
Prime Contractor:						
1 Construction Cost (Prime Contractor)	02	\$	450,746.85			
2 Construction Contingency Allowance	02	14.7%	\$ 66,109.00	0.0%	\$ -	
3 Additional Services / Change Orders (Prime Contractor)						
4						
5						
6						
7						
8						
CONSTRUCTION TOTALS			Estimated		Contracted	
			\$ 516,855.85		\$ -	
CONSTRUCTION ADMINISTRATION (8-CEO)		CODE	Estimated CEO		Contracted CEO	
1 Construction Engineering Observation (CEO) Consultant			0.0%		0.0%	
2 Construction Engineering Observation CIP/Transportation			0.0%		0.0%	
3 JOC Administration - The Gordian Group (Always 1.5%)		03.03	1.5%	\$ 7,752.84	1.5%	\$ -
CONSTRUCTION ADMINISTRATION TOTALS			Estimated		Contracted	
			\$ 7,752.84		\$ -	
ADMINISTRATIVE EXPENSES (6-ADM)		CODE	Estimated ADMIN		Contracted ADMIN	
1 CIP Department (Mgmt./Budget/Procurement/Comm.):			0.0%	\$ -	0.0%	
ADMINISTRATIVE EXPENSES TOTALS			Estimated		Contracted	
			\$ -		\$ -	
ADDITIONAL PROJECT TASKS		CODE	Estimated TASKS		Contracted TASKS	
1 EQUIPMENT (5-EQU):						
2 PLANNING (2-PLN):						
3 ACQUISITION EXPENSES (1-LAQ) Land:						
4 ACQUISITION EXPENSES (1-LAQ) Transaction:						
5 PROGRAM MANAGEMENT (0-MGT):						
ADDITIONAL PROJECT TASKS TOTALS			Estimated		Contracted	
			\$ -		\$ -	
B-30153D PROJECT GRAND TOTAL			Estimated		Contracted	
			\$ 524,608.69		\$ -	

PROJECT SCOPE After conducting a field re-evaluation or forensic of the facility, construction services are required for the developed scope that comprises the structural repair of unsafe conditions jeopardizing the safety of building occupants. The scope encompasses the repair of deteriorated railing, railing post, and/or railing gating; the installation of metal decking to encapsulate damage areas; the repair of deteriorated metal pan seating and expansion joints; removal of spalling concrete; and the replace of broken benches at the west end zone. Repairs to be done are located in different areas of the facility. Furthermore, the scope will entail taking safety measures by installing temporary structural barriers to isolate specific areas of the stadium where spalling concrete and deteriorated underside of metal pan seating could potentially endanger the use of the facility. The scope of repair is scheduled to be completed prior to the start of the upcoming 2007 football season, on September 1st.

PAF	Operating Cost Associated with Project:	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5

FUND SOURCES	AWARD NAME AND NUMBER	AVAILABLE	FUTURE
		HD - Homeland Defense Bonds (Series 2) -FD385200-2 Please See Note Below	\$ 524,609.00
	B-30153D FUND GRAND TOTAL \$ 524,609.00	ACTUAL \$ 524,609.00	PROJECTED \$ -

VALIDATION	Initiated by: Meredith Nation Project Manager		Date: 8/10/07
	Approved by: Gary Fabrikant Senior Project Manager		Date: 8/10/07
	Reviewed by: Yvette Maragh CIP Budget Administrator		Date: 8/10/07
	Verified by: Edwige De Crumpe / Program Controls Staff	Initials: 	
	Accepted by: Laura Billberry Director: Asset Management		Date: 8/10/07
	ORIGINAL TO: Melanie Whitaker / 10th Floor South Conference Room	Initials: 	

Notes	Receipt of PAF by Danette Perez - CIP Public Relations Coordinator	8-10-07	
	Project MUST be Presented to the Bond Oversight Board	Date Received	Signature or Initials

Executed PAF MUST 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: 8/28/07 DISTRICT: 5
NAME OF PROJECT: WILLIAMS PARK RECREATIONAL BUILDING IMPROVEMENTS PROJECT
INITIATING DEPARTMENT/DIVISION: Capital Improvements Program
INITIATING CONTACT PERSON/CONTACT NUMBER: David Mendez (305) 416-1240
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-75991

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$1,886,213
SOURCE OF FUNDS: \$877,200 HD Neighborhood Park Series/\$375,000 HD NE 2nd Avenue Improvements Series/\$634,013 HD Series II
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: Project scope includes 1) Proposed Building Expansion: Park Manager office with filing space, sports equipment storage, multi-purpose room expansion. Total addition area is approximately 2,000 sf. 2) Existing Building Renovation: Renovate kitchen, renovate restrooms, provide new accessible restroom, computer room, art & crafts classroom(Continuation of scope attached)

ADA Compliant? [] YES [] NO [] N/A
Approved by Audit Committee? [X] YES [] NO [] N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED: 8/28/07
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? [] YES [] NO If yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS:

APPROVAL: [Signature] DATE: 8/28/07
BOND OVERSIGHT BOARD

Enclosures: Back-Up Materials [X] YES [] NO



PROJECT ANALYSIS FORM

Capital Improvements & Transportation

Date Prepared:	3-Aug-2007
VERSION:	REV01

PROGRAM AREA

PROJECT NAME: Williams Park Improvements		PROJECT NO: B-75991
ADDRESS / LOCATION: 1717 NW 5th Avenue		DISTRICT: 5
PROJECT TEAM: Vertical	PROJECT CONTRACTED COST: \$ 811,089.23	
CATEGORY: Parks & Recreation	PROJECT EST. COST: \$ 1,886,213.00	
CLIENT DEPT: Parks & Recreation - 58	CURRENT FUNDS: \$ 1,252,200.00	
CLIENT CONTACT: Maria Perez	TEL.: (305) 416-1314	FUTURE FUNDS: \$ 634,013.00
DESIGN MANAGER: Edgar Munoz	TEL.: (305) 416-1275	FUND SHORTFALL:
CONSTR. MANAGER: Ed Herald (VT)	TEL.: (305) 416-1290	PROCUREMENT: JOC
EST. DESIGN START: 01/18/05	EST. BID ADV.:	EST. CONSTRUCTION START: 11/19/06
EST. DESIGN END: 09/25/06	EST. AWARD DATE:	EST. CONSTRUCTION END: 07/29/07

PRODUCTION PHASE (3-DES)		% of Const	Estimated Design	% of Const	Contracted Design
Prime Consultant:	CODE				
1	Outside Consultant - Basic Design Fee	01.01	4.2% \$ 72,496.00	10.5%	\$ 73,589.50
2	Outside Consultant - Additional Design Services	01.01	0.4% \$ 6,304.00	1.1%	\$ 7,481.50
3	CIP In-House - Basic Design Fee	01.02	\$ -		\$ -
4	CIP - Production Management	01.02	\$ -	0.0%	\$ -
5	General Production Phase Contingency	01.01	18.0% \$ 14,204.00	11.3%	\$ 9,123.59
6	Special Fees / Assessments - MDWASD	01.01	\$ -		\$ 2,809.41
7			\$ -		\$ -
8			\$ -		\$ -
9			\$ -		\$ -
10			\$ -		\$ -
11			\$ -		\$ -
12			\$ -		\$ -
PRODUCTION TOTALS			Estimated	Contracted	
			\$ 93,004.00	\$	83,880.41

CONSTRUCTION PHASE (4-CON)		Estimated Construction by PM	Contracted Construction (Formal Bid, Informal Bid or JOC Method)
Prime Contractor:	CODE		
1	Construction Cost (Prime Contractor)	02	\$ 1,552,822.73
2	Construction Contingency Allowance	02	10.0% \$ 155,282.27
3	Additional Services / Change Orders (Prime Contractor)		\$ -
4	Other Construction Related Services		\$ -
5			\$ -
6			\$ -
7			\$ -
8			\$ -
CONSTRUCTION TOTALS		Estimated	Contracted
		\$ 1,708,105.00	\$ 697,829.38

CONSTRUCTION ADMINISTRATION (8-CEO)		Estimated CEO	Contracted CEO
1	Construction Engineering Observation (CEO) Consultant	03.01	2.4% \$ 40,570.42
2	Construction Engineering Observation CIP/Transportation		\$ -
3	JOC Administration - The Gordian Group (Always 1.5%)	03.03	1.5% \$ 25,621.58
CONSTRUCTION ADMINISTRATION TOTALS		Estimated	Contracted
		\$ 66,192.00	\$ 10,467.44

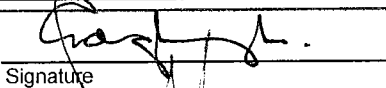
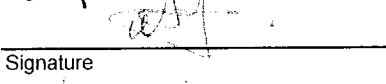
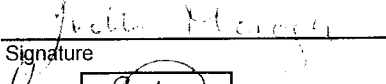
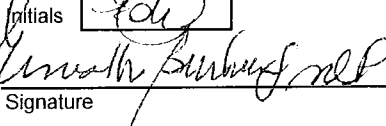
ADMINISTRATIVE EXPENSES (6-ADM)		Estimated ADMIN	Contracted ADMIN
1	CIP Department (Mgmt./Budget/Procurement/Comm.):	04	1.1% \$ 18,912.0
ADMINISTRATIVE EXPENSES TOTALS		Estimated	Contracted
		\$ 18,912.00	\$ 18,912.00

PROJECT ESTIMATED AND ACTUAL COSTS

ADDITIONAL PROJECT TASKS		CODE	Estimated TASKS	Contracted TASKS
1	EQUIPMENT (5-EQU):		\$ -	\$ -
2	PLANNING (2-PLN):		\$ -	\$ -
3	ACQUISITION EXPENSES (1-LAQ) <u>Land</u> :		\$ -	\$ -
4	ACQUISITION EXPENSES (1-LAQ) <u>Transaction</u> :		\$ -	\$ -
5	PROGRAM MANAGEMENT (0-MGT):		\$ -	\$ -
ADDITIONAL PROJECT TASKS TOTALS			Estimated	Contracted
			\$ -	\$ -
B-75991 PROJECT GRAND TOTAL			Estimated	Contracted
			\$ 1,886,213.00	\$ 811,089.23

PROJECT SCOPE	<p>1) Proposed Building Expansion: Park Manager Office with filing space, sports equipment storage, multi-purpose room expansion. Total Addition Area is approximately 2,000 SF. 2) Existing Building Renovations: Renovate Kitchen, renovate restrooms, provide new accessible restroom, computer room, arts & crafts and classroom. 3) New landscaping and irrigation around the building. 4) determine solutions to Accessibility Evaluation Report at areas not directed related to the project (Bid add alternate). 5) Pool Building: Interior/Exterior painting, provide lockers, windows and security bars to be replaced, renovate vestibule, renovate plaza connecting recreation building with pool building, provide a shade structure adjacent to pool, provide drainage system for plaza and around recreation building.</p>					
	Operating Cost Associated with Project:	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5

FUND SOURCES	AWARD NAME AND NUMBER		AVAILABLE	FUTURE
	HD Neighborhood Park Series 1 - 1058	Please See Note Below	\$ 877,200.00	\$ -
HD NE 2nd Ave. Improv. Series - 1080	Please See Note Below	\$ 375,000.00	\$ -	
HD - Homeland Defense Bonds (Series 2) -FD385200-2	Please See Note Below	\$ -	\$ 634,013.00	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
		\$ -	\$ -	
B-75991 FUND GRAND TOTAL	\$ 1,886,213.00	ACTUAL	PROJECTED	
		\$ 1,252,200.00	\$ 634,013.00	

VALIDATION	Initiated by: <u>Munoz, Edgar</u> Project Manager	 Signature	Date: <u>8/3/07</u>
	Approved by: <u>Ola O. Aluko</u> Director Capital Improvements	 Signature	Date: <u>8/6/07</u>
	Reviewed by: <u>Yvette Maragh</u> CIP Budget Administrator	 Signature	Date: <u>8/7/07</u>
	Verified by: <u>Edwige De Crumpe</u> / Program Controls Staff	Initials: <u>EDC</u>	
	Accepted by: <u>Ernest Burkeen</u> Director: Parks & Recreation	 Signature	Date: <u>8/8/07</u>
ORIGINAL TO: <u>Melanie Whitaker / 10th Floor South Conference Room</u>			Initials: <u></u>

Notes	Receipt of PAF by Danette Perez - CIP Public Relations Coordinator	<u>8/10/07</u>
	<u>Project MUST be Presented to the Bond Oversight Board</u>	Date Received / Signature or Initials

Executed PAF MUST 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: 8/28/07 DISTRICT: 1
NAME OF PROJECT: FERN ISLE PARK PROJECT
INITIATING DEPARTMENT/DIVISION: Capital Improvements Program
INITIATING CONTACT PERSON/CONTACT NUMBER: David Mendez (305) 416-1240
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-30316

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$6,334,740 (\$6, 278,553 is Homeland Defense Series I & II)
SOURCE OF FUNDS: \$300,000 HD Neighborhood Park Series/\$5,367,000 HD Fern Clean Up & Rev Series
1/\$140,000 HD-Interest/\$471,553 HDNIB Series II/\$56, 187 Safe Neighborhood Park Bond 3rd Year.

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: Project includes to design and construct 2 regulation baseball/softball fields,
back-stops, spectators seating, children's play structure, 3500 s.f. building (concession, restroom, field storage), open
shelters, vita course, landscape, parking lot, new turn around traffic loops, fencing, sport and security lighting,
basketball court. (Continuation of scope attached)

ADA Compliant? [] YES [] NO [] N/A

Approved by Audit Committee? [X] YES [] NO [] N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED: 8/28/07
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? [] YES [] NO If yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS:

APPROVAL: [Signature] DATE: 8/28/07
BOND OVERSIGHT BOARD



PROJECT ANALYSIS FORM

Capital Improvements & Transportation

Date Prepared:	6-Aug-2007
VERSION:	REV04

PROGRAM 331 - Parks & Recreation AREA Recreation & Culture - 2

PROJECT NAME: Fern Isle Park		PROJECT NO: B-30316	
ADDRESS / LOCATION: 2201 NW 11 Street		DISTRICT: 1	
PROJECT TEAM: Vertical		PROJECT CONTRACTED COST: \$ 5,794,934.95	
CATEGORY: Parks & Recreation		PROJECT EST. COST: \$ 6,334,740.00	
CLIENT DEPT: Parks & Recreation - 58		CURRENT FUNDS: \$ 5,863,187.00	
CLIENT CONTACT: Maria Perez	TEL.: (305) 416-1314	FUTURE FUNDS: \$ 471,553.00	
DESIGN MANAGER: Neal Poteet (VT)	TEL.: (305) 416-1271	FUND SHORTFALL:	
CONSTR. MANAGER: Ed Herald (VT)	TEL.: (305) 416-1290	PROCUREMENT: JOC	
EST. DESIGN START: 08/01/04	EST. BID ADV.:	EST. CONSTRUCTION START: 02/16/06	
EST. DESIGN END: 08/30/06	EST. AWARD DATE:	EST. CONSTRUCTION END: 11/07/07	

PRODUCTION PHASE (3-DES)		% of Const	Estimated Design	% of Const.	Contracted Design
Prime Consultant:		CODE			
1	Outside Consultant - Basic Design Fee	01.01	1.4% \$ 79,583.00	1.1%	\$ 54,966.06
2	Outside Consultant - Additional Design Services	01.01			\$ -
3	CIP In-House - Basic Design Fee	01.02	\$ -		\$ -
4	CIP - Production Management	01.02	2.5% \$ 140,000.00	2.7%	\$ 140,000.00
5	General Production Phase Contingency	01.01	32.1% \$ 25,566.00	0.3%	\$ 12,988.60
6	Miscellaneous Services - Asbestos Survey	01.01	\$ 1,045.00		\$ 1,045.00
7					\$ -
8					\$ -
9					\$ -
10	Consulting Engineering & Science	01.01	\$ 105,812.00		\$ 134,596.00
11	F R Aleman & Associates	01.01	\$ -		\$ 3,692.58
12	Gordian Group (Oracle - wrong phase)	01.01	\$ -		\$ 4,717.76
PRODUCTION TOTALS			Estimated		Contracted
			\$ 352,006.00		\$ 339,017.40

CONSTRUCTION PHASE (4-CON)		Estimated Construction by PM	Contracted Construction (Formal Bid, Informal Bid or JOC Method)
Prime Contractor: F&L Construction		CODE	
1	Construction Cost (Prime Contractor)	02	\$ 4,478,331.14
2	Construction Contingency Allowance	02	24.9% \$ 1,114,072.66
3	Additional Services / Change Orders (Prime Contractor)	02	\$ 707,603.97
4	Other Construction Related Services		\$ -
5			\$ -
6			\$ -
7			\$ -
8			\$ -
CONSTRUCTION TOTALS			Estimated
			\$ 5,592,403.80
			Contracted
			\$ 5,185,935.11

CONSTRUCTION ADMINISTRATION (8-CEO)		Estimated CEO	Contracted CEO
1	Construction Engineering Observation (CEO) Consultant	03.01	2.8% \$ 158,228.44
2	Construction Engineering Observation CIP/Transportation		\$ -
3	JOC Administration - The Gordian Group (Always 1.5%)	03.03	1.5% \$ 127,101.76
CONSTRUCTION ADMINISTRATION TOTALS			Estimated
			\$ 285,330.20
			Contracted
			\$ 164,982.44

ADMINISTRATIVE EXPENSES (6-ADM)		Estimated ADMIN	Contracted ADMIN
1	CIP Department (Mgmt./Budget/Procurement/Comm.):	04	1.9% \$ 105,000.0
ADMINISTRATIVE EXPENSES TOTALS			Estimated
			\$ 105,000.00
			Contracted
			\$ 105,000.00

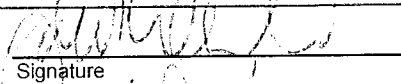
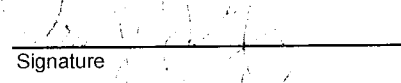
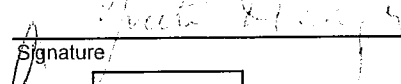
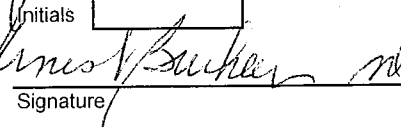
PROJECT ESTIMATED AND ACTUAL COSTS

ADDITIONAL PROJECT TASKS		CODE	Estimated TASKS	Contracted TASKS
1	EQUIPMENT (5-EQU):		\$ -	\$ -
2	PLANNING (2-PLN):		\$ -	\$ -
3	ACQUISITION EXPENSES (1-LAQ) <u>Land</u> :		\$ -	\$ -
4	ACQUISITION EXPENSES (1-LAQ) <u>Transaction</u> :		\$ -	\$ -
5	PROGRAM MANAGEMENT (0-MGT):		\$ -	\$ -
ADDITIONAL PROJECT TASKS TOTALS			Estimated	Contracted
			\$ -	\$ -

B-30316	PROJECT GRAND TOTAL	Estimated	Contracted
		\$ 6,334,740.00	\$ 5,794,934.95

PROJECT SCOPE	Design and construct 2 regulation baseball / softball fields, back-stops, spectator seating, children's play structure, 3,500 s.f. building (concession, restroom, field storage), open shelters, vita course, landscape, parking lot, new turn around traffic loops, fencing, sport and security lighting, basketball court. Site mitigation to address contaminated soil, including covering the entire site with 2ft. of clean fill, retaining walls at perimeter of park and monitoring wells.					
	Operating Cost Associated with Project:	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5

FUND SOURCES	AWARD NAME AND NUMBER		AVAILABLE	FUTURE
		HD Neighborhood Park Series 1 - 1058	Please See Note Below	\$ 300,000.00
	HD Fern Cleanup & Rev Series 1 - 1067	Please See Note Below	\$ 5,367,000.00	\$ -
	HD-Interest - 1206	Please See Note Below	\$ 140,000.00	\$ -
	HD - Homeland Defense Bonds (Series 2) -FD385200-2	Please See Note Below	\$ -	\$ 471,553.00
	Safe Neighborhood Parks Bond 3rd Year -FD373003		\$ 56,187.00	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
	B-30316 FUND GRAND TOTAL	\$ 6,334,740.00	ACTUAL \$ 5,863,187.00	PROJECTED \$ 471,553.00

VALIDATION	Initiated by: <u>Ed Herald</u> Project Manager		Date: <u>8/8/07</u>
	Approved by: <u>Ola O. Aluko</u> Director: Capital Improvements		Date: <u>8/10/07</u>
	Reviewed by: <u>Yvette Maragh</u> CIP Budget Administrator		Date: <u>8/9/07</u>
	Verified by: <u>Edwige De Crumpe</u> / Program Controls Staff	Initials: <input type="text"/>	
	Accepted by: <u>Ernest Burkeen</u> Director: Parks & Recreation		Date: <u>8/9/07</u>
	ORIGINAL TO: <u>Melanie Whitaker / 10th Floor South Conference Room</u>	Initials: <input type="text"/>	

Notes	Receipt of PAF by Danette Perez - CIP Public Relations Coordinator	<u>8/10/07</u>
	Project MUST be Presented to the Bond Oversight Board	Date Received / Signature or Initials

Executed PAF MUST 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: 8/28/07 DISTRICT: 3 & 4
NAME OF PROJECT: SHENANDOAH TRAFFIC CALMING - PHASE I
INITIATING DEPARTMENT/DIVISION: Capital Improvements Program
INITIATING CONTACT PERSON/CONTACT NUMBER: David Mendez (305) 416-1240
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-30167

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$1,780,500 (\$103,500 is Homeland Defense Series I)
SOURCE OF FUNDS: \$103,500 HDNIB Series/\$1,409,095 Transit Half-Cent Surtax/\$267,905 Transit Half Cent Surtax (FY07).

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: Project consists of traffic calming devices to include traffic circles, medians, curb, signing and pavement marking as recommend by traffic studies performed.

ADA Compliant? [] YES [] NO [] N/A
Approved by Audit Committee? [X] YES [] NO [] N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED: 8/28/07
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? [] YES [] NO If yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS: Board requested for circles to be looked at closely and to make sure there constructed according to guideline and design plans. Constituents are questioning the size of the circles and the difficulties for large trucks to drive around them.

APPROVAL: [Signature] DATE: 8/28/07
BOND OVERSIGHT BOARD



PROJECT ANALYSIS FORM

Capital Improvements & Transportation

CIP
 NON-CIP

Date Prepared:	14-Aug-2007
VERSION	REV01

PROGRAM 341-Streets & Sidewalks AREA 3-Infrastructure & Environment

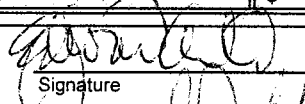
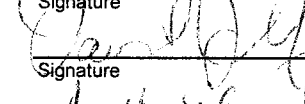
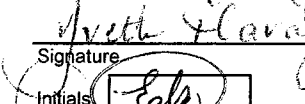
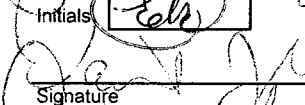
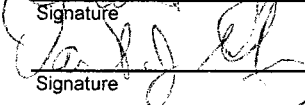
PROJECT NAME: Shenandoah Traffic Calming - Phase 1		PROJECT NO: B-30167
ADDRESS / LOCATION: Shenandoah Area		DISTRICT: 3,4
PROJECT TEAM: Horizontal	PROJECT CONTRACTED COST: \$ 1,026,527.15	
CATEGORY: Streets and Sidewalks	PROJECT EST. COST: \$ 1,780,500.00	
CLIENT DEPT: 122-Transportation & Transit	CURRENT FUNDS: \$ 1,780,500.00	
CLIENT CONTACT: Ola Aluko	TEL.: (305) 416-1471	FUTURE FUNDS:
DESIGN MANAGER: Ed Herald (CIP)	TEL.: 305-416-1290	FUND SHORTFALL:
CONSTR. MANAGER: Ed Herald (CIP)	TEL.: 305-416-1290	PROCUREMENT: JOC
EST. DESIGN START: 10/29/05	EST. BID ADV.:	EST. CONSTRUCTION START: 08/28/06
EST. DESIGN END: 04/29/06	EST. AWARD DATE:	EST. CONSTRUCTION END: 09/30/07

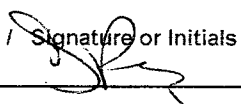
PROJECT ESTIMATED AND ACTUAL COSTS	PRODUCTION PHASE (3-DES)		% of Const	Estimated Design	% of Const	Contracted Design
	Prime Consultant: 0000 To be Assigned	CODE				
	1 DESIGN (3-DES)	1				
	2					
	PRODUCTION TOTALS			Estimated		Contracted
	CONSTRUCTION PHASE (4-CON)		Estimated Construction by PM	Contracted Construction (Formal Bid, Informal Bid or JOC Method)		
	Prime Contractor: 4169 F H Paschen, SN Nielsen - JOC	CODE				
	1 CONSTRUCTION (4-CON)	2	92% \$ 1,542,095.91			
	2 Misc. Construction Services	2.01	8% \$ 138,405.00			
	3					
CONSTRUCTION TOTALS			Estimated		Contracted	
			\$ 1,680,500.91		\$ 962,095.71	
CONSTRUCTION ADMINISTRATION (8-CEO)		Estimated CEO	Contracted CEO			
1 CONST. ENGINEERING OBSERV. (8-CEO)	3	1.6% \$ 26,868.09				
2 JOC Administration - The Gordian Group (Always 1.5%)	3.03	1.4% \$ 23,131.00				
3						
CONSTRUCTION ADMINISTRATION TOTALS			Estimated		Contracted	
			\$ 49,999.09		\$ 14,431.44	
ADMINISTRATIVE EXPENSES (6-ADM)		Estimated ADMIN	Contracted ADMIN			
1 ADMINISTRATIVE EXPENSES (6-ADM)	4	3.0% \$ 50,000.00				
2						
ADMINISTRATIVE EXPENSES TOTALS			Estimated		Contracted	
			\$ 50,000.00		\$ 50,000.00	
ADDITIONAL PROJECT TASKS		Estimated TASKS	Contracted TASKS			
1	CODE					
ADDITIONAL PROJECT TASKS TOTALS			Estimated		Contracted	
B-30167 PROJECT GRAND TOTAL			Estimated		Contracted	
			\$ 1,780,500.00		\$ 1,026,527.15	

PROJECT SCOPE	This project consists of traffic calming devices to include traffic circles, medians, curb, signing and pavement marking as recommend by traffic studies performed.					
	Operating Cost Associated with Project:	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5

Notes	
-------	--

FUND SOURCES	AWARD NAME AND NUMBER	AVAILABLE	FUTURE
		1085 385200-1 2002 Homeland Defense Bonds (Series 311714 District(4) Neighborhood Quality	\$ 103,500.00
	1101 888930 Transit Half-Cent Surtax 341330 Citywide Transportation And Tra	\$ 1,409,095.00	
	1297 888931 Transit Half-Cent Surtax (FY07) 341330 Citywide Transportation And Tra	\$ 267,905.00	
	B-30167 FUND GRAND TOTAL	ACTUAL \$ 1,780,500.00	PROJECTED

VALIDATION	Initiated by: <u>Ed Herald</u> Project Manager		Date: <u>8/14/07</u>
	Approved by: <u>Cesar Gonzalez</u> Senior Project Manager		Date: <u>8/14/07</u>
	Reviewed by: <u>Yvette Maragh</u> CIP Budget Administrator		Date: <u>8/15/07</u>
	Verified by: <u>Edwige De Crumpe / Program Controls Staff</u>	Initials: <u>Edw</u>	
	Accepted by: <u>David S. Hernandez</u> Assistant Director : Capital Improvements		Date: <u>8/14/07</u>
	Approved by: <u>Ola O. Aluko</u> Director : Capital Improvements		Date: <u>8/14/07</u>
	ORIGINAL TO: <u>Melanie Whitaker / 10th Floor South Conference Room</u>		Initials: <u></u>

Notes	Receipt of PAF by Danette Perez - CIP Public Relations Coordinator
	<u>Project MUST be Presented to the Bond Oversight Board</u> Date Received / Signature or Initials <u>8-15-07</u> 

Executed PAF MUST 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: 8/28/07 DISTRICT: 1
 NAME OF PROJECT: ADDITIONAL FUNDING FOR KINLOCH PARK COMMUNITY RECREATION BUILDING IMPROVEMENTS
 INITIATING DEPARTMENT/DIVISION: Capital Improvements Program
 INITIATING CONTACT PERSON/CONTACT NUMBER: David Mendez (305) 416-1240
 C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
 RESOLUTION NUMBER: _____ CIP/PROJECT NUMBER: B-35832

2. BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes,
 TOTAL DOLLAR AMOUNT: \$746,781 (\$93,782 is additional funding needed from Homeland Defense Series I and II)
 SOURCE OF FUNDS: \$93,782 from HDNIB Series I & II

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: Additional scope changes were added as running underground telephone conduits, MDWASD Impact Fees, upgrading water line to 2" service, and HVAC cage.

ADA Compliant? YES NO N/A

Approved by Audit Committee? YES NO N/A DATE APPROVED: 8/21/07
 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 8/28/07
 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? YES NO If yes,
 DESIGN COST: _____
 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? YES NO N/A DATE APPROVED: _____
 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: _____

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: _____
 Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: _____

6. COMMENTS:

APPROVAL: [Signature] DATE: 8/28/07
 BOND OVERSIGHT BOARD



PROJECT ANALYSIS FORM

Capital Improvements & Transportation

Date Prepared:	3-Aug-2007
VERSION:	REV02

PROGRAM 331 - Parks & Recreation AREA Recreation & Culture - 2

PROJECT NAME: Kinloch Park Community Recreation Building Improvements		PROJECT NO:	B-35832
ADDRESS / LOCATION: 455 NW 47th Avenue		DISTRICT:	1
PROJECT TEAM: Vertical		PROJECT CONTRACTED COST: \$	684,760.82
CATEGORY: Parks & Recreation		PROJECT EST. COST: \$	746,781.21
CLIENT DEPT: Parks & Recreation - 58		CURRENT FUNDS: \$	746,781.21
CLIENT CONTACT: Maria Perez		FUTURE FUNDS: \$	-
DESIGN MANAGER: Marcel Douge		FUND SHORTFALL:	
CONSTR. MANAGER: Ed Herald (VT)		PROCUREMENT:	JOC
EST. DESIGN START: 01/03/05	EST. BID ADV.:	EST. CONSTRUCTION START:	04/16/06
EST. DESIGN END: 02/16/06	EST. AWARD DATE:	EST. CONSTRUCTION END:	10/01/07

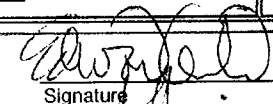

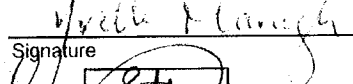
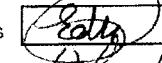
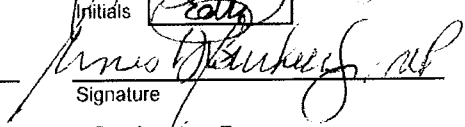
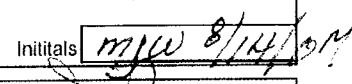
PROJECT ESTIMATED AND ACTUAL COSTS	PRODUCTION PHASE (3-DES)		% of Const	Estimated Design	% of Const	Contracted Design
	Prime Consultant:	CODE				
	1 Outside Consultant - Basic Design Fee	01.01		\$ -		\$ -
	2 Outside Consultant - Additional Design Services	01.01		\$ -		\$ -
	3 CIP In-House - Basic Design Fee	01.02	8.3%	\$ 53,306.00	11.6%	\$ 67,756.00
	4 CIP - Production Management	01.02		\$ -	0.0%	\$ -
	5 General Production Phase Contingency	01.01	40.4%	\$ 21,542.00		\$ -
	6 Miscellaneous Services - Geotechnical Testing	01.01		\$ -		\$ 1,100.00
	7 Miscellaneous Services - Other	01.01		\$ -		\$ 400.00
	8 Miscellaneous Services - Other	01.01		\$ -		\$ 5,592.00
PRODUCTION TOTALS			Estimated		Contracted	
			\$ 74,848.00		\$ 74,848.00	
CONSTRUCTION PHASE (4-CON)		CODE	Estimated Construction by PM	Contracted Construction (Formal Bid, Informal Bid or JOC Method)		
Prime Contractor:						
1 Construction Cost (Prime Contractor)	02		\$ 582,743.00		\$ 532,141.70	
2 Construction Contingency Allowance	02	10.6%	\$ 61,938.30	10.1%	\$ 59,067.62	
3 Additional Services / Change Orders (Prime Contractor)	02		\$ -		\$ 50,601.23	
4			\$ -		\$ -	
5			\$ -		\$ -	
6			\$ -		\$ -	
7 CEO Charged in Error in Oracle against CON	02		\$ -		\$ 2,870.75	
8			\$ -		\$ -	
CONSTRUCTION TOTALS			Estimated		Contracted	
			\$ 644,681.30		\$ 585,613.68	
CONSTRUCTION ADMINISTRATION (8-CEO)		CODE	Estimated CEO	Contracted CEO		
1 Construction Engineering Observation (CEO) Consultant			\$ -		\$ -	
2 Construction Engineering Observation CIP/Transportation			\$ -		\$ -	
3 JOC Administration - The Gordian Group (Always 1.5%)	03.03	1.5%	\$ 9,670.22	1.5%	\$ 8,741.14	
CONSTRUCTION ADMINISTRATION TOTALS			Estimated		Contracted	
			\$ 9,670.22		\$ 8,741.14	
ADMINISTRATIVE EXPENSES (6-ADM)		CODE	Estimated ADMIN	Contracted ADMIN		
1 CIP Department (Mgmt./Budget/Procurement/Comm.):	04	2.7%	\$ 17,581.7	88.5%	\$ 15,558.0	
ADMINISTRATIVE EXPENSES TOTALS			Estimated		Contracted	
			\$ 17,581.69		\$ 15,558.00	

ADDITIONAL PROJECT TASKS	CODE	Estimated TASKS	Contracted TASKS
1 EQUIPMENT (5-EQU):		\$ -	\$ -
2 PLANNING (2-PLN):		\$ -	\$ -
3 ACQUISITION EXPENSES (1-LAQ) <u>Land</u> :		\$ -	\$ -
4 ACQUISITION EXPENSES (1-LAQ) <u>Transaction</u> :		\$ -	\$ -
5 PROGRAM MANAGEMENT (0-MGT):		\$ -	\$ -
ADDITIONAL PROJECT TASKS TOTALS		Estimated	Contracted
		\$ -	\$ -

B-35832	PROJECT GRAND TOTAL	Estimated	Contracted
		\$ 746,781.21	\$ 684,760.82

PROJECT SCOPE	Project scope includes the remodeling of 1200 s.f. of interior space using the existing shell and roof. Project also includes adding 1400 s.f. to the existing building, 12 new parking spaces and an 8 feet high picket fence. Revision 2 Note: Additional changes were added such as running underground telephone conduits, MDWASD Impact Fees, upgrading water line to 2" service, and HVAC cage.										
	Operating Cost Associated with Project:										
	<table border="1"> <tr> <th>YEAR 1</th> <th>YEAR 2</th> <th>YEAR 3</th> <th>YEAR 4</th> <th>YEAR 5</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5					
YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5							

FUND SOURCES	AWARD NAME AND NUMBER	AVAILABLE	FUTURE
	HD Neighborhood Park Series 1 - 1058	Please See Note Below	\$ 694,781.21
HD - Homeland Defense Bonds (Series 2) -FD385200-2	Please See Note Below	\$ 52,000.00	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
B-35832	FUND GRAND TOTAL	ACTUAL	PROJECTED
	\$ 746,781.21	\$ 746,781.21	\$ -

VALIDATION	Initiated by: <u>Ed Herald</u> Project Manager		Date: <u>8/6/07</u>
	Approved by: <u>Ola O. Aluko</u> Senior Project Manager		Date: _____
	Reviewed by: <u>Yvette Maragh</u> CIP Budget Administrator		Date: <u>8/11/07</u>
	Verified by: <u>Edwige De Crumpe / Program Controls Staff</u>	Initials: 	Date: <u>8/14/07</u>
	Accepted by: <u>Ernest Burkeen</u> Director: Parks & Recreation		Date: <u>8/14/07</u>
	ORIGINAL TO: <u>Melanie Whitaker / 10th Floor South Conference Room</u>	Initials: 	

Notes	Receipt of PAF by Danette Perez - CIP Public Relations Coordinator	<u>8-14-07</u>
	Project MUST be Presented to the Bond Oversight Board	Date Received / Signature or Initials

Executed PAF MUST 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

PREVIOUSLY APPROVED

1. DATE: 7/26/05 DISTRICT: 1
NAME OF PROJECT: KINLOCH PARK COMMUNITY RECREATION BUILDING IMPROVEMENTS
INITIATING DEPARTMENT/DIVISION: Capital Improvements
INITIATING CONTACT PERSON/CONTACT NUMBER: Roger Hatton (305) 416-1261
C.I.P. DEPARTMENT CONTACT: Roberto Silva (305) 416-1254
RESOLUTION NUMBER: _____ CIP/PROJECT NUMBER: 331419
ADDITIONAL PROJECT NUMBER: _____ B-35832
(IF APPLICABLE)

2. BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes,
TOTAL DOLLAR AMOUNT: \$652,999 (793,000 Allocated, estimated balance \$24,351)
SOURCE OF FUNDS: Neighborhood Park Improvements
ACCOUNT CODE(S): CIP # 331419

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: Project scope includes 1200 square feet of interior remodel and adds 1400 square feet of new additional building. Total interior remodeling using the existing shell and roof. 12 new parking spaces added and new 8 feet high picket fence.

ADA Compliant? YES NO N/A

Approved by Audit Committee? YES NO N/A DATE APPROVED: 7/19/05
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 7/26/05
Approved by Commission? YES NO N/A DATE APPROVED: _____
Community Mtg/Dist. Commissioner Approval? YES NO N/A DATES: _____
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? 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: _____

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 _____
Approved by Commission? YES NO N/A DATE APPROVED: _____
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: _____

6. COMMENTS: _____

APPROVAL: *Roberto Silva* DATE: 7/26/05
BOND OVERSIGHT BOARD



PROJECT ANALYSIS FORM

Department of Capital Improvements
City of Miami

Date Prepared:	
Revised Date:	7/20/2005
Revised Date:	
Revised Date:	

PROJECT NAME: Kinloch Park Community Recreation Building Improvements		
ADDRESS / LOCATION: 455 NW 47th Avenue	PROJECT No.:	B-35832
NET OFFICE:	DISTRICT:	D1
CLIENT DEPT: Parks and Recreation	EST. PROJECT COST:	\$652,999
CLIENT CONTACT: Maria Perez	TEL.: (305) 416-1314	ALLOCATED FUNDS: \$652,999
PROJECT MANAGER: Roberto Silva	TEL.: (305) 416-1254	PROCUREMENT: JOC
CONSTR. MANAGER:	TEL.:	PROJECT TEAM: Facilities
INSPECTOR / CEO:	TEL.:	
EST. DESIGN START: 1/31/2005	EST. BID ADV.:	EST. CONSTRUCTION START: 8/31/2005
EST. DESIGN END: 3/31/2005	EST. AWARD DATE:	EST. CONSTRUCTION END: 3/31/2006

PRODUCTION PHASE		Percentage	
A. Design Svcs. - Outside Consultant Prime Consultant: _____			
1	Basic Fees:	0.0%	\$0
2	Additional Services:	0.0%	\$0
			SUB-TOTAL: \$0
B. Design Svcs. - CIP			
1	In-house Basic Design Fee:	11.1%	\$53,306
2	In-house Additional Design Services:	0.0%	\$0
			SUB-TOTAL: \$53,306
C. Production Management Services			
1	Prod. Mgmt. of Outside Consultant by CIP:	0.0%	\$0
2	Prod. Mgmt. of Outside Consultant by Industry Partner:	0.0%	\$0
			SUB-TOTAL: \$0
D. Miscellaneous Services			
1	Survey:	Vendor:	
2	Re-plat:	Vendor:	
3	Geotechnical Testing:	Vendor:	
4	Utility Locations (Soft Digs):	Vendor:	
5	Asbestos Survey:	Vendor:	
6	Energy / HVAC Calculations:	Vendor:	
7	Phase I Environmental:	Vendor:	
8	Phase II Environmental:	Vendor:	
9	Structural Testing:	Vendor:	
10	Archeological Survey:	Vendor:	
11	Other:	Vendor:	
			SUB-TOTAL: \$0
E. Special Fees / Assessments:			
1	DERM (Plans review, environmental permits, etc.):	Fee Waiver	
2	Miami-Dade County Water and Sewer Department (Plan review)		
3	Florida Department of Environmental Protection (Permits):		
4	FDOT (Plans review, inspections, etc.):		
5	South Florida Water Management District (Permits):		
6	U.S. Army Corps of Engineers (Plans review, permits):		
7	HRS (Plans review, inspections, etc.):		
8	Other:		
			SUB-TOTAL: \$0
PRODUCTION PHASE TOTAL:			\$53,306
CONSTRUCTION PHASE			
F. Construction: JOC Contractor: _____			
1	Construction Estimate:		\$481,681
2	Contingency Allowance:	10.0%	\$48,168
3	Data & Telecommunication Systems (IT Dept.):		
4	Fixtures, Furniture and Equipment:		
5	WASA System Betterment:		
6	FPL Contribution-in-Aid-of Construction:		
7	Other:		
			SUB-TOTAL: \$529,849

PROJECT COST ESTIMATE

PROJECT COST ESTIMATE	G City and other Gov't Agencies Permit Fees		
	1	City of Miami Permits: Bldg. Dept. <input type="checkbox"/> Public Works <input type="checkbox"/>	
	2	Miami-Dade County Impact Fees:	
	3	Miami-Dade County Archeological Monitoring:	
	4	Other:	
	SUB-TOTAL: \$0		
	CONSTRUCTION PHASE TOTAL: \$529,849		
	CONSTRUCTION ADMINISTRATION		
	H	Construction Inspection Services - CIP:	0.0% \$0
	I	Construction Mgmt. - Industry Partner:	0.0% \$0
	J	Construction Engineering Observer (CEO) - Industry Partner	10.0% \$48,168
	K	JOC Administration	1.5% \$7,225
	CONSTRUCTION ADMINISTRATION TOTAL: \$55,393		
	ADMINISTRATIVE EXPENSES		
	L	CIP Dept. (Mgmt./Budget/Procurement/Comm.):	3.0% \$14,450
M	Industry Partner Program Mgmt. Support:	0.0% \$0	
ADMINISTRATIVE EXPENSES TOTAL: \$14,450			
LAND ACQUISITION EXPENSES			
N	Land Cost:		
O	Transaction Costs:	0.0% \$0	
LAND ACQUISITION TOTAL: \$0			
GRAND TOTAL - ESTIMATED PROJECT COST: \$652,999			

PROJECT SCOPE
 Project includes 1200 s.f. of interior remodel and adds 1400 s.f. of new additional building. Total interior remodeling using the existing shell and roof. 12 new parking spaces added. New 8 feet high picket fence.

NOTES
 As Of 07/20/2005, elimination of Industry Partners Fees for Line Items C-2, I & M from Project budget, equals a savings of \$5,331.

FUND SOURCES			Fiscal Year Available		
	Fund:	CIP #		Amount:	
	Homeland Defense Series I	331419		\$652,999	
	Fund:	CIP #		Amount:	
	Fund:	CIP #		Amount:	
	Fund:	CIP #		Amount:	
	Fund:	CIP #		Amount:	
	Fund:	CIP #		Amount:	
TOTAL ALLOCATED AMOUNT:				\$652,999	

VALIDATION

Project Manager: Roberto Silva Sign: [Signature] Date: 07-11-05

Sr. Project Manager: Juan Ordonez Sign: [Signature] Date: 7/21/05

Reviewed by: Pilar Saenz Sign: [Signature] Date: 7-21-05
 CIP Budget Administrator

Accepted by: [Signature] Sign: [Signature] Date: 7/21/05
 Director of the Client Department



DEPARTMENT OF CAPITAL IMPROVEMENTS

PROJECT OVERVIEW FORM

1. DATE: 8/28/07 DISTRICT: 1
NAME OF PROJECT: GRAPELAND COMMUNITY RECREATIONAL FACILITY & PARKING LOT PHASE III
INITIATING DEPARTMENT/DIVISION: Capital Improvements Program
INITIATING CONTACT PERSON/CONTACT NUMBER: David Mendez (305)416-1240
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-30105

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$1,596,906 (\$1,028,257 is only from Homeland Defense Series II)
SOURCE OF FUNDS: \$1,028,257 Homeland Defense Bonds (Series II)/\$568,649 CIP Misc. Revenues

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: Project scope consist of constructing a New Community/Recreational Building consisting of 2 multi-purpose rooms, art room, computer room, administrative office, ADA compliant restrooms, conference rooms and storage rooms. Also included in the scope it's a Tot-Lot play area, landscape and sprinkler system. The approximate Square footage is 5400 s.f.

ADA Compliant? [] YES [] NO [] N/A
Approved by Audit Committee? [X] YES [] NO [] N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED: 8/28/07
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? [] YES [] NO If yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS:

APPROVAL: [Signature] DATE: 8/28/07
BOND OVERSIGHT BOARD



PROJECT ANALYSIS FORM

Capital Improvements & Transportation

CIP
NON-CIP

Date Prepared:	20-Aug-2007
VERSION:	ORIGINAL

NEW PROJECT PROGRAM 331 - Parks & Recreation AREA Recreation & Culture - 2

PROJECT NAME: Grapeland Community Recreational Facility & Parkg Lot PH III		PROJECT NO:	B-30105
ADDRESS / LOCATION: Grapeland Park - 1550 NW 37th Avenue		DISTRICT:	1
PROJECT TEAM: Vertical		PROJECT CONTRACTED COST:	\$ -
CATEGORY: Parks & Recreation		PROJECT EST. COST:	\$ 1,596,906.32
CLIENT DEPT: Parks & Recreation - 58		CURRENT FUNDS:	\$ 568,649.32
CLIENT CONTACT: Maria Perez		TEL.: (305) 416-1314	FUTURE FUNDS: \$ 1,028,257.00
DESIGN MANAGER:		TEL.:	FUND SHORTFALL:
CONSTR. MANAGER: Ed Herald (VT)		TEL.: (305) 416-1290	PROCUREMENT:
EST. DESIGN START: 03/01/07	EST. BID ADV.:	EST. CONSTRUCTION START: 09/01/07	
EST. DESIGN END: 05/01/07	EST. AWARD DATE:	EST. CONSTRUCTION END: 03/31/08	

PRODUCTION PHASE (3-DES)		CODE	% of Const	Estimated Design	% of Const	Contracted Design
Prime Consultant:						
1	Outside Consultant - Basic Design Fee	01.01	0.0%		0.0%	
2	Outside Consultant - Additional Design Services	01.01	0.0%		0.0%	
3	CIP In-House - Basic Design Fee	01.02	0.0%		0.0%	
4	CIP - Production Management	01.02	2.1%	\$ 30,906.32	0.0%	
5	General Production Phase Contingency	01.01	0.0%		0.0%	\$ -
6						
7						
8						
9						
10						
11						
12						
PRODUCTION TOTALS				Estimated		Contracted
				\$ 30,906.32		\$ -

CONSTRUCTION PHASE (4-CON)		CODE	Estimated Construction by PM	Contracted Construction (Formal Bid, Informal Bid or JOC Method)
Prime Contractor:				
1	Construction Cost (Prime Contractor)	02	\$ 1,065,735.00	
2	Construction Contingency Allowance	02	40.7% \$ 434,265.00	0.0% \$ -
3	Additional Services / Change Orders (Prime Contractor)			
4				
5				
6				
7				
8				
CONSTRUCTION TOTALS			Estimated	Contracted
			\$ 1,500,000.00	\$ -

CONSTRUCTION ADMINISTRATION (8-CEO)		CODE	Estimated CEO	Contracted CEO
1	Construction Engineering Observation (CEO) Consultant		0.0%	0.0%
2	Construction Engineering Observation CIP/Transportation		0.0%	0.0%
3	JOC Administration - The Gordian Group (Always 1.5%)		0.0% \$ -	0.0% \$ -
CONSTRUCTION ADMINISTRATION TOTALS			Estimated	Contracted
			\$ -	\$ -

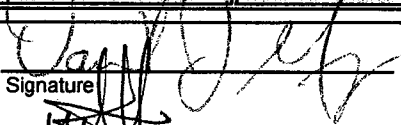
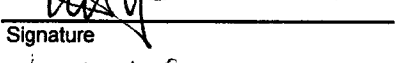
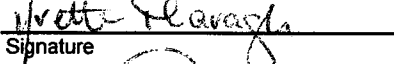

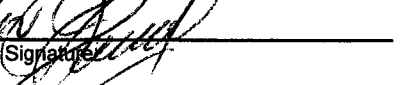
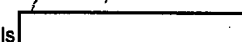
ADMINISTRATIVE EXPENSES (6-ADM)		CODE	Estimated ADMIN	Contracted ADMIN
1	CIP Department (Mgmt./Budget/Procurement/Comm.):	04	4.4% \$ 66,000.00	0.0%
ADMINISTRATIVE EXPENSES TOTALS			Estimated	Contracted
			\$ 66,000.00	\$ -

PROJECT ESTIMATED AND ACTUAL COSTS

ADDITIONAL PROJECT TASKS		CODE	Estimated TASKS	Contracted TASKS
1	EQUIPMENT (5-EQU):			
2	PLANNING (2-PLN):			
3	ACQUISITION EXPENSES (1-LAQ) Land:			
4	ACQUISITION EXPENSES (1-LAQ) Transaction:			
5	PROGRAM MANAGEMENT (0-MGT):			
ADDITIONAL PROJECT TASKS TOTALS			Estimated	Contracted
			\$ -	\$ -
B-30105 PROJECT GRAND TOTAL			Estimated	Contracted
			\$ 1,596,906.32	\$ -

PROJECT SCOPE	Construction of a New Community / Recreational Building - Consisting of 2 Multi-Purpose Rooms, Art Room, Computer Room, Administrative Office, ADA Compliant Restrooms, Conference Room, and Storage Areas. Also included is Tot-Lot Play Area, Landscaping and Sprinkler System. Approximate Square Footage 5400 SQFT Change Order to RDC					
	Operating Cost Associated with Project:	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
		\$ 30,000	\$ 35,000	\$ 40,000	\$ 45,000	\$ 50,000

FUND SOURCES	AWARD NAME AND NUMBER		AVAILABLE	FUTURE
	CIP Misc. Revenue - 1097		\$ 568,649.32	
HD - Homeland Defense Bonds (Series 2) -FD385200-2	Please See Note Below		\$ 1,028,257.00	
B-30105 FUND GRAND TOTAL		ACTUAL	PROJECTED	
		\$ 1,596,906.32	\$ 1,028,257.00	

VALIDATION	Initiated by: <u>David Mendez</u> Project Manager		Date: 8/21/07
	Approved by: <u>Ola O. Aluko</u> Director: Capital Improvements		Date: 8/22/07
	Reviewed by: <u>Yvette Maragh</u> CIP Budget Administrator		Date: 8/21/07
	Verified by: <u>Edwige De Crumpe</u> / Program Controls Staff		
	Accepted by: <u>Ernest Burkeen</u> Director: Parks & Recreation		Date: 8/23/07
ORIGINAL TO: Melanie Whitaker / 10th Floor South Conference Room			Initials: 

Notes	Receipt of PAF by Danette Perez - CIP Public Relations Coordinator	8/23/07	ZP.
	Project MUST be Presented to the Bond Oversight Board	Date Received / Signature or Initials	

Executed PAF MUST 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: 8/28/07 DISTRICT: 2
NAME OF PROJECT: GRAND AVENUE LIGHTING PROJECT
INITIATING DEPARTMENT/DIVISION: Capital Improvements Program
INITIATING CONTACT PERSON/CONTACT NUMBER: David Mendez (305)416-1240
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: CIP/PROJECT NUMBER: B-30574

2. BUDGETARY INFORMATION: Are funds budgeted? [X] YES [] NO If yes,
TOTAL DOLLAR AMOUNT: \$1,173,500
SOURCE OF FUNDS: Homeland Defense Bonds (Series II)

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: Project scope consists of providing up lighting to each of the trees installed in Phase I. The scope includes custom cutting of tree grates, furnish and install new up-light fixtures, pulling conductors, coordination with FPL on connection to service point. In addition to repositioning the benches to face street.

ADA Compliant? [] YES [] NO [] N/A
Approved by Audit Committee? [X] YES [] NO [] N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED: 8/28/07
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? [] YES [] NO If yes,
DESIGN COST:
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? [] YES [] NO [] N/A DATE APPROVED:
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:

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:
Approved by Bond Oversight Board? [] YES [] NO [] N/A DATE APPROVED:

6. COMMENTS:

APPROVAL: [Signature]
BOND OVERSIGHT BOARD

DATE: 8/28/07



PROJECT ANALYSIS FORM

Capital Improvements & Transportation

CIP
NON-CIP

Date Prepared:	21-Aug-2007
VERSION	ORIGINAL

PROGRAM 341-Streets & Sidewalks AREA 3-Infrastructure & Environment

PROJECT NAME: Grand Avenue Landscape Lighting		PROJECT NO: B-30574
ADDRESS / LOCATION: Grand Avenue from Douglas to Matilda		DISTRICT: 2
PROJECT TEAM: Horizontal		PROJECT CONTRACTED COST:
CATEGORY: Streets and Sidewalks		PROJECT EST. COST: \$ 1,173,500.00
CLIENT DEPT: 122-Transportation & Transit		CURRENT FUNDS: \$ 1,173,500.00
CLIENT CONTACT: Ola Aluko	TEL.: (305) 416-1471	FUTURE FUNDS:
DESIGN MANAGER: Cesar Gonzalez (CIP)	TEL.: 305-416-1219	FUND SHORTFALL:
CONSTR. MANAGER: Jorge Garcia	TEL.: 305-416-1233	PROCUREMENT: JOC
EST. DESIGN START: 09/01/07	EST. BID ADV.:	EST. CONSTRUCTION START: 09/01/07
EST. DESIGN END: 12/31/07	EST. AWARD DATE:	EST. CONSTRUCTION END: 12/31/07

PROJECT ESTIMATED AND ACTUAL COSTS

PRODUCTION PHASE (3-DES)		% of Const	Estimated Design	% of Const	Contracted Design
Prime Consultant:	0000 To be Assigned	CODE			
1					
PRODUCTION TOTALS			Estimated		Contracted

CONSTRUCTION PHASE (4-CON)		Estimated Construction by PM	Contracted Construction (Formal Bid, Informal Bid or JOC Method)
Prime Contractor:	0000 To be Assigned	CODE	
1	Misc. Construction Services	2	2% \$ 20,000.00
2	Other Construction Related Services	2	1% \$ 15,000.00
3	Construction Cost (Prime Contractor)	2	86% \$ 900,000.00
4	CONSTRUCTION (4-CON)	2	
5	Additional Services / Change Orders (Prime Contrac	2	10% \$ 108,000.00
6			
7			
8			
9			
10			
11			
CONSTRUCTION TOTALS		Estimated	Contracted
		\$ 1,043,000.00	

CONSTRUCTION ADMINISTRATION (8-CEO)		Estimated CEO	Contracted CEO
1	Construction Engineering Observation (CEO) Consultant	3.01	8.6% \$ 90,000.00
2	JOC Administration - The Gordian Group (Always 1.5%)	3.03	1.3% \$ 13,500.00
3			
CONSTRUCTION ADMINISTRATION TOTALS		Estimated	Contracted
		\$ 103,500.00	

ADMINISTRATIVE EXPENSES (6-ADM)		Estimated ADMIN	Contracted ADMIN
1	CIP Department (Mgmt./Budget/Procurement/Comm.)	4	2.6% \$ 27,000.00
2			
ADMINISTRATIVE EXPENSES TOTALS		Estimated	Contracted
		\$ 27,000.00	

ADDITIONAL PROJECT TASKS		Estimated TASKS	Contracted TASKS
1			
ADDITIONAL PROJECT TASKS TOTALS		Estimated	Contracted

B-30574	PROJECT GRAND TOTAL	Estimated	Contracted
		\$ 1,173,500.00	

PROJECT SCOPE

The project consists of providing up lighting to each of the trees installed in Phase I. Scope includes custom cutting of tree grates, furnish and install new uplight fixtures, pulling conductors, coordination with FPL on connection to service point. Scope also includes repositioning benches to face street.

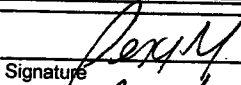
Operating Cost Associated with Project:	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5

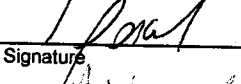
Notes

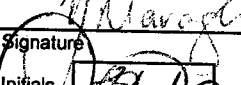
Date Received / Signature or Initials

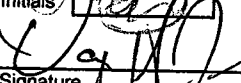
FUND SOURCES	AWARD NAME AND NUMBER	AVAILABLE	FUTURE
		385200-1 2002 Homeland Defense Bonds (Serit 341208 Grand Avenue Improvement)	\$ 1,173,500.00
	B-30574 FUND GRAND TOTAL	ACTUAL \$ 1,173,500.00	PROJECTED

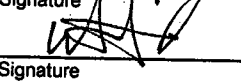
VALIDATION

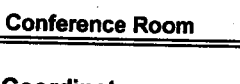
Initiated by: Cesar Gonzalez
Project Manager
Signature:  Date: 08/21/07


Approved by: Cesar Gonzalez
Senior Project Manager
Signature:  Date: 08/21/07

Reviewed by: Yvette Maragh
CIP Budget Administrator
Signature:  Date: 8/21/07

Verified by: Edwige De Crumpe / Program Controls Staff
Initials: 

Accepted by: David Mendez
Assistant Director : Capital Improvements
Signature:  Date: 8/21/07

Approved by: Ola O. Aluko
Director : Capital Improvements
Signature:  Date: 8/22/07

ORIGINAL TO: Melanie Whitaker / 10th Floor South Conference Room
Initials: 

Notes

Receipt of PAF by Danette Perez - CIP Public Relations Coordinator

Project MUST be Presented to the Bond Oversight Board

Date Received / Signature or Initials
8/22/07 2P

Executed PAF MUST 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: 8/28/07 DISTRICT: 2
NAME OF PROJECT: PAUL S. WALKER PARK
INITIATING DEPARTMENT/DIVISION: Capital Improvements Program
INITIATING CONTACT PERSON/CONTACT NUMBER: David Mendez (305)416-1240
C.I.P. DEPARTMENT CONTACT: Ola O. Aluko (305) 416-1280
RESOLUTION NUMBER: _____ CIP/PROJECT NUMBER: B-399910D

2. BUDGETARY INFORMATION: Are funds budgeted? YES NO If yes,
TOTAL DOLLAR AMOUNT: \$400,000 (\$150,000 is only from Homeland Defense Series II)
SOURCE OF FUNDS: \$150K Homeland Defense Bonds (Series II)/\$250K Downtown Development Agency

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: Project scope consist of the demolition of the existing restaurant facility in the site and convert it back to the former Paul S. Walker Park located at 46 West Flagler Street. The 4,200 s.f. park (35'x1120") will include a new waterfall, walkways, landscaping, seating areas, security lighting, site drainage, metal picket fencing with gate and signage.

ADA Compliant? YES NO N/A
Approved by Audit Committee? YES NO N/A DATE APPROVED: 8/21/07
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: 8/28/07
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? YES NO If yes,
DESIGN COST: _____
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? YES NO N/A DATE APPROVED: _____
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: _____

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: _____
Approved by Bond Oversight Board? YES NO N/A DATE APPROVED: _____

6. COMMENTS: _____

APPROVAL [Signature] DATE: 8/28/07
BOND OVERSIGHT BOARD



PROJECT ANALYSIS FORM

Capital Improvements & Transportation

CIP

NON-CIP

Date Prepared:

22-Aug-2007

VERSION

ORIGINAL

PROGRAM 331-Parks and Recreation

AREA 2-Recreation & Culture



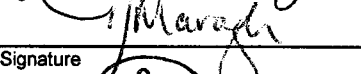
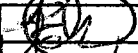

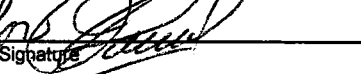
PROJECT NAME: Paul S Walker Park		PROJECT NO: B-39910D
ADDRESS / LOCATION: 46 West Flagler Street		DISTRICT: 2
PROJECT TEAM: Vertical		PROJECT CONTRACTED COST:
CATEGORY: Parks and Recreation		PROJECT EST. COST: \$ 400,000.00
CLIENT DEPT: 58-Parks and Recreation		CURRENT FUNDS: \$ 150,000.00
CLIENT CONTACT: Maria Perez	TEL.: (305) 416-1314	FUTURE FUNDS: \$ 250,000.00
DESIGN MANAGER: Fernando Paiva (CIP)	TEL.: (305) 416-1242	FUND SHORTFALL:
CONSTR. MANAGER: David Mendez	TEL.:	PROCUREMENT: JOC
EST. DESIGN START: 09/15/07	EST. BID ADV.:	EST. CONSTRUCTION START: 04/01/08
EST. DESIGN END: 01/15/08	EST. AWARD DATE:	EST. CONSTRUCTION END: 11/15/08

PROJECT ESTIMATED AND ACTUAL COSTS	PRODUCTION PHASE (3-DES)		% of Const	Estimated Design	% of Const	Contracted Design
	Prime Consultant: 0000 To be Assigned	CODE				
	1 CIP - Production Management	1.02	4.3%	\$ 14,575.00		
	2 Miscellaneous Services - Survey	1.01	1.3%	\$ 4,500.00		
	3					
	PRODUCTION TOTALS			Estimated		Contracted
				\$ 19,075.00		
	CONSTRUCTION PHASE (4-CON)		Estimated Construction by PM	Contracted Construction (Formal Bid, Informal Bid or JOC Method)		
	Prime Contractor: 0000 To be Assigned	CODE				
	1 Construction Cost (Prime Contractor)	2	78%	\$ 265,000.00		
2 Additional Services / Change Orders (Prime Contrac	2	8%	\$ 26,500.00			
3 Misc. Construction Services	2	0%	\$ 477.50			
4 Other Construction Related Services	2	15%	\$ 50,000.00			
5						
CONSTRUCTION TOTALS			Estimated		Contracted	
			\$ 341,977.50			
CONSTRUCTION ADMINISTRATION (8-CEO)		Estimated CEO	Contracted CEO			
	CODE					
1 Construction Engineering Observation CIP/Transportation	3.02	5.9%	\$ 20,000.00			
2 JOC Administration - The Gordian Group (Always 1.5%)	3.03	1.3%	\$ 4,372.50			
3						
CONSTRUCTION ADMINISTRATION TOTALS			Estimated		Contracted	
			\$ 24,372.50			
ADMINISTRATIVE EXPENSES (6-ADM)		Estimated ADMIN	Contracted ADMIN			
	CODE					
1 CIP Department (Mgmt./Budget/Procurement/Comm.)	4	4.3%	\$ 14,575.00			
2						
ADMINISTRATIVE EXPENSES TOTALS			Estimated		Contracted	
			\$ 14,575.00			
ADDITIONAL PROJECT TASKS		Estimated TASKS	Contracted TASKS			
	CODE					
1						
ADDITIONAL PROJECT TASKS TOTALS			Estimated		Contracted	
B-39910D PROJECT GRAND TOTAL			Estimated		Contracted	
			\$ 400,000.00			

PROJECT SCOPE	Demolition of existing restaurant facility in the site and convert it back to the former Paul S. Walker Mini Park located at 46 West Flagler Street. The 4,200 SF Park (35' X 120') will include a new waterfall, walkways, landscaping, seating areas, security lighting, site drainage, metal picket fencing with gate, and signage.					
	Operating Cost Associated with Project:	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5

Notes	Funding will be 150K from HD-D2_QOL and \$250K from DDA
	Date Received / Signature or Initials

FUND SOURCES	AWARD NAME AND NUMBER	AVAILABLE	FUTURE
		385200-2 2002 Homeland Defense Bonds (Serik 311712 District(2) Neighborhood Q	\$ 150,000.00
	888957 Downtown Development Agency 999999 Unknown CIP Project		\$ 250,000.00
	B-39910D FUND GRAND TOTAL	ACTUAL \$ 150,000.00	PROJECTED \$ 250,000.00

VALIDATION	Initiated by: <u>Fernando Paiva Jr.</u> Project Manager	 Signature	Date: <u>8/22/07</u>
	Approved by: <u>Marcel Douge</u> Senior Project Manager	 Signature	Date: <u>8.22.07</u>
	Reviewed by: <u>Yvette Maragh</u> CIP Budget Administrator	 Signature	Date: <u>8-22-07</u>
	Verified by: <u>Edwige De Crumpe / Program Controls Staff</u>	 Initials	
	Accepted by: <u>Ola O. Aluko</u> Director : Capital Improvements	 Signature	Date: <u>8/22/07</u>
	Approved by: <u>Ernest Burkeen</u> Director : Parks & Recreation	 Signature	Date: <u>8/23/07</u>
	ORIGINAL TO: <u>Melanie Whitaker / 10th Floor South Conference Room</u>		Initials: <u> </u>

Notes	Receipt of PAF by Danette Perez - CIP Public Relations Coordinator
	<p><u>Project MUST be Presented to the Bond Oversight Board</u></p> <p style="text-align: right;">Date Received / Signature or Initials <u>8/23/07</u> <u>ZP</u></p>

Executed PAF MUST be electronically distributed to the following individuals:
 Director of the Client Department, Yvette Maragh, Edwige De Crumpe, Senior Project Manager and Project Manager.