



# AGENDA

## REGULAR MEETINGS OF THE HOUSING SUCCESSOR SUCCESSOR AGENCY AND CITY COUNCIL

July 13, 2017  
6:00 P.M.

Council Chambers  
11710 Telegraph Road  
Santa Fe Springs, CA 90670

**William K. Rounds, Mayor**  
**Jay Sarno, Mayor Pro Tem**  
**Richard J. Moore, Councilmember**  
**Juanita Trujillo, Councilmember**  
**Joe Angel Zamora, Councilmember**

**Public Comment:** The public is encouraged to address City Council on any matter listed on the agenda or on any other matter within its jurisdiction. If you wish to address the City Council, please complete the card that is provided at the rear entrance to the Council Chambers and hand the card to the City Clerk or a member of staff. City Council will hear public comment on items listed on the agenda during discussion of the matter and prior to a vote. City Council will hear public comment on matters not listed on the agenda during the Oral Communications period.

Pursuant to provisions of the Brown Act, no action may be taken on a matter unless it is listed on the agenda, or unless certain emergency or special circumstances exist. The City Council may direct staff to investigate and/or schedule certain matters for consideration at a future City Council meeting.

**Americans with Disabilities Act:** In compliance with the ADA, if you need special assistance to participate in a City meeting or other services offered by this City, please contact the City Clerk's Office. Notification of at least 48 hours prior to the meeting or time when services are needed will assist the City staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.

**Please Note:** Staff reports, and supplemental attachments, are available for inspection at the office of the City Clerk, City Hall, 11710 E. Telegraph Road during regular business hours 7:30 a.m.-5:30 p.m., Monday-Thursday and every other Friday Telephone (562) 868-0511.

# City of Santa Fe Springs

## Regular Meetings

July 13, 2017

1. **CALL TO ORDER**

2. **ROLL CALL**

Richard J. Moore, Councilmember  
Juanita Trujillo, Councilmember  
Joe Angel Zamora, Councilmember  
Jay Sarno, Mayor Pro Tem  
William K. Rounds, Mayor

**HOUSING SUCCESSOR**

3.

**Approval of Minutes**

- a. Minutes of the June 8, 2017 of the Housing Successor Agency

**Recommendation:** That the Housing Successor approve the minutes as submitted.

**SUCCESSOR AGENCY**

4.

Minutes of the June 8, 2017 of the Successor Agency.

**Recommendation:** That the Successor Agency approve the minutes as submitted.

**CITY COUNCIL**

5.

**CITY MANAGER REPORT**

6.

**CONSENT AGENDA**

*Consent Agenda items are considered routine matters which may be enacted by one motion and vote. Any item may be removed from the Consent Agenda and considered separately by the City Council.*

**Approval Minutes**

- a. Minutes of the June 8, 2017 Regular and Adjourned City Council Meetings

**Recommendation:** That the City Council approve the minutes as submitted.

**PUBLIC HEARING**

7.

Resolution No. 9555 – Levy Annual Assessments for Lighting District No. 1 (FY 2017/18)

**Recommendation:** That the City Council:

- Conduct a Public Hearing and adopt Resolution No. 9555 confirming the diagram and assessment, and providing for annual assessment levy; and
- Authorize the Director of Finance to execute all documents and necessary with the County of Los Angeles in order to process the collection of assessments related to Lighting District No. 1 for FY 2017/18.

**PUBLIC HEARING**

8.

Resolution No. 9556 – Levy Annual Assessments for Heritage Springs Assessment District No. 2001-1 (Hawkins Street and Palm Drive) FY 2017/18

**Recommendation:** That the City Council:

- Conduct and Public Hearing and adopt Resolution No. 9556 confirming the diagram and assessment, and providing for annual assessment levy; and



- Authorize the Director of Finance to execute all documents necessary with the County of Los Angeles in order to process the collection of assessments related to Heritage Springs Assessment District No. 2001-1 (Hawkins Street and Palm Drive) for FY 2017/18.

**PUBLIC HEARING**

9. An Agreement creating certain obligations between the City of Santa Fe Springs ("CITY") and CR&R Incorporated (CR&R), including but not limited to paying the CITY a fee based upon the total number of tons per day (TPD) of non-hazardous municipal solid waste processed at the Direct Transfer Facility (DTF) on property located at 12739 Lakeland Road (APN: APN 8011-016-022), within the M-2, Heavy Manufacturing, Zone. (CR&R, Incorporated)

**Recommendation:** That the City Council:

- Open the Public Hearing for those wishing to speak on these matters; and thereafter close the Public Hearing;
- Approve the Host Fee Agreement between the City of Santa Fe Springs ("CITY") and CR&R Incorporated (CR&R);
- Authorize the Mayor or designee to sign the Host Fee Agreement.

**NEW BUSINESS**

10. Authorization to renew Café Libro Concession agreement with Tierra Mia Coffee Company

**Recommendation:** That the City Council:

- Authorizes the Director of Finance and Administrative Services to execute a one-year agreement with Tierra Mia Coffee Company to provide concession services in the Café Libro area of the City Library.

11. Police Services Center Staging Area – Final Payment

**Recommendation:** That the City Council:

- Approve the Final Payment (less 5% Retention) to P&P Develop, Inc. of Garden Grove, California in the amount of \$31,673.00 for the subject project.

12. Request for Approval of a Recyclable Materials Dealer Permit for STAR Scrap Metal Company (Applicant, David Stein)

**Recommendation:** That the City Council:

- Approve the issuance of Recyclable Materials Dealer Permit No. 33 to STAR Scrap Metal subject to the conditions of approval as contained within the report.

13. Authorize the Purchase of an Air & Light Vehicle from Emergency Vehicle Group, Inc. (EVG), Related Vehicle Communication Equipment, and Vehicle Support Equipment

**Recommendation:** That the City Council:

- Authorize the Fire Chief to purchase an Air & Light Unit from Emergency Vehicle Group, Inc. (EVG) for an amount not to exceed \$550,623.44.
- Authorize the Fire Chief to purchase the Air & Light Vehicle's Communication

# City of Santa Fe Springs

## Regular Meetings

July 13, 2017

Equipment from Motorola Solutions for an amount not to exceed \$27,995.30.

- Authorize the Fire Chief to purchase the Air & Light Vehicle's Mobile Data Computer (MDC) unit from Commline Inc. for an amount not to exceed \$4,791.87.
- Authorize the Fire Chief to purchase additional vehicle support equipment to outfit the Air & Light Vehicle for an amount not to exceed \$15,500.00.
- Authorize the Fire Chief to enter into a lease financing agreement with Community Leasing Partners for a 7-year term at an interest rate of 2.78% and annual payments in the amount of \$92,779.19 commencing at the time of lease origination.

14. Introduction of Ordinance No. 1088 – Repealing and Replacing the City's Purchasing Statutes, Policies and Procedures

**Recommendation:** That the City Council:

- Approve the first reading of Ordinance No. 1088 and repealing and replacing Sections 34.15 through 34.38 of Chapter 34, "Finance and Revenue", Title 3, "Administration," of the Santa Fe Springs Municipal Code.

**Please note:** Item Nos. 15 – 24, will commence in the 7:00 p.m. hour.

15. **INVOCATION**

16. **PLEDGE OF ALLEGIANCE**

17. **INTRODUCTIONS**

- Representatives from the Chamber of Commerce

18. **ANNOUNCEMENTS**

19. **PRESENTATIONS**

**APPOINTMENTS TO BOARDS, COMMITTEES, COMMISSIONS**

20. Appointment of Delegate and Alternate Delegate to the Annual Business Meeting of the League of California Cities

21. Committee Appointments

22. **ORAL COMMUNICATIONS**

*This is the time when comments may be made by interested persons on matters not on the agenda having to do with City business.*

23. **EXECUTIVE TEAM REPORTS**

# ***City of Santa Fe Springs***

***Regular Meetings***

***July 13, 2017***

**24.**

## **ADJOURNMENT**

*I hereby certify under penalty of perjury under the laws of the State of California, that the foregoing agenda was posted at the following locations; Santa Fe Springs City Hall, 11710 Telegraph Road; Santa Fe Springs City Library, 11700 Telegraph Road; and the Town Center Plaza (Kiosk), 11740 Telegraph Road, not less than 72 hours prior to the meeting.*

  
\_\_\_\_\_  
Janet Martinez, CMC  
City Clerk

July 6, 2017  
Date

**FOR ITEM NO. 3A  
PLEASE SEE ITEM NO. 6A**

**FOR ITEM NO. 4**  
**PLEASE SEE ITEM NO. 6A**



# ***City of Santa Fe Springs***

City Council Meeting

July 13, 2017

## **APPROVAL OF MINUTES**

Minutes of the June 8, 2017 Regular City Council Meetings

### **RECOMMENDATION**

Staff recommends that the City Council:

- Approve the minutes as submitted.

### **BACKGROUND**

Staff has prepared minutes for the following meetings:

- June 8, 2017 (Regular Meeting)
- June 8, 2017 (Study Session)

Staff hereby submits the minutes for Council's approval.

A handwritten signature in blue ink, appearing to read "Thaddeus McCormack", is written over a horizontal line.

Thaddeus McCormack  
City Manager

### **Attachment:**

Minutes for June 8, 2017





APPROVED:

## MINUTES OF THE MEETINGS OF THE CITY COUNCIL – STUDY SESSION

June 8, 2017

1. **CALL TO ORDER**

Mayor Rounds called the meeting to order at 5:05 p.m.

2. **ROLL CALL**

**Members present:** Councilmembers: Moore, Trujillo, and Zamora, Mayor Pro Tem Sarno and Mayor Rounds.

**Members absent:** None

### HOUSING SUCCESSOR/SUCCESSOR AGENCY/CITY COUNCIL

**CLOSED SESSION**

3. **CONFERENCE WITH REAL PROPERTY NEGOTIATOR**

**Properties:** Assemblage of undeveloped parcels at the southeast corner of Telegraph rd. and Bloomfield Avenue, inclusive of APNs: 8011-018-900, 8011-018-901, 8011-018-92, 8011-018-903, 8011-018-904, 8011-018-905, 8011-018-906 & 8011-019-911

Assemblage of undeveloped parcels to the east of the northeast corner of Telegraph rd. and Bloomfield Avenue, inclusive of APNs: 8011-003-955, 8011-003-956, 8011-003-957, 8011-003-958, 8011-003-959, 8011-003-960, 8011-003-961, 8011-003-962, 8011-003-963, 8011-003-964, 8011-003-965, 8011-003-966, 8011-003-967, 8011-003-968, 8011-003-969, 8011-003-970, 8011-003-971, 8011-003-972, 8011-003-973, 8011-003-974, 8011-003-975, 8011-003-976, 8011-003-977, 8011-003-978, and 8011-003-979.

Undeveloped lot at [10712 Laurel Avenue](#), Undeveloped lot at [12171 Telegraph Rd.](#), [10944 Laurel Avenue](#), 13231 Lakeland Road, 9735 Bartley Avenue, 9257 Millergrove Drive.

**Negotiating Parties:** Thaddeus McCormack, Steve Skolnik, Yolanda Summerhill, Jose Gomez, Travis Hickey and Wayne Morrell.

**Under Negotiation:** Price.

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***Mayor Rounds recessed the meetings at 5:05 p.m.***

***Mayor Rounds convened the meeting at 6:04 p.m.***

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City Attorney Steve Skolnik reported on closed session: there were no actions taken during closed session.

***Minutes of the June 8, 2017 Council Meeting Study Session***

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**ADJOURNMENT**

Mayor Rounds adjourned the meeting at 6:04 p.m.

\_\_\_\_\_  
William K. Rounds  
Mayor

***ATTEST:***

\_\_\_\_\_  
Janet Martinez  
City Clerk

\_\_\_\_\_  
Date



APPROVED:

## MINUTES OF THE MEETINGS OF THE HOUSING SUCCESSOR, SUCCESSOR AGENCY AND CITY COUNCIL

June 8, 2017

1. **CALL TO ORDER**

Mayor Rounds called the meeting to order at 6:05 p.m.

2. **ROLL CALL**

**Members present:** Councilmembers/Directors: Moore, Trujillo, and Zamora, Mayor Pro Tem/Vice Chair Sarno and Mayor Rounds.

**Members absent:** None

### HOUSING SUCCESSOR

3. **CONSENT AGENDA**

**Approval of Minutes**

- a. Minutes of the May 11, 2017 of the Housing Successor Agency

**Recommendation:** That the Housing Successor approve the minutes as submitted.

It was moved by Council Member Moore, seconded by Mayor Pro Tem Sarno approved Item No. 3A by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nays:** None

### SUCCESSOR AGENCY

4. **CONSENT AGENDA**

**Approval of Minutes**

- a. Minutes of the May 11, 2017 Successor Agency Meeting

**Recommendation:** That the Successor Agency approve the minutes as submitted.

It was moved by Council Member Trujillo, seconded by Mayor Pro Tem Sarno, approved Item No. 4a by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nays:** None

**CITY COUNCIL**

**5. CITY MANAGER REPORT**

City Manager McCormack spoke in regards to the following: 1) Ribbon Cutting for the Goodman site on June 21, 2017 from 12:00 p.m. to 2:00 p.m.; 2) The City has been working on the opposition of AB1250 that would place obstacles on Cities when contracting out for services, noted the Bill was recently amended to remove the effect that would occur on cities.

City Attorney Skolnik added that the City of Lakewood was also in opposition to the Bill and other legislative bodies were also in opposition to the Bill.

City Manager McCormack added that the City is also in opposition to SB649 that would regulate wireless devices from cell companies. The City will be sending out letters, including to Assembly member Calderon's office.

**6. Approval of Minutes**

**A. Minutes of May 11, 2017 City Council Meeting**

**Recommendation:** That the City Council:

- Approve the minutes as submitted.

It was moved by Council Member Zamora, seconded by Council Member Trujillo, to approve the minutes of the May 11, 2017, meeting as submitted, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**NEW BUSINESS**

**7. FY 2016-17 and 2017-18 Mid-Budget Cycle Revisions and Modifications**

**Recommendation:** That the City Council:

- Approve the proposed revenue, expenditure, and personnel adjustments as detailed in Attachments A through J.

City Manager McCormack provided a brief presentation on the budget.

Assistant City Manager/Finance Director Jose Gomez provided a power point presentation on item no. 7, listing the following items: General Fund Budget, Sales Tax Revenue, Utility User's Tax Revenue History, FY 2017-18 How City's Funds are spent, Noteworthy Expenditures Adjustments, Proposed Budget Deficit Strategy General Fund, Balancing the FY 2017-18 Budget, Long-Term Picture, Citywide PERS Retirement Contribution, Sales Tax Revenue History, FY 2010-11 to FY 2017-18, Revenues: New/Potential, Next steps for budget, Budget Actions.

Council Member Moore noted that the Council was not given enough time to review the items within a timely matter, he suggested to have had a study session.

Council Member Moore made a few inquiries on the property taxes; where are the fees received from license services; CAFR amounts; inquired the 6 million and 2.4 million, suggested a Study session.

Council Member Moore inquired the amount of Attachment D \$303K to \$209K and the projected amount for Planning and Administration. Finance Director Gomez provided a response.

Mayor Rounds suggested to move this item to the next meeting at 5pm.

There was a consensus by the Council to continue the budget discussion to a Study Session.

8. Adoption of the City's FY 2017-18 Investment Policy

**Recommendation:** That the City Council:

- Adopt the Investment Policy for FY 2017-18.

It was moved by Council Member Zamora, seconded by Council Member Trujillo, to adopt the Investment Policy for FY 2017-18, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

9. Resolution No. 9547 – Establishing the City's Maximum Contribution Under the Public Employees' Medical and Hospital Care Act

**Recommendation:** That the City Council:

- Adopt Resolution No. 9547, establishing the City's maximum contribution to medical insurance premiums under the Public Employees' Medical and Hospital Care Act.

It was moved by Council Member Zamora, seconded by Council Member Trujillo, to adopt Resolution No. 9547, establishing the City's maximum contribution to medical insurance premiums under the Public Employees' Medical and Hospital Care Act, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

10. Resolution No. 9548 - Adoption of Annual Appropriation (GANN) Limit for Fiscal Year 2017-18.

**Recommendation:** That the City Council:

- Adopt Resolution No. 9548 setting the appropriation limit for Fiscal Year 2017-18.

It was moved by Council Member Zamora, seconded by Council Member Trujillo, adopt Resolution No. 9548 setting the appropriation limit for Fiscal Year 2017-18, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

11. Adopt Resolution No. 9549 Making a Finding as to the Industrial Disability of Robert Yellen

**Recommendation:** That the City Council:

- Approve Resolution No. 9549 making a finding as to the industrial disability of Robert Yellen.

It was moved by Council Member Zamora, seconded by Council Member Trujillo, to approve Resolution No. 9549 making a finding as to the industrial disability of Robert Yellen, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**12. Authorize the Purchase of a Computer "Backup" Appliance from Connection for the New SPRING Finance System**

**Recommendation:** That the City Council:

- Authorize the Director of Purchasing Services to issue a purchase order in the amount of \$25,907.24 to Connection for the acquisition of one computer backup appliance.

It was moved by Council Member Zamora, seconded by Mayor Pro Tem, to authorize the Director of Purchasing Services to issue a purchase order in the amount of \$25,907.24 to Connection for the acquisition of one computer backup appliance, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**13. Award of Contract for the Audio and Visual Renovations of the City Council Chamber and Council Conference Room**

**Recommendation:** That the City Council:

- Authorize the Director of Purchasing Services to issue a purchase order in the amount of \$80,233.44 to Western Audio Visual to renovate the audio and visual systems in the Council Chambers and the Council Conference Room.

It was moved by Council Member Zamora, seconded by Mayor Pro Tem Sarno, to authorize the Director of Purchasing Services to issue a purchase order in the amount of \$80,233.44 to Western Audio Visual to renovate the audio and visual systems in the Council Chambers and the Council Chambers Conference Room, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**14. Department of Fire Rescue Fleet Maintenance Services, Performance Truck Repair – Award of Contract**

**Recommendation:** That the City Council:

- Accept the proposals; and
- Award a contract for Performance Truck Repair; and
- Authorize the Fire Chief of the Department of Fire-Rescue to execute a contract with David Killackey SR., President, Performance Truck Repair.

It was moved by Council Member Zamora, seconded by Mayor Pro Tem Sarno, to amend the recommendation by accepting all proposals; and award a contract to



Performance Truck Repair, Southern California Fleet Services, Inc. and Fire Apparatus Solutions; and authorize the Fire Chief of the Department of Fire-Rescue to execute a contract with all three proposals, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**15. On-Call Professional Engineering Services – Commercial Street Improvement Design Year – 1 (Florence Avenue) Award of Contract**

**Recommendation:** That the City Council:

- Approve adding the Florence Avenue from Norwalk Boulevard to Bloomfield Avenue project to the Capital Improvement Plan;
- Accept the Proposals;
- Award a Contract to Anderson Penna from Newport Beach, California in the amount of \$75,400.00 for – Commercial Street Improvement Design Year-1 (Florence Avenue); and
- Authorize the Mayor to execute the Agreement with Anderson Penna.

It was moved by Council Member Moore, seconded by Mayor Pro Tem Sarno, to approve adding the Florence Avenue from Norwalk Boulevard to Bloomfield Avenue project to the Capital Improvement Plan; accept the proposals; award a contract to Anderson Penna from Newport Beach, California in the amount of \$75,400.00 for – Commercial Street Improvement Design Year – 1 (Florence Avenue); and authorize the Mayor to execute the agreement with Anderson Penna, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**16. On-Call Professional Engineering Services – Residential North Streets Improvement Design – Year 1 (Terradell Street, Whiteland Street, Roma Street and Nova Street) – Award of Contract**

**Recommendation:** That the City Council:

- Accept the Proposal;
- Award a Contract to BKF from Newport Beach, California in the amount of \$49,248.00 for Residential North Streets Improvement Design - Year 1 (Terradell Street, Whiteland Street, Roma Street and Nova Street); and
- Authorize the Mayor to execute the agreement with BKF.

It was moved by Council Member Moore, seconded by Mayor Pro Tem Sarno, to accept the proposal; award a contract to BKF from Newport Beach, California in the amount of \$49,248.00 for residential North Streets improvement Design – Year 1 (Terradell Street, Whiteland Street, Roma Street and Nova Street); and authorize the Mayor to execute the agreement with BKF, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**17. On-Call Professional Engineering Services – Residential South Streets Improvement Design-Year1 (Gridley Road, Dunning Street, Darcy Street) Award of Contract**

**Recommendation:** That the City Council:

- Accept the Proposals;
- Award a contract to Psomas from Los Angeles, California in the amount of \$62,030.00 for the Residential South Streets Improvement Design-Year 1 (Gridley Road, Dunning Street, Darcy Street); and
- Authorize the Mayor to execute the Agreement with Psomas.

It was moved by Council Member Moore, seconded by Mayor Pro Tem Sarno, to accept the proposals; award a contract to Psomas from Los Angeles, California in the amount of \$62,030.00 for the Residential South Streets Improvement Design – Year 1 (Gridley Road, Dunning Street, Darcy Street); and authorize the Mayor to execute the agreement with Psomas, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**18. Transportation Services Agreement with Pupil Transportation Cooperative (PTC) – Authorization for Renew Contract**

**Recommendation:** That the City Council:

- Authorize the Mayor to execute the agreement with Pupil Transportation Cooperative (PTC) effective 1, 2017 through June 30, 2019.

It was moved by Council Member Moore, seconded by Mayor Pro Tem Sarno, to authorize the Mayor to execute the agreement with Pupil Transportation Cooperative (PTC) effective 1, 2017 through June 30, 2019, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**19. Water Well No. 12 Engineering Design Services for Water Treatment System – Contract Amendment No. 1**

**Recommendation:** That the City Council:

- Authorize and approve Contract Amendment No. 1 with CIVILTEC Engineering Inc. (Civiltec), in the amount of \$47,853.75, for additional design services, permitting process, and monitoring plan for Water Well No. 12.

It was moved by Council Member Moore, seconded by Mayor Pro Tem Sarno, to approve Contract Amendment No. 1 with CIVILTEC Engineering Inc. (Civiltec), in the amount of \$47,853.75, for additional design services, permitting process, and monitoring plan for Water Well No. 12, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**20. Imperial Highway Underpass Pump Replacement – Authorize to Purchase**

**Recommendation:** That the City Council:

- Authorize the Director of Public Works to Purchase two (2) Yeomans Submersible Vertical Mounted Pumps from Charles P. Crowley Company of Irwindale, CA; and
- Authorize a Purchase Order to be issued in the amount of \$43,642.78.

It was moved by Council Member Moore, seconded by Mayor Pro Tem Sarno, to authorize the Director of Public Works to Purchase two (2) Yeomans Submersible Vertical Mounted Pumps from Charles P. Crowley Company of Irwindale, CA; and authorize a purchase order to be issued in the amount of \$43,642.78, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**21. Foster Road Reservoir Anti-Nitrification System**

**Recommendation:** That the City Council:

- Authorize the Director of Public Works to purchase one (1) Anti-Nitrification Pax Water Mixer from D&H Water Systems, Oceanside, California as a sole source provider of this system.

It was moved by Council Member Moore, seconded by Mayor Pro Tem Sarno, to authorize the Director of Public Works to purchase one (1) Anti-Nitrification Pax Water Mixer from D&H Water Systems, Oceanside, California as a sole source provider of this system, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

**22. Review and Approval of Proposed Amended Committee By-Laws for Council Appointed Committees**

**Recommendation:** That the City Council:

- Review and approve the proposed amended committee by-laws for each of the council-appointed committees.

It was moved by Council Member Moore, seconded by Mayor Pro Tem Sarno, to review and approve the proposed amended committee by-laws for each of the council-appointed committees, by the following vote:

**Ayes:** Moore, Trujillo, Zamora, Sarno, Rounds

**Nayes:** None

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***Mayor Rounds recessed the meetings at 7:06 p.m.***

***Mayor Rounds convened the meeting at 7:19 p.m.***

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**23. INVOCATION**

Invocation was led by Council Member Zamora

**24. PLEDGE OF ALLEGIANCE**

The Pledge of Allegiance was led by the Youth Advisory Committee Members.

**25. INTRODUCTIONS**

- Chamber of Commerce Representatives: Sonya Kemp, EveryBusiness HR Essentials.

**26. ANNOUNCEMENTS**

The Youth Leadership Committee Members made the following announcements:

- Summer Reading Program, June 5-July 29, 2017
- Summer Day Camp, 4 Sessions June 12-July 24
- Wild Wild West Dance, Friday, Jun 23, 2017

**27. PRESENTATIONS**

- a. Recognition of 2017 Santa Fe Springs Older American Award Recipient
- b. Presentation of Badge and Firefighter Protective Gear to Firefighter Ryan Brosamer
- c. Recognition of Los Angeles Police Department Officer (LAPD) Edgar Bojorquez for his participation in the 2017 Police Unity Tour
- d. 2017 Teacher of the Year Award Recipients
- e. Recognition of Battle of the Books Event Winners
- f. Santa Fe Springs Chamber's Youth Enrichment Fund Poster Contest Winners
- g. SFS 2017 Art Fest Volunteer Recognition

**28. APPOINTMENTS TO BOARDS, COMMITTEES, COMMISSIONS**

No appointments were made.

**29. ORAL COMMUNICATIONS**

No speakers were present.

**30. EXECUTIVE TEAM REPORTS**

- Frank D. Beach, Utility Services Manager spoke about staff being at Jersey Elementary school to celebrate Public Works Week, noted the individuals present, such as staff and representatives; and he also spoke about Saturday's Slurry seal project;
- Wayne Morrell, Planning Director spoke in regards Potters Lane, Permanent Supportive Housing for homeless veterans, utilizing shipping containers.
- Dino Torres, Police Services Director spoke in regards to today's special torch run.
- Chief Mike Crook spoke in regards to Sidewalk CPR at town center; results of 2017 annual Paramedic program review; and, loss of LA City Fire Fighter Kelly Wong.
- Maricela Balderas, Director of Community Services spoke in regards to schools seeking backpacks and school supplies and the city's efforts in collecting items; summer programing will be starting over next couple of weeks (13 new staff hired for summer); and, Library's healthy food.

The following comments were made by the City Council:

- Council Member Zamora wished everyone's Happy Father's day, congratulated Bonnie Fox, and thanked her for all her help.
- Council Member Moore congratulated Bonnie Fox for her award, welcome the new City attorney Yolanda Summerhill; noted that she attended the vegetarian food demonstration.
- Council Member Trujillo congratulated Bonnie Fox, wished everyone Happy Father's Day.
- Mayor Pro Tem Sarno congratulated Bonnie Fox, acknowledged all the work she has done; also noted he was not able to attend the vegetarian food demonstration; wished everyone a Happy Father's day.

**ADJOURNMENT**

**31.** Mayor Rounds adjourned the meeting at 8:28 p.m.

\_\_\_\_\_  
William K. Rounds  
Mayor

**ATTEST:**

\_\_\_\_\_  
Janet Martinez  
City Clerk

\_\_\_\_\_  
Date



# *City of Santa Fe Springs*

*City Council Meeting*

July 13, 2017

## **PUBLIC HEARING**

Resolution No. 9555 – Levy Annual Assessments for City of Santa Fe Springs  
Lighting District No. 1 (FY 2017/18)

## **RECOMMENDATION**

That the City Council take the following actions:

- Conduct a Public Hearing and adopt Resolution No. 9555 confirming the diagram and assessment, and providing for annual assessment levy; and
- Authorize the Director of Finance to execute all documents necessary with the County of Los Angeles in order to process the collection of assessments related to Lighting District No. 1 for FY 2017/18.

## **BACKGROUND**

At the Council meeting of June 22, 2017, the City Council adopted Resolution No. 9554 declaring its intention to provide an annual levy and collection of assessments for certain maintenance in an existing district. Resolution No. 9554 also set the Public Hearing for 6:00 p.m. on July 13, 2017, and a notice was published in the Whittier Daily News.

The net assessment to be distributed over the Lighting District for fiscal year 2017/18 is \$194,505. This sum shall be assessed according to the benefits received by properties located within Lighting District No. 1. The methodology for distribution of assessments and the assessment rates over the Lighting District comply with the requirements of State Proposition 218.

## **FISCAL IMPACT**

By special benefit assessments, the Lighting District provides a portion of the funding for the installation, maintenance and operation of the street lighting system in the City of Santa Fe Springs.

## **INFRASTRUCTURE IMPACT**

The Lighting District provides for increased safety on the roadway, greater visibility for pedestrians and motorists at night and enhanced security, to name a few benefits.

  
Thaddeus McCormack  
City Manager

## **Attachments:**

1. Resolution No. 9555
2. Lighting District No. 1 Boundary Map



APPROVED:  
ITEM NO.:

**RESOLUTION NO. 9555**

**RESOLUTION OF THE CITY COUNCIL  
OF THE CITY OF SANTA FE SPRINGS, CALIFORNIA  
CONFIRMING A DIAGRAM AND ASSESSMENT  
AND PROVIDING FOR ANNUAL ASSESSMENT LEVY**

**WHEREAS**, the City Council has initiated for the annual levy of the assessments for a lighting district pursuant to the terms and provisions of the "Landscaping and Lighting Act of 1972" being Part 2 of Division 15 of the Streets and Highways Code of the State of California, in a district known and designated as:

CITY OF SANTA FE SPRINGS  
LIGHTING DISTRICT No. 1

**WHEREAS**, the City Council has ordered the preparation of a report and the City Engineer has prepared and filed with this City Council a report pursuant to law for its consideration and subsequently thereto, this City Council did adopt its Resolution of Intention to levy and collect assessments for the next ensuing fiscal year relating to the above-referenced District, and further did proceed to give notice of the time and place for a Public Hearing on all matters relating to said annual levy of the proposed assessment; and

**WHEREAS**, at this time, this City Council has heard all testimony and evidence and is desirous of proceeding with said annual levy of assessments.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS DOES HEREBY RESOLVE AS FOLLOWS:

Section 1: That the above recitals are true and correct.

Section 2: That upon the conclusion of the Public Hearing, written protests filed, and not withdrawn, did not represent property owners owning more than fifty percent (50%) of the area of assessable lands within the District, and all protests are overruled and denied.

Section 3: That this City Council hereby confirms the diagram and assessment as submitted and orders the annual levy of the assessment for the fiscal year and in the amounts as set forth in the Engineer's Report and as referred to in the Resolution of Intention as previously adopted relating to said annual assessment levy.

Section 4: That the diagram and assessment as set forth and contained in said Engineer's Report are hereby confirmed and adopted by this City Council.

Section 5: That the adoption of this Resolution constitutes the levy of the assessment for the fiscal year.

Section 6: That the estimates of costs, the assessment diagram, the assessments and all other matters, as set forth in the Engineer's Report," pursuant to said "Landscaping and Lighting Act of 1972," as submitted, are hereby approved, adopted by this City Council and hereby confirmed.

Section 7: That the maintenance works of improvements contemplated by the Resolution of Intention shall be performed pursuant to law and the County Auditor shall enter on the County Assessment Roll the amount of the Assessment, and said assessment shall then be collected at the same time and in the same manner as the County taxes are collected. After collection by said County, the net amount of the assessment shall be paid to the City Treasurer of said City.

Section 8: That the City Treasurer has previously established a special fund known as the

CITY OF SANTA FE SPRINGS  
LIGHTING DISTRICT No. 1

into which the City Treasurer shall place all monies collected by the Tax Collector pursuant to the provisions of this Resolution and law, and said transfer shall be made and accomplished as soon as said monies have been made available to said City Treasurer.

Section 9: That the City Clerk is hereby ordered and directed to file a certified copy of this Resolution upon its adoption.

Section 10: That a certified copy of the assessment and diagram shall be filed in the Office of the City Engineer, with a duplicate copy on file in the office of the City Clerk and open for public inspection.

**APPROVED and ADOPTED** by the City Council of the City of Santa Fe Springs  
at a regular meeting thereof this 13<sup>th</sup> day of July 2017, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

CITY OF SANTA FE SPRINGS

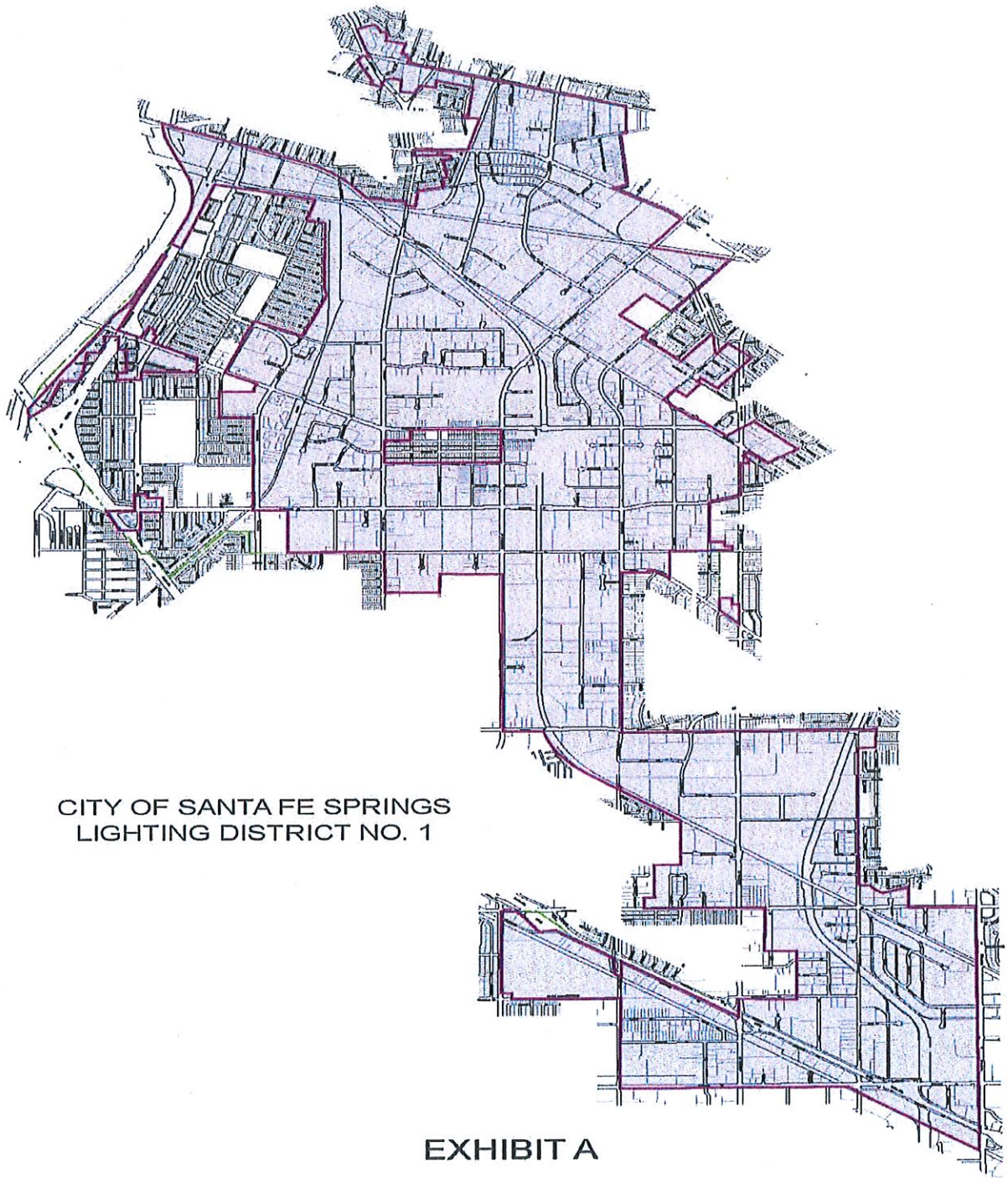
By: \_\_\_\_\_  
WILLIAM K. ROUNDS, MAYOR

ATTEST:

\_\_\_\_\_  
JANET MARTINEZ, CITY CLERK

## ***EXHIBIT A – DISTRICT ASSESSMENT DIAGRAM***

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# City of Santa Fe Springs

City Council Meeting

July 13, 2017

## **PUBLIC HEARING**

Resolution No. 9556 – Levy Annual Assessments for Heritage Springs Assessment District No. 2001-1 (Hawkins Street and Palm Drive) FY 2017/18

### **RECOMMENDATION**

That the City Council take the following actions:

- Conduct a Public Hearing and adopt Resolution No. 9556 confirming the diagram and assessment, and providing for annual assessment levy; and
- Authorize the Director of Finance to execute all documents necessary with the County of Los Angeles in order to process the collection of assessments related to Heritage Springs Assessment District No. 2001-1 (Hawkins Street and Palm Drive) for FY 2017/18.

### **BACKGROUND**

On June 22, 2017, the City Council adopted Resolution No. 9552 declaring its intention to levy an assessment for street maintenance and repair of the streets located within the Heritage Springs Assessment District No. 2001-1. Resolution No. 9552 also set the Public Hearing for 6:00 p.m. on July 13, 2017, and a notice was published in the Whittier Daily News.

The net assessment to be distributed over the district for Fiscal Year 2017/18 is \$39,535. This sum shall be assessed according to the benefits received by properties located within the Heritage Springs Assessment District No. 2001-1. The methodology for distributing the assessments over the district complies with the requirements of State Proposition 218.

### **FISCAL IMPACT**

The District has a positive financial impact on the City because a benefit assessment district is utilized to fund street maintenance costs that are attributable to the particular development, Heritage Springs.

### **INFRASTRUCTURE IMPACT**

The infrastructure for this development has been constructed and maintained on a regular schedule.

  
Thaddeus McCormack  
City Manager

### **Attachments:**

1. Resolution No. 9556
2. Boundary Map

Report Submitted By: Noe Negrete, Director  
Public Works

Date of Report: June 27, 2017

**ITEM NO. 8**

**RESOLUTION NO. 9556**

**A RESOLUTION OF THE CITY COUNCIL  
OF THE CITY OF SANTA FE SPRINGS, CALIFORNIA  
DIRECTING THE LEVY OF ANNUAL ASSESSMENTS  
IN THE CITY OF SANTA FE SPRINGS  
HERITAGE SPRINGS ASSESSMENT DISTRICT 2001-1  
FOR FISCAL YEAR 2017/2018**

**CITY OF SANTA FE SPRINGS  
Heritage Springs Assessment District 2001-1  
(Hawkins Street and Palm Drive)**

**RESOLVED**, by the City Council (the "Council") of the City of Santa Fe Springs, County of Los Angeles, State of California, that:

WHEREAS, this Council has conducted proceedings under and pursuant to the Municipal Improvement Act of 1913, Division 12, California Streets and Highways Code (the "Act") and Resolution Ordering the Assessment District Formation No. 6642, adopted June 28, 2001 (the "Resolution of Formation"), to form the Heritage Springs Assessment District 2001-1 (the "Assessment District"), to authorize the levy of special assessment upon the lands within the Assessment District, to acquire and construct public streets and other improvements, all as described therein; and

**WHEREAS**, pursuant to Section 10100.8 of the Act and the Resolution of Intention, this Council is authorized to levy annual assessments (the "Assessments") for maintenance, repair or improvement, including all expenses required for resurfacing and repair to public streets (the "Maintenance") in and adjacent to the Assessment District to keep such acquisitions and improvements in fit operating condition which are ordinarily incurred no more frequently than every five years, of the acquisitions and improvements for the Assessment District; and

**WHEREAS**, under the Act, this Council and for the annual levy of the Assessments, on June 22, 2017, has adopted Resolution No. 9552, a Resolution of the City Council of the City of Santa Fe Springs of Intention to Levy Annual Assessments for the City of Santa Fe Springs Heritage Springs Assessment District 2001-1 for Fiscal Year 2017/2018 (the "Intention Resolution") and approved the Engineer's Report (the "Engineer's Report") prepared pursuant to the Act for purposes of the levy of assessments for Fiscal Year 2017/2018; and

**WHEREAS**, as specified in the Intention Resolution, and upon notice as required by the Act, this Council held a public hearing on the issue of the levy of the assessments for the Next Fiscal Year, and all persons desiring to be heard were given an opportunity to be heard, and all objections to the assessment were considered by this Council.



**NOW, THEREFORE, IT IS ORDERED** as follows:

1.     Objections Overruled. The objections and protests against the annual levy of assessments for the Assessment District, as a whole or as to any part thereof, or against the estimate of costs and the assessments, in whole or in part, written and oral, are hereby overruled.
2.     Public Interest. The public interest, convenience and necessity require the levy of annual assessments for the Assessment District.
3.     District Described. The District specially benefited and to be assessed to pay the costs and expenses thereof, and the exterior boundaries thereof, are as shown by the assessment diagram thereof filed in the offices of the City Clerk, which map is made a part hereof by reference thereto.
4.     Engineer's Report Approved. The Engineer's Report, in the form on file with the City Clerk and to which reference is hereby made for further particulars, including the estimates of costs and expenses, the apportionment of assessments and the assessment diagram contained in the Engineer's Report, was adopted on June 22, 2017 by Resolution No. 9551 shall stand as the Engineer's Report for FY 2017/2018.
5.     Benefits Determined. Based on the oral and documentary evidence, including the Engineer's Report, offered and received at the public hearing, this Board expressly finds and determines that each of the several subdivisions of land in the Assessment District will be specially benefited.
6.     Collection of Assessments. The assessments herein confirmed shall be collected in the same manner and upon the same roll as general taxes of the County of Los Angeles are collected. The Director of Finance and Administrative Services or other authorized official of the City is hereby authorized and directed to cause such collections to be made for the Next Fiscal Year.
7.     Effective. This resolution shall take effect from and after its adoption.

**PASSED and ADOPTED** by the City Council of the City of Santa Fe Springs at a regular meeting thereof this 13<sup>th</sup> day of July 2017, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

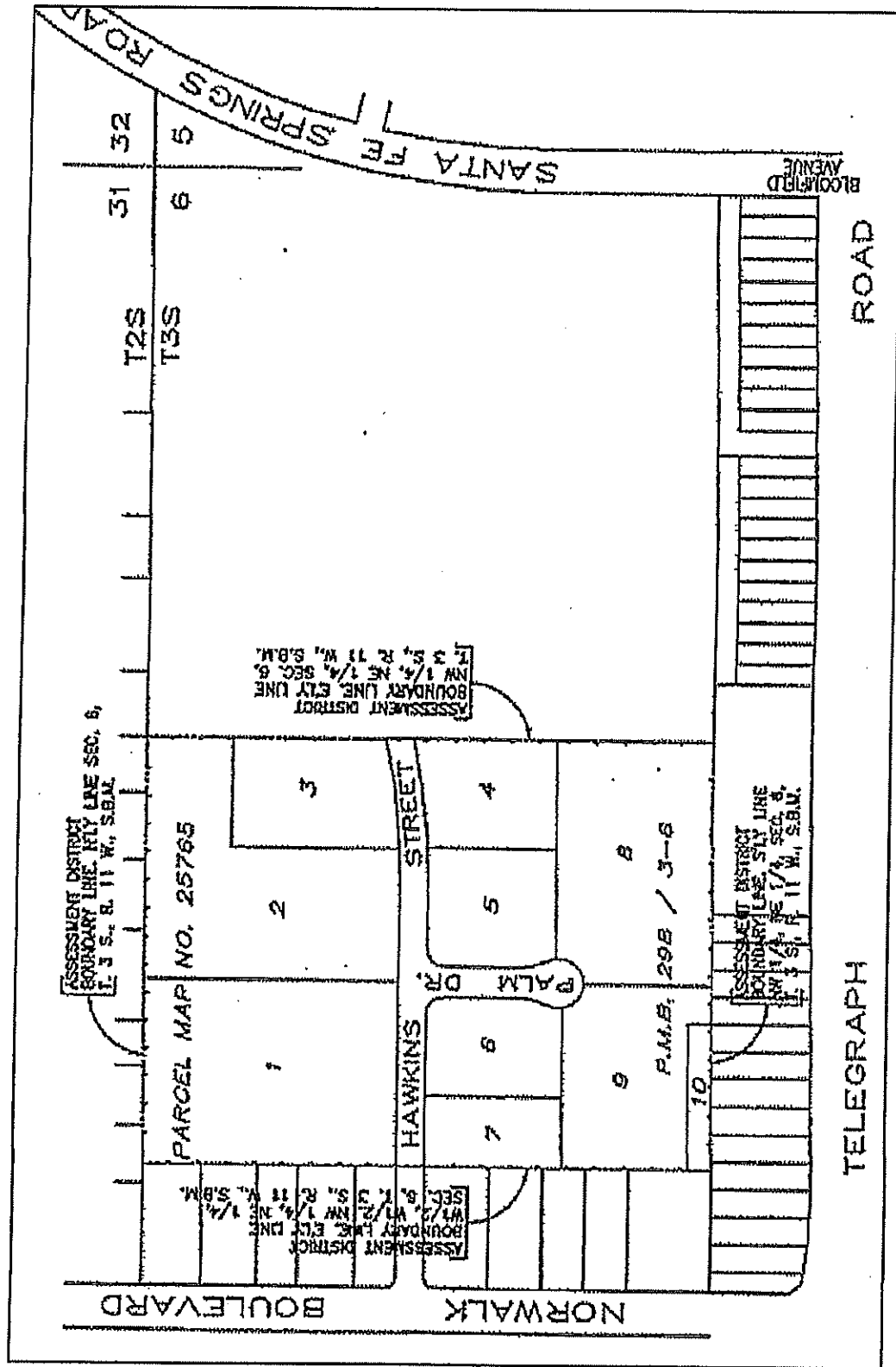
CITY OF SANTA FE SPRINGS

By: \_\_\_\_\_  
WILLIAM K. ROUNDS, MAYOR

ATTEST:

\_\_\_\_\_  
JANET MARTINEZ, CITY CLERK

# BOUNDARY MAP HERITAGE SPRINGS ASSESSMENT DISTRICT 2001-1





# *City of Santa Fe Springs*

City Council Meeting

July 13, 2017

## **PUBLIC HEARING**

An Agreement creating certain obligations between the City of Santa Fe Springs ("CITY") and CR&R Incorporated (CR&R), including but not limited to paying the CITY a fee based upon the total number of tons per day (TPD) of non-hazardous municipal solid waste processed at the Direct Transfer Facility (DTF) on property located at 12739 Lakeland Road (APN: APN 8011-016-022), within the M-2, Heavy Manufacturing, Zone. (CR&R, Incorporated)

### **RECOMMENDATIONS:** That the City Council:

- Open the Public Hearing for those wishing to speak on these matters; and thereafter close the Public Hearing;
- Approve the Host Fee Agreement between the City of Santa Fe Springs ("CITY") and CR&R Incorporated (CR&R);
- Authorize the Mayor or designee to sign the Host Fee Agreement.

## **BACKGROUND**

The subject site, comprised of a single parcel (APN 8011-016-022) of approximately 3.64 acres, has an address of 12739 Lakeland Road and is located on the north side of Lakeland Road, east of Bloomfield Avenue, and within the M-2, Heavy Manufacturing, Zone. Surrounding properties to the north, east, south, and west are zoned M-2 and consist of various industrial uses.

The subject site was granted Conditional Use Permit (CUP No. 623) approval, in 2004, to allow the operation and maintenance of a City-franchised rubbish hauling use on a fully improved 3.64-acre site developed with a 13,732 sq. ft. building. Specifically, the applicant utilizes the site for the storage of empty rubbish collection trucks, containers, and bins. Subsequently, in December of 2015, the Planning Commission approved an amendment of CUP No. 623 to allow for e-waste recycling and storage as an ancillary activity to the existing use.

On September 12, 2016, the Planning Commission opened the public hearing and continued Conditional Use Permit (CUP) Case No. 775, a request to allow the establishment, operation, and maintenance of a Direct Transfer Facility (DTF) with a maximum of 150 tons per day of non-hazardous municipal solid waste to be accepted and transferred from property located at 12739 Lakeland Road (APN: APN 8011-016-022), within the M-2, Heavy Manufacturing, Zone, to the next regularly held Planning Commission meeting on October 10, 2016, to allow additional time for various state agencies to review and comment on the proposed Initial Study/Mitigated Negative Declaration (IS/MND). CUP Case No. 775 was further continued to October 17, 2016 due to a lack of quorum on October 10, 2016.

On October 17, 2016, the Planning Commission, after considering the facts contained in the staff report and related attachments, receiving Staff's presentation, listening to the audience, and following a discussion on the matter, the Planning Commission approved the Project (CUP 755 and the Environmental Documents - State Clearing Number: 2016091029).

### **HOST FEE AGREEMENT**

Pursuant to condition no. 12 of CUP Case No. 775, a Host Fee agreement between CR&R and the CITY shall be required prior to the commencement of the DTF operations. The subject Host Fee Agreement, which is the culmination of several revisions and a subsequent review by both the City Attorney and legal counsel for the applicant, creates certain obligations between the CITY and CR&R, including an obligation for CR&R to pay the CITY a fee based upon the total number of tons per day of non-hazardous municipal solid waste processed at the DTF located at 12739 Lakeland Road. The following is a quick summary of the main points of the Agreement:

#### **Terms of Agreement:**

The Agreement remains in effect as long as CR&R remains in operation or otherwise as long as CUP 775 remains valid.

#### **Terms of Fee and Payment:**

One Dollar (\$1.00) times the Gross Tonnage Collected (0-150 tons per day) shall be paid to the City on or before the last calendar day of the month following the end of each calendar quarter. Interest will accrue for each day that payment arrives after the due date.

#### **Books and Records; Audits:**

Applicant shall provide accounting of the Gross Tonnage Collected along with each quarter payment. The CITY has the right, upon reasonable advance notice, to inspect, audit and copy all records relating to and identified within the Agreement.

#### **Indemnification and Insurance:**

Indemnity to CITY by CR&R from any claim, action, or proceeding related to the subject DTF. Nevertheless, CR&R is required to maintain full workers compensation and liability insurance throughout the entire term of the Agreement.

### **FISCAL IMPACT**

In accordance with the subject Host Fee Agreement, CR&R shall pay the CITY a fee of \$1.00 per ton. At the maximum capacity of 150 tons per day (assuming the DTF is operational a total of 340 days of the year in recognition of 12 major holidays), it is estimated that a \$1.00 per ton would result in a host fee of \$51,000.

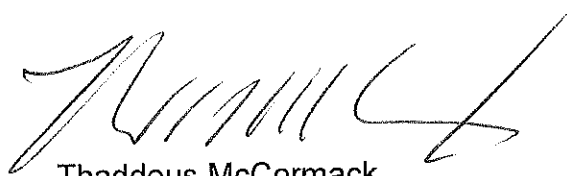
**INFRASTRUCTURE IMPACT**

There will not be any infrastructure impacts.

**LEGAL NOTICE OF PUBLIC HEARING**

This matter was set for Public Hearing in accordance with the requirements of Sections 65090 and 65091 of the State Planning, Zoning and Development Laws.

Legal notice of the Public Hearing for the Host Fee Agreement was posted in Santa Fe Springs City Hall, the City Library and the City's Town Center on June 28, 2017, and published in a newspaper of general circulation (Whittier Daily News) on June 28, 2017, as required by the State Zoning and Development Laws and by the City's Zoning Regulations.

A handwritten signature in black ink, appearing to read 'Thaddeus McCormack', is positioned above the printed name and title.

Thaddeus McCormack  
City Manager

Attachment(s):  
Host Fee Agreement

RECORDING REQUESTED BY AND  
WHEN RECORDED MAIL TO:

City of Santa Fe Springs  
Attn: City Clerk  
11710 Telegraph Road  
Santa Fe Springs, CA 90670

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Exempt from Recording Fee per Government Code 27383. (Space above for Recorder's Use)

### HOST FEE AGREEMENT

Between

CITY OF SANTA FE SPRINGS  
A California Municipal Corporation

And

CR&R Incorporated  
A California Corporation

## HOST FEE AGREEMENT

This Host Fee Agreement ("Agreement") is entered on \_\_\_\_\_ by and between the CITY OF SANTA FE SPRINGS ("CITY") and CR&R Incorporated. ("CR&R"), are sometimes individually referred to as "Party" and collectively as "Parties."

### RECITALS

WHEREAS, the City of Santa Fe Springs is a California municipal corporation; and  
WHEREAS, CR&R Incorporated is a California Corporation; and

WHEREAS, CR&R has applied to the CITY for various land use entitlements ("Approvals") necessary to construct and operate a Direct Transfer Facility ("DTF") at 12739 Lakeland Road ("property"); and

WHEREAS, in consideration of obtaining such Approvals from the CITY and in order to offset the impacts on the CITY in accordance with certain conditions imposed on the Conditional Use Permit ("CUP") which are part of the Approvals, CR&R has agreed to pay a certain amount of money based on the number of tons of per day ("TPD") of materials taken to the DTF;

NOW, THEREFORE, in consideration of the covenants, promises, and agreements hereafter set forth, the CITY and CR&R do mutually agree as follows:

#### **1. PURPOSE OF AGREEMENT**

The purpose of this Agreement is to create certain obligations between the parties and their successor(s), including an obligation of CR&R to pay the CITY a fee based upon the number of tons per day of materials processed at the DTF as long as they are in operation.

This Agreement shall remain in full effect as long as CUP 775 remains valid.

#### **2. DEFINITIONS**

Whenever any terms used in this Agreement has been defined by the Santa Fe Springs Municipal Code or Division 30, Part 1, Chapter 2 of the California Public Resources Code, the definitions in the Municipal Code or Public Resources Code shall apply unless the term is otherwise defined in this Agreement.

- "AB 939" or "Act" means the California Integrated Waste Management Act of 1989, codified in part at the Public Resources Code Section 40000 et seq., as it may be amended from time to time and as implemented by the regulations of the California Integrated Waste Management Board, or its successor.



- "City" means the City of Santa Fe Springs
- "City Manager" means the City Manager or his designee.
- "Gross Tonnage Collected" means all solid waste and recycling materials received at CR&R's site within the City.

### 3. **"COMPLIANCE WITH LAWS AND REGULATIONS"**

CR&R warrants that it will comply with all applicable laws and regulations as they, from time to time, may be amended, specifically including, but not limited to RCRA, CERCLA, AB 939 and all other applicable laws, ordinances and regulations of the State of California, the County of Los Angeles, and the CITY and the requirements of Local Enforcement Agencies and other agencies with jurisdiction, and with the Conditional Use Permit issued for this use by the CITY.

### 4. **EQUIPMENT**

- General: CR&R shall provide an adequate number of vehicles and equipment for the collection, processing, disposal and transportation services for which it is responsible under this Agreement. All equipment shall conform to the highest industry standards, shall be maintained in a clean and efficient condition and shall comply with all measures and procedures promulgated by all agencies with jurisdiction.
- Vehicles:
  1. All vehicles owned and operated by CR&R in the performance of this Agreement shall be maintained in compliance with all applicable State and local standards.
  2. Each vehicle owned and operated by CR&R shall be constructed and used so that no oil, grease, liquid, or solid waste and recycling material will blow, fall, or leak out of the vehicle at any time on public streets. Any solid waste and recycling materials dropped or spilled on public streets from vehicles owned and operated by CR&R in collection, transfer or transportation shall immediately be cleaned up by CR&R. A broom and shovel shall be carried at all times on each vehicle for this purposes.
  3. Should the City Manager at any time give notification in writing to CR&R that any vehicle owned and operated by CR&R does not comply with the standards set forth herein, the vehicle shall immediately be removed from service in the CITY and shall not be used again until approved in writing by the City Manager.

- Graffiti: CR&R agrees to maintain Containers and Vehicles owned and operated by CR&R free of graffiti or "tagging".

## **5. LAND USE APPROVALS**

CR&R's obligations under this Agreement shall not become enforceable until the CITY has issued all Approvals necessary for CR&R to operate a DTF.

## **6. CR&R'S PAYMENT OF FEE**

Upon final issuance of the approvals and upon the date that CR&R first begins to accept waste materials at the DTF, CR&R shall pay the CITY's fee as follows:

One Dollar (\$1.00) times the Gross Tonnage Collected (0-150 TPD). The fee shall be paid to the CITY on or before the last calendar day of the month following the end of each calendar quarter.

## **7. BOOKS and RECORDS; AUDITS**

- Accompanying each quarterly payment shall be an accounting of the Gross Tonnage Collected for the quarter. Such accounting shall consist of the official monthly tonnages as reported to the County of Los Angeles Department of Public Health, Solid Waste Management Program. After the above due dates, interest shall accrue at the maximum legal rate allowed under California law. Failure to make payment in full within thirty (30) days of the due date shall be grounds for immediate termination of this Agreement without further notice or such other remedy as the CITY may elect.
- In addition to the record retention requirements set for the below, CR&R shall maintain all records relating to the services provided hereunder, including, but not limited to, weight tickets, AB 939 records, and customer complaints, for the full term that the CUP remains in effect. The CITY shall have the right, upon reasonable advance notice, to inspect, audit and copy all records referred to above relating to the Agreement and records which may be relevant in the event of an action under Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or related claims. In the absence of extraordinary circumstances, two (2) business days' notice shall be considered reasonable. Such records shall be made available to the CITY at CR&R's corporate offices. The CITY shall have the rights to request from CR&R, copies of weighmaster or similar bills of lading to verify tonnage received.
- The CITY may require CR&R to segregate the revenues and expenses and other financial data pertinent to the performance of this Agreement from the total

revenues and expenses of CR&R. In the event the financial data provided by CR&R as to performance of this Agreement is deemed insufficient by the CITY and CR&R fails, after reasonable notice, to provide such data, CITY reserves the right to employ a certified public accountant to examine CR&R's records as necessary to obtain such data. In such case, CR&R shall be liable for, and pay the costs and expenses of obtaining and preparing such data. In the even that CR&R data is deemed sufficient, the costs of the CPA shall be deducted from the following quarter's Gross Tonnage Collected Host Fee.

- The CITY shall have the right to examine CR&R's financial books and records pertaining to related gross tonnages and host fee payments at any time during business hours on reasonable notice to CR&R and to employ a certified public accountant to audit such books and records. If any such audit discloses a deviation of greater than 2% with respect to the Gross Tonnage Collected reported by CR&R for the period of such audit, the cost of the audit shall be paid to the CITY by CR&R. Otherwise, the cost of such audit shall be borne by the CITY.
- The books, records, and accounts relating to CR&R's Gross Tonnage Collected shall be audited by a certified public accountant at the end of CR&R's fiscal year. The report of such accountant and all work papers utilized in the preparation of such audit shall be submitted to the City Manager. The City Manager or his designee shall review the work and work papers and may require any further information from CR&R.
- The CITY shall notify CR&R in writing of the findings resulting from any audit or review of Gross Tonnage Collected pursuant to this Agreement. Should the audit or review reveal an underpayment to the CITY by CR&R, the amount of the underpayment, plus interest compounded daily at the maximum lawful rate, shall be paid to the CITY within thirty (30) days from notice of the findings. Should CR&R dispute the findings, it may appeal said findings in writing to the City Manager within ten (10) calendar days of the written notification. The City Manager or his designee shall then hold a hearing on the matter within fifteen (15) calendar days. At the hearing the City Manager or his designee shall take into account all reports submitted by CR&R, the report and other information submitted by the auditor, and any other such information CR&R may wish to submit. Evidence may be submitted either orally or in writing. The City Manager or his designee shall issue a written decision within ten (10) calendar days of the close of the hearing which decision shall be final.

#### **8. AB 939 REPORTING REQUIREMENTS**

CR&R shall cooperate with the CITY and or designated consultants in any waste stream audits and shall implement measures adequate to achieve the CITY's

source reduction, recycling and waste stream diversion goals. CR&R at its sole expense, shall submit to the CITY information and reports necessary for the CITY to meet its reporting obligations imposed by AB 939, and the regulations implementing AB 939. Such reporting shall consist of the official monthly tonnages as reported to the County of Los Angeles, Department of Public Health, Solid Waste Management Program, and the monthly Solid Waste Information Management System (SWIMS) data as reported to the County of Los Angeles, Department of Public Works.

## **9. REPORTS AND RECORDS**

- Reporting Adverse Information: CR&R shall provide the CITY with a copy of all reports, pleadings, applications, notifications, Notices of Violation, communications or other material relating specifically to the DTF operating at 12739 Lakeland Road, Santa Fe Springs, California 90670. Copies shall be submitted to the CITY simultaneously with CR&R's filing or submission of such matters with said agencies. CR&R's routine correspondence to said agencies need not be routinely submitted to the CITY, but shall be made available to the CITY promptly upon the CITY's written request.
- Cost: All reports and records required under this Agreement shall be furnished at the sole expense of CR&R except as provided herein.
- Submission of Reports: Reports shall be submitted to:

Director of Planning  
City of Santa Fe Springs  
11710 Telegraph Road  
Santa Fe Springs, CA 90670

CR&R shall submit all reports and information required by this Agreement within thirty (30) business days on computer discs, or by model, in a format compatible with the CITY's computers, at no additional charge, if requested by the CITY in writing to CR&R.

- City's Right to Request Information: CR&R shall provide additional information reasonably and directly pertaining to this Agreement on an "as-needed" basis.
- Certification: All reports by this Agreement shall be signed under penalty of perjury, by the responsible corporate official, that the report is true and correct.

## **10. NONLIABILITY OF CITY**

- The CITY and CR&R desire to make it clear that by entering into this Agreement, the CITY is not becoming a "generator" or an "arranger" as those terms are used in the context of CERCLA Section 107(a)(3) and that it is CR&R, an independent entity, and not the CITY, that is "arranging for" the collection, processing and storage in the CITY, the transport for disposal.
- This Agreement does not instruct CR&R on its collection methods, nor supervise the collection of waste material, and nothing in this Agreement or other action of the CITY shall be construed to place title to such solid waste and recycling materials in the CITY or CR&R (the parties recognizing that whatever, if any, title CR&R may gain to such waste is by operation of law and is not the result of this Agreement).
- CR&R represents and warrants to the CITY that it has the experience, responsibility and qualifications to conduct a DTF, to provide the CITY with information sufficient to meet the CITY's reporting requirements under AB 939, to assist the CITY in meeting the CITY's other requirements under AB 939, to arrange for the collection, processing and transport and disposal of waste material.

## **11. INDEMNIFICATION AND INSURANCE**

- Indemnification of CITY: That CR&R., agrees to defend, indemnify and hold harmless the City of Santa Fe Springs, its agents, officers and employees from any claim, action or proceeding against the CITY or its agents, officers or employees to attack, set aside, void or annul an approval of the CITY or any of its councils, commissions, committees or boards arising from or in any way related to the subject DTF, or any actions or operations conducted pursuant thereto. Should the CITY, its agents, officers or employees receive notice of any such claim, action or proceeding, the CITY shall promptly notify CR&R of such claim, action or proceeding, and shall cooperate fully in the defense thereof.
- Hazardous Substances Indemnification: CR&R shall defend, indemnify and hold harmless the CITY, its elected officials, officers, employees, volunteers, agents, assigns and any successor or successors to the CITY's interest from and against all claims, actual damages (including but not limited to special and consequential damages), natural resources damages, punitive damages, injuries, costs, response, remediation and removal costs, losses, demands, debts, liens, liabilities, causes of action, suits, legal or administrative proceedings, interest, fines, charges, penalties and expenses (including but not limited to attorneys' and expert witness fees and costs incurred in connection with defending against any of the foregoing or in enforcing this indemnity) of any kind whatsoever paid, incurred or

suffered by, or asserted against, the CITY or its elected officials, officers, employees, volunteers or agents arising from or attributable to any repair, cleanup or detoxification, or preparation and implementation of any removal, remedial, response, closure or other plan (regardless of whether undertaken due to governmental action) concerning any Hazardous Substance in any solid waste and recycling materials collected, transported, processed, stored or disposed of by CR&R or its activities pursuant to this Agreement resulting in a release of hazardous substances into the environment. This indemnity is intended to operate as an agreement pursuant to Section 107(e) of the Comprehensive Environmental Response, Compensation and Liability Act, "CERCLA", 42 U.S. C. Section 9607(e), and California Health and Safety Code Section 25364, to defend, protect, hold harmless and indemnify the CITY, its elected officials, officers, employees, volunteers, agents, assigns and any successor or successors from all matters addressed in this Section and shall be limited to the extent of the CITY's liability. This provision shall survive the expiration of the period during which collection services are to be provided under this Agreement.

- CERCLA Defense Records: CR&R shall maintain data retention and preservation systems which can establish where solid waste and recyclable materials collected in the CITY was ultimately deposited with a copy or summary of the reports. CR&R agrees to notify the City Manager and City Attorney before destroying such records. This provision shall survive the expiration of the period during which collection services are to be provided under this Agreement.
- Workers' Compensation and Employers' Liability Insurance: CR&R shall obtain and maintain in full force and effect throughout the entire term of this Agreement full workers' compensation insurance and Employers' Liability Insurance in accord with the provisions and requirements of the Labor Code of the State of California.
- Liability Insurance: CR&R shall procure and maintain during the life of this Agreement such public liability and property damage insurance as shall protect the CITY, its elected officials, officers, agents, volunteers and employees, CR&R and any subcontractor performing work covered by this Agreement from claims for damages for bodily injury, including death, personal injury, as well as from claims for property damage which may arise from CR&R's or any subcontractor's operations under this Agreement, whether such operations be by CR&R or by any subcontractor, or by anyone directly or indirectly employed by either CR&R or any subcontractor.

## **12. TRANSFER; CITY CONSENT; FEES**

- CR&R shall not transfer, sell, hypothecate, sublet or assign (collectively "transfer") any of the rights or privileges of the Approvals, either in whole or in part, nor shall

title thereto, either legal or equitable, or any right, interest or property therein, pass to or vest in any person, either by act of CR&R or by operation of law, without the prior approval of the City Council. Any attempt to do any of the foregoing with respect to any of the rights herein without the consent of the City Council shall be grounds for immediate termination of this Agreement. For purposes of this Agreement, any dissolution, merger, consolidation, change in control or other reorganization of CR&R or transfer of a controlling interest of stock shall be deemed a violation of this section. A change of corporate name only shall be deemed to be a violation of this section.

- If the City Council approves the transfer, the CITY may impose reasonable conditions of approval.
- Notwithstanding the above, CR&R shall be entitled to pledge, encumber, or grant any security interest in the DTF provided that CR&R shall first notify and obtain the CITY consent to such transaction, subject to the following conditions:
  1. Any consent so granted by the CITY shall not be deemed a consent to the exercise by such pledge, encumbrancer or secured party of any rights of the holder under the permit, license or other authorization unless so noted by the CITY.
  2. Any consent so granted by the CITY shall not be deemed a consent to any subsequent transfer shall be deemed an assignment of the permit, license or other authorization within the meaning of this SECTION.
  3. The pledgee, encumbrancer, or secured party shall have executed and delivered to the CITY an instrument in writing agreeing to be bound by the provisions of the permit, license or other authorization.

### **13. MONITORING; REMEDIES; IMPOSITION OF DAMAGES; TERMINATION.**

- A. **Monitoring of Agreement.** The CITY or any independent consultant or agent acting on the CITY's behalf shall have the right and authority under the terms of this Agreement to monitor the provisions hereof at CR&R's expense to ensure that all of the term and conditions are adhered to and that all reporting requirements and information are accurately reported to the CITY.
- B. **Termination.** All terms and provisions of this Agreement are material and binding and failure of CR&R to perform any provision hereof or to provide any of the services described herein shall be a breach of this Agreement which may lead to termination of this Agreement.

**C. Notice; Response; Resolution; Appeal.**

1. **Notice of Deficiencies: Response.** If the CITY determines that CR&R has breached this Agreement or any other applicable federal, state or local law or regulation, including but not limited to, the laws governing transfer, storage or disposal of solid waste and recyclable materials, the CITY shall advise CR&R in writing within twenty (20) working days of its discovery of such suspected deficiencies, specifying the deficiency in reasonable detail and setting forth a reasonable time within which CR&R is to respond. Unless the circumstances necessitate correction and response within a shorter period of time or unless a shorter period of time is required by this Agreement, CR&R shall respond to the written Notification of Deficiencies within twenty (20) working days from the receipt by CR&R of such written notice. CR&R may request additional time to correct deficiencies.
2. **Review by City Manager: Notice of Appeal.**
  - a. The City Manager shall review any written response from CR&R and decide the matter. If the City Manager's decision is adverse to CR&R, the City Manager may order remedial actions to cure any deficiencies or invoke any other remedy in accordance with this Agreement, including termination. The City Manager shall promptly inform CR&R in writing of his decision. In the event the decision is adverse to CR&R, The City Manager shall inform CR&R of the specific facts found, and include any relevant affidavits, documents, photographs and videotapes and any other evidence relied on, and the legal basis in provisions of the Agreement or other laws for the decision and any remedial action taken or ordered. An adverse decision by the City Manager shall be final and binding on CR&R unless CR&R files a "Notice of Appeal" with the City Clerk within fifteen (15) working days of receipt of the notification of the adverse decision.
  - b. In any "Notice of Appeal" CR&R shall state all its factual contentions and include any relevant affidavits, documents, photographs and videotapes which CR&R may choose to submit. In addition, CR&R shall include all its legal contentions, citing provisions of the Agreement or other laws to support its contentions.
3. **City Council Hearing.** If a matter is appealed to the City Council by CR&R, the City Council will set the matter for an administrative hearing and act on the matter. The City Clerk shall give CR&R a minimum of Fourteen (14) days written notice of the time and place of the administrative hearing. At the hearing, the City Council shall consider the administrative record. No new legal issues may be raised, or new evidence submitted by CR&R at this or at any further point in the proceedings, absent a showing of good cause. CR&R



representatives and other interested persons shall have a reasonable opportunity to be heard.

4. **City Council Determination.** Based on the administrative record, the City Council shall determine by resolution whether the decision or order of the City Manager should be upheld. A tie vote of the City Council shall be regarded as upholding the decision of the City manager. If, based upon the administrative record, the City Council determines that the performance of CR&R is in breach of any term of this Agreement or any provision of any applicable federal, state or local statute or regulation, the City Council, in the exercise of its discretion, may order CR&R to take remedial actions to cure the breach or impose any other remedy in accordance with this Agreement. The decision or order of the City Council shall be final and binding.

5. **Continued Performance.** CR&R's performance under the Agreement is not excused during the period of time prior to a final determination as to whether or not CR&R performance is in breach of this Agreement, or the time set by the CITY for CR&R to discontinue a portion or all of its services pursuant to this Agreement.

D. **Cumulative Rights.** The CITY's rights of termination are in addition to any other rights of the CITY upon a failure of CR&R to perform its obligations under this Agreement.

#### 14. GENERAL PROVISIONS.

A. **Computer Hardware and Software.** All reports and other information required to be maintained pursuant to this Agreement shall be maintained in a computer database consisting of PDF or other portable document electronic files.

B. **Independent Status.** CR&R is an independent entity and not an officer, agent, servant or employee of the CITY. CR&R is solely responsible for the acts and omissions of its officers, agents, employees, contractors and subcontractors, if any. Nothing in this Agreement shall be construed as creating a partnership or joint venture between the CITY and CR&R, nor an arrangement for the disposal of hazardous substances. Neither CR&R nor its officers, employee, agents or subcontractors shall obtain any rights to retirement or other benefits which accrue to the CITY employees.

C. **Law to Govern; Venue.** This Agreement shall be governed by the laws of the State of California. In the event of litigation between the parties, venue in state trial courts shall lie exclusively in the County of Los Angeles. In the event of litigation in U.S. District Court, exclusive venue shall lie in the Central District of California.



- I. **Force Majeure.** In addition to specific provisions of this Agreement, performance by either party hereunder shall not be deemed to be in default where delays or defaults are due to causes beyond the control of and without the fault of such party, including war, insurrection, strikes, lock-outs, riots, floods, earthquakes, fires, casualties, Acts of God, epidemics, quarantine restrictions, freight embargoes, lack of transportation, governmental restrictions or priority, unusually severe weather, inability to secure necessary labor or supplies, materials or tools, or acts of the other party. An extension of time for any such cause shall be for the period of the enforced delay and shall commence to run from the time of the commencement of the cause, if notice by the party claiming such extension is sent to the other party within thirty (30) days of knowledge of the commencement of the cause.

**WITNESS the execution of this thirteen (13) page Agreement on the day and year first written above.**

DATED: \_\_\_\_\_

CITY OF SANTA FE SPRINGS

BY: \_\_\_\_\_

Mayor

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

DATED: \_\_\_\_\_

CR&R INCORPORATED

By: \_\_\_\_\_

Title: \_\_\_\_\_

APPROVED AS TO FORM:

By: \_\_\_\_\_

Title: \_\_\_\_\_

ATTEST: \_\_\_\_\_

City Clerk

# Advertising Order Confirmation

<u>Ad Order Number</u> 0010972029	<u>Customer</u> CITY OF SANTA FE SPRINGS	<u>Payor Customer</u> CITY OF SANTA FE SPRINGS	<u>PO Number</u> HOST FEE/CR&R
<u>Sales Representative</u> Mikki Almeida	<u>Customer Account</u> 5007848	<u>Payor Account</u> 5007848	<u>Ordered By</u> Teresa .
<u>Order Taker</u> Mikki Almeida	<u>Customer Address</u> ATTN: LINDA GUERRERO 11710 TELEGRAPH ROAD SANTA FE SPRINGS, CA 90670	<u>Payor Address</u> ATTN: LINDA GUERRERO 11710 TELEGRAPH ROAD SANTA FE SPRINGS, CA 90670	<u>Customer Fax</u>
<u>Order Source</u> Select Source	<u>Customer Phone</u> 562-868-0511	<u>Payor Phone</u> 562-868-0511	<u>Customer Email</u> lindaguerrero@santafesprings.org
<u>Current Queue</u> Ready	<u>Invoice Text</u>	<u>Promo Type</u>	<u>Special Pricing</u>
<u>Tear Sheets</u> 0	<u>Blind Box</u>	<u>Materials</u>	
	<u>Affidavits</u> 0		

# Advertising Order Confirmation

Ad Number 10010972029-01  
Ad Size 4 X 63 LI

External Ad Number

Color

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Production Color

Ad Type  
Legal Liner

Ad Attributes

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Production Method

AdBooker

Production Notes

CITY OF SANTA FE SPRINGS  
NOTICE OF PUBLIC HEARING  
HOST FEE AGREEMENT BETWEEN  
CITY OF SANTA FE SPRINGS AND CR&R INCORPORATED

NOTICE IS HEREBY GIVEN: that a Public Hearing will be held before the City of Santa Fe Springs City Council for the following:

**HOST FEE AGREEMENT:** An Agreement creating certain obligations between the City of Santa Fe Springs ("CITY") and CR&R Incorporated (CR&R), including but not limited to paying the CITY a fee based upon the total number of tons per day (TPD) of non-hazardous municipal solid waste processed at the Direct Transfer Facility (DTF) on property located at 12739 Lakeland Road (APN: APN 8011-016-022), within the M-2 Heavy Manufacturing Zone.

**APPLICANT / PROJECT LOCATION:** CR&R, Inc./12739 Lakeland Road (APN: APN 8011-016-022).

**THE HEARING** will be held before the City Council of the City of Santa Fe Springs in the Council Chambers of the City Hall, 11710 Telegraph Road, Santa Fe Springs, on Thursday, July 13, 2017 at 6:00 p.m.

**ALL INTERESTED PERSONS** are invited to attend the Public Hearing before City Council and express their opinion on the subject items listed above. You should note that if you challenge the aforementioned Host Fee Agreement in court, you may be limited to raising only those issues you or someone else raised at the Public Hearing described in this notice, or in written correspondence delivered to the office of the City Clerk at, or prior to, the Public Hearing.

**FURTHER INFORMATION** on this item may be obtained at the City of Santa Fe Springs Planning Department, 11710 Telegraph Road, Santa Fe Springs, California 90670 or by telephone or e-mail: (562) 868-0511, extension 7359, [cbuanguyen@santafesprings.org](mailto:cbuanguyen@santafesprings.org).

Wayne M. Morrell  
Director of Planning  
City of Santa Fe Springs  
11710 Telegraph Road  
Santa Fe Springs, CA 90670

Published: June 28, 2017 Whitfire Daily News Ad#972029

Product	Requested Placement	Requested Position	Run Dates	# Inserts
SGV Newspapers:Whittier	Legals CLS	Miscellaneous/Notices - 1076~	06/28/17	1

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DATE: 05/05/2010



# *City of Santa Fe Springs*

City Council Meeting

July 13, 2017

## **NEW BUSINESS**

Authorization to Renew Café Libro Concession Agreement with Tierra Mia Coffee Company

### **RECOMMENDATION**

That the City Council authorizes the Director of Finance and Administrative Services to execute a one-year agreement with Tierra Mia Coffee Company to provide concession services in the Café Libro area of the City Library.

### **BACKGROUND**

The Tierra Mia Coffee Company is currently providing concession services in the Café Libro area of the City Library under a one-year concession agreement. The current one-year concession agreement that was approved by City Council on July 14, 2016, contained a \$300.00 per month rental fee. It is recommended that the rental obligation remain at \$300.00 per month. See Section Six (6) of the Café Libro Concession Agreement.

### **FISCAL IMPACT**

The fiscal impact will be the continued revenue generated from the collection of rental fees.

### **INFRASTRUCTURE IMPACT**

Tierra Mia Coffee Company provides a valuable amenity to the overall Library experience for patrons and the community at large.

A handwritten signature in blue ink, appearing to read "Thaddeus McCormack".

Thaddeus McCormack  
City Manager

Attachment:  
Café Libro Concession Agreement



**City of Santa Fe Springs Library  
Café Libro**

**CONCESSION AGREEMENT**

This Concession Agreement is made and entered into this 1st day of August, 2017, by and between the CITY OF SANTA FE SPRINGS, a body corporate and politic, hereinafter referred to as the "City," and TIERRA MIA COFFEE COMPANY, A CALIFORNIA CORPORATION, hereinafter referred to as the "Concessionaire."

**WITNESSETH THAT:**

WHEREAS, the City owns a café concession at its Library, 11700 Telegraph Road, Santa Fe Springs, California and,

WHEREAS, the City has determined that the best interest and welfare of the City would be served by the granting of a café concession to the Concessionaire for the purpose of operating a café service located in said Library, and

WHEREAS, the Concessionaire is desirous of receiving a grant of concession from the City upon the terms and conditions hereinafter contained.

NOW, THEREFORE, in consideration of the mutual covenants, agreements, and conditions hereinafter contained, the parties do hereby agree as follows:

1. The City hereby grants to the Concessionaire the right to the use and operation of a cafe service concession in the Café Libro service area at Library located at 11700 Telegraph Road, Santa Fe Springs, California, including the use and operation of the City's facilities and equipment listed and described on Exhibit "A" attached hereto and by reference incorporated herein as a part hereof.
2. The Concessionaire shall have the privilege of operating a cafe and refreshment concession at said café, conditional to compliance by Concessionaire with all rules and regulations of the City concerning the operation thereof and the provisions of this Agreement.
3. For the purpose of this Agreement, the "cafe and refreshment concession" shall be deemed to include coffee, pastries, candy, and beverages, and other items expressly approved by the City.
4. The Concessionaire agrees that the sale, use of, or possession of beer or other alcoholic beverages during service hours or otherwise on the premises is expressly prohibited.
5. The term of this Agreement shall be for a One (1)-year period, **August 1, 2017 through July 31, 2018**. This Agreement may be renewed if both parties agree to mutually acceptable changes to the terms and conditions of this agreement.

6. During the twelve months of this Agreement, effective August 1, 2017, the City will charge the Concessionaire a rental amount of \$300.00 per month.
7. The Concessionaire hereby agrees that all items offered for sale by the Concessionaire shall first be approved by the City or its Library Services Division Director or other duly authorized representatives, and that thereafter the Concessionaire shall not alter the price of any item sold without notification to the City or its Library Services Division Director.
8. The Concessionaire agrees to keep said concession open during the dates and hours of opening and closing specified by the City and its Library Services Division Director.
9. The Concessionaire agrees to pay the cost of a phone line necessary to the operation of the concession.
10. The Concessionaire will market and promote the business at its own expense.
11. The Concessionaire agrees it will maintain the premises in a neat, clean, and sanitary condition, in accordance with guidelines specified in Exhibit "B" attached hereto and by reference incorporated herein as a part hereof. The Concessionaire further agrees that said premises shall at all times be open to inspection by the proper public authorities and the Library Services Division Director or other duly authorized representatives of the City. The City retains the right to close the concession if the Concessionaire receives less than an "A" rating from the Los Angeles Health Department in its annual inspection or if the City or its Library Services Division Director determines that the Concessionaire has not maintained the premises as stipulated in Exhibit "B."
12. The use of profane or indecent language is strictly prohibited, and boisterous, loud, or unsuitable conduct on the part of the Concessionaire, his agents or employees, is likewise strictly prohibited. Any violation of the rules and regulations of the City shall be sufficient cause for termination of this Agreement without compensation or payment of damages to the Concessionaire.
13. The Concessionaire agrees to comply with all City and County laws, rules and regulations, laws of the State of California, and laws of the United States of America, insofar as the same or any of them are applicable hereto.
14. The Concessionaire agrees that competent persons will be in attendance on the premises at all times, and that one person will at all times be in charge of the concession, and the Library Services Division Director shall be notified of the person in charge of the concession.
15. The Concessionaire agrees that it will not, in the operation of said concession, interfere in any way with the general use of the Library or other facilities provided by the City, and the Concessionaire agrees that neither it nor its employees or agents will interfere with the public use and enjoyment of the Library.
16. The Concessionaire agrees that it will not permit disorderly persons to loiter about the premises used by him in the operation of this concession.

17. The City shall maintain the premises as set forth and described in Exhibit "A."
18. The Concessionaire agrees to provide all necessary equipment needed in the operation of said concession not otherwise furnished by the City as set forth and described in Exhibit "A."
19. The Concessionaire shall have the right to install a security camera system within the concession area. Prior to installation, the Concessionaire agrees to provide to the City's Police Services Department product specifications, installation requirements, and proposed equipment locations. The City's Police Services Department will review and approve the proposed security camera system, and also any future proposed modifications to the system. The City's Public Works Department will coordinate, schedule and monitor installation of the proposed security camera system, and also the installation of any future modifications to the system.
20. The Concessionaire shall be solely responsible for the installation, operation, and maintenance of the security camera system. In case of a power failure, the City will not be held responsible for the operation of the system. The Concessionaire agrees to save, keep and hold harmless the City and all of its officers, agents, and employees, from all damage, costs, or expense in law or in equity (including costs of suit and expenses for legal services), that may at any time arise or be set up because of the installation and operation of the security camera system.
21. The Concessionaire acknowledges that it has thoroughly examined the premises to be operated by him under this Agreement, and that he knows the conditions thereof. The Concessionaire further agrees to accept said premises in the condition in which they are upon the commencement of the term hereof, hereby waiving any claim or right on account thereof, and agrees that the City shall not be required at any time to make any improvements, alterations, changes, repairs, or replacements of any of the structures or facilities to be used by the Concessionaire, except as provided in Exhibit "A." The Concessionaire further agrees that it will not make any changes, additions, or alterations of any kind in the premises used or occupied by him without the written consent of the City or its Library Services Division Director. The Concessionaire further waives any right to require the City to make repairs at the cost of the City, which the Concessionaire might otherwise have under the laws of the State of California, or otherwise, except as provided in Exhibit "A."
22. If the premises operated by the Concessionaire shall be so damaged by fire, earthquake, casualty, war, insurrection, riot, or public disorder, or any other cause or happening, as to be substantially destroyed to such an extent that the same cannot be used or operated by the Concessionaire, then this Agreement, at the option of either party, shall immediately cease and terminate. However, at the option of the City, if the premises shall be only partially destroyed, the City may restore the premises to their prior condition, and the Concessionaire shall be obligated to continue operation of the concession upon completion of necessary repairs.
23. The Concessionaire shall, at its sole cost and expense, purchase and maintain throughout the term of this Agreement, the following insurance policies:

A. Automobile insurance covering all bodily injury and property damage incurred during the performance of this Agreement, with a minimum coverage of \$1,000,000 combined single limit per accident. Such automobile insurance shall include all vehicles used during the performance of this agreement whether or not owned by Concessionaire. The Concessionaire also agrees to name the City as a Certificate Holder on his auto insurance policy during the term of this Agreement.

B. Comprehensive general liability insurance, naming the City as "Additional Insured" with a certificate naming such forwarded to the City; the policy shall maintain minimum limits of \$2,000,000 general aggregate, and \$1,000,000 combined single limit per occurrence, covering all bodily injury and property damage arising out of its operation under this Agreement. Such insurance shall also protect against claims arising out of allegations of food poisoning and similar claims.

C. Workers' compensation insurance covering the Concessionaire and all his employees as required by the State of California.

The aforesaid policies shall constitute primary insurance as to the City, its officers, employees, and volunteers, so that any other policies held by the City shall not contribute to any loss under said insurance. Said policies shall provide for thirty (30) days prior written notice to the City of cancellation or material change.

Any aggregate insurance limits must apply solely to this Agreement.

Insurance shall be written with only California admitted companies which hold a current policy holder's alphabetic and financial size category rating of not less than A VIII according to the current Best's Key Rating Guide, or a company with equal financial stability that is approved by the City's Risk Manager.

This Agreement shall not take effect until certificate(s) or other sufficient proof that these insurance provisions have been complied with, are filed with and approved by the City's Risk Manager. If the Concessionaire does not keep all of such insurance policies in full force and effect at all times during the terms of this Agreement, the City may elect to treat the failure to maintain the requisite insurance as a breach of this Agreement and terminate the Agreement as provided herein.

24. The Concessionaire agrees to save, keep and hold harmless the City and all of its officers, agents, and employees, from all damage, costs, or expense in law or in equity (including costs of suit and expenses for legal services), that may at any time arise or be set up because of damage to property or death or injury to persons received or suffered by reason of the operations of the Concessionaire hereunder, or which may be occasioned by any negligent act or omission to act which amounts to negligence on the part of the Concessionaire, or any of his agents or employees, or any act of omission to act on the part of said Concessionaire, his agents, or employees, including breach of implied warranties of fitness or merchantability or food and beverages sold by the Concessionaire, and including the maintenance by the Concessionaire of any defective or dangerous condition of the premises.

25. The Concessionaire agrees to pay all taxes, including sales taxes, excise taxes, personal property taxes, business operations tax certificate, and taxes on the Concessionaire's property or facilities use upon and located upon the premises of the City, and the Concessionaire shall pay any and all taxes which may be levied on the Concessionaire in said real property upon which the concession facilities are located.
26. The Concessionaire agrees that no sign or advertising matter of any kind shall be displayed on or near the outside of the building used and occupied by the Concessionaire, unless first approved by the Library Services Division Director.
27. The Concessionaire agrees that upon the expiration of the term hereof, it will peaceably vacate the premises occupied by his operations, and deliver up the same to the City in good condition, ordinary wear and tear, damage by disaster and the element excepted.
28. The Concessionaire agrees that it will not, without the prior written consent of the City, sublet the premises, or any part thereof, nor assign, hypothecate or mortgage this Agreement.
29. This Agreement shall terminate immediately upon the occurrence of any of the following conditions:
  - (a) Upon the death of the Concessionaire's principal owner;
  - (b) Upon the filing of a voluntary petition in bankruptcy by the Concessionaire;
  - (c) Upon any court taking jurisdiction of the Concessionaire and its assets pursuant to proceedings brought under any Federal reorganization act or any receiver of the Concessionaire's assets who may be appointed for said purpose;
  - (d) Upon the Concessionaire's making any general assignment of its assets for the benefit of creditors;
  - (e) Upon the nonperformance by the Concessionaire of any of the covenants, conditions, or agreements herein above contained, and after written notice of the grounds for said termination has been delivered by the City to the Concessionaire.
30. In the event the City wishes to terminate this Agreement because of breach of any of the obligations, covenants, conditions, or agreement herein contained, the City will give the Concessionaire 30 days notice to correct the deficiency. If such corrections are not satisfactorily made within 30 days then the City may take possession of the premises at the end of 30 days.
31. The parties hereby agree that in the event the Concessionaire shall be prevented from occupying or using the said premises, or shall be prevented from conduction or operating his business or said premises by any final action, order of ruling of Federal or State authorities, then the Concessionaire may, at its option, cancel this agreement by written notice to the City, and said agreement shall become canceled and terminated 30 days after the mailing or delivery thereof.
32. Notice desired or required to be given hereunder or under any law now or hereafter in effect may, at the option of the party giving the same, be given by enclosing the same in a sealed envelope addressed to the party for whom intended, and by depositing such envelope, with postage prepaid, in the United States Post Office, or any substation

thereof, or any public letter box and any such notice and the envelope containing the same shall be addressed to the Concessionaire at 11700 Telegraph Road, Santa Fe Springs, CA 90670 or such other place as may here after be designated in writing by the Concessionaire, and notices and the envelope containing the same to the City shall be addressed or delivered to the Library Services Division Director, City of Santa Fe Springs, 11710 East Telegraph Road, Santa Fe Springs, CA 90670. All such notices so given shall have the same force and effect as if delivered personally, and shall be deemed to have been given on the date when the same are delivered or are so deposited in a post office, substation, or public letter box, as aforesaid.

33. The contents of Exhibits "A" and "B" are incorporated by reference as though fully set forth herein.

IN WITNESS WHEREOF, the parties have executed this Agreement, below, as of the date first set forth above.

CITY OF SANTA FE SPRINGS

By \_\_\_\_\_  
Mayor

CONCESSIONAIRE

By \_\_\_\_\_

ATTEST:

\_\_\_\_\_  
City Clerk

## EXHIBIT "A"

### LIBRARY CAFÉ LIBRO CONCESSION TERMS SUMMARY OF CITY RESPONSIBILITIES

The City will:

1. Maintain the plumbing, electrical system, roof, exterior wall, interior walls, exterior doors, exterior door hardware, and kitchen appliances owned by the City. Said appliances include:
  - (a) Espresso Machine
  - (b) Microwave
  - (c) Ice Machine
  - (d) Reach-in Refrigerator/Freezer
  - (e) Under-Counter Refrigerator
  - (f) Front Service Counter with Display Case
  - (g) Cup Dispenser, Scullery Sink, Faucets, Overhead Cabinets, Wall Shelf, Service counter with Sink, Trash Receptacle.
2. Provide access to the café and its equipment, as well as overnight and weekend storage.
3. Provide utilities except for phone.



## EXHIBIT "B"

### SUMMARY OF CONCESSIONAIRE'S RESPONSIBILITIES

1. Use of high quality coffee and pastries. Maintain cafe facility and its appliances at the highest level of cleanliness, and in accordance with County of Los Angeles Health Dept. Codes. Strive for fast and friendly service.
2. Notify the City of changes to menu plan and prices.
3. Provide a telephone line, separate from the Library phone service, for use in the concession by Concessionaire's representatives.
4. Operate a café service concession during Library open hours.
5. Submit to the City for approval all plans for graphics, advertisements, or signs that relate to the café food concession.
6. Provide and supervise employees in the concession who are acceptable to the Library Services Division Director or her designated representatives.
7. Keep the kitchen area and condiment counter clean and in compliance with City and County sanitation and safety regulations. Remove trash from the kitchen area at the end of operating hours.
8. Provide the City with County inspection notices and rating information.
9. The Concessionaire will be responsible for routine supervision, cleaning, and trash removal with the Café Libro seating area within the Library.
10. The Concessionaire is required to maintain a City business license, Los Angeles County Department of Health Permit, and all required compliance documentation for this type of service.



# City of Santa Fe Springs

City Council Meeting

July 13, 2017

## NEW BUSINESS

### Police Services Staging Facility Renovation – Final Payment

#### RECOMMENDATION

That the City Council approve the Final Payment (less 5% Retention) to P & P Develop, Inc. of Garden Grove, California in the amount of \$31,673.00 for the subject project.

#### BACKGROUND

The City Council, at their meeting of January 26, 2016, awarded a contract to P & P Develop, Inc. of Garden Grove, California in the amount of \$137,856.00 for the above subject.

The project scope of work includes the removal and replacement of the men's and women's wardrobe lockers; renovation to the men's and women's shower and restroom including the removal and replacement of tile, toilets, urinals, partitions, handrails and countertops. The existing flooring was removed and replaced with ceramic tile throughout the facility. The project also included a new roll down fire door requiring structural and electrical modifications. Lastly, the existing exercise room was converted into an interim men's and women's locker room.

The following payment detail represents the Final Payment (less 5% Retention) due per terms of the contract for the work which has been completed and found to be satisfactory.

The final construction cost is \$145,056.00. The final project cost including the construction, lockers, interim facilities, engineering and inspection, overhead and contingency is within the budgeted amount of \$323,000.00.

#### FISCAL IMPACT

The Police Services Staging Facility Renovation is an approved Capital Improvement Plan (CIP) project with an original construction budget of \$323,000.00 that included the removal and replacement of the lockers.

  
Thaddeus McCormack  
City Manager

Attachment:  
Payment Detail

Payment Detail  
Police Services Staging Facility Renovation

Contractor: P & P Develop, Inc.  
8752 Garden Grove, Blvd.  
Garden Grove, CA 92844

Final Payment : **\$31,673.00**

Item No.	Description	Contract				Completed This Period		Completed to Date	
		Quantity	Units	Unit Price	Total	Quantity	Amount	Quantity	Amount
Contract Work									
1.	Mobilization	1	L.S.		\$ 28,400.00	25%	\$ 7,100.00	100%	\$ 28,400.00
2.	Demolition:Remove and dispose stud walls; gypsum furred walls; saw cut concrete/masonry walls; vinyl floor covering and rubber base; cabinets and countertops; mirror; FRP wall coverings; shower enclosures; shower heads and mixing valves; exhaust fans; floor sink toilet partition and urinal screen; acoustical ceiling boards; aluminum and wood doors and jambs. Remove and save existing water closets; urinals; lavatories/kitchen sinks and its faucets; toilet accessories; wall mounted camera and items indicated on drawings, specifications amd in the Appendix- Clarification No. 1.	1	LS		\$ 3,000.00	0%	\$ -	100%	\$ 3,000.00
3.	Furnish, fabricate and install Steel Beam, Tubular Column, and Steel Angle support for Roll-down door, as indicated on drawings, specifications and in the Appendix - "Clarification No. 1".								
	a.) 2-MC8x20 Steel Beam, approximately 12'-0" long.	1	EA	\$ 1,000.00	\$ 1,000.00	0	\$ -	1	\$ 1,000.00
	b.) HSS 5"x2"x1/4" Post, approximately 6'-11 1/2" long, with 5/8" thk base plate.	2	EA	\$ 500.00	\$ 1,000.00	0	\$ -	2	\$ 1,000.00
	c.) L 4"x4"x1/4" Angle Bar, approximately 7'-1/8" long, with 4"x4"x5/8" thk base plate, support for roll-down door.	1	EA	\$ 1,000.00	\$ 1,000.00	0	\$ -	1	\$ 1,000.00
4.	Furnish and install new stud wall, 2x4 studs @ 16" O.C., 8'-0" high, as indicated on drawings and specifications.	46	L.F.	\$ 87.00	\$ 4,002.00	0	\$ -	46	\$ 4,002.00
5.	Furnish and install 2-HR Fire Rated stud wall, 2x8 stud @ 8" O.C. with three (3) layers of gypsum board wall continuous to steel beam both sides, including furring of steel beam, as indicated on drawings and specification.	1	L.S.		\$ 2,000.00	0	\$ -	1	\$ 2,000.00
6.	Furnish, fabricate and install cabinet and casework, complete with plastic laminate finish, hardware and accessories indicated on drawings, specifications and in the Appendix - "Clarification No. 1".								
	a.) New Base Cabinet: As indicated in the Appendix, "Clarification No. 1", Item #4, Sheet A-3, Floor Plan, Training Room 101 - as per Drawings SK-1, SK-2, and SK-3.	1	EA.	\$ 2,500.00	\$ 2,500.00	0.50	\$ 1,250.00	1	\$ 2,500.00
	b.) New Wall Cabinet: As indicated in the Appendix, "Clarification No. 1", Item #4, Sheet A-3, Floor Plan, Training Room 101- as per Drawings SK-1, SK-2, and SK-3.	1	EA.	\$ 1,500.00	\$ 1,500.00	0.50	\$ 750.00	1	\$ 1,500.00
	c.) New Countertop with Splash Board: As indicated on Drawing Sheet A-3, Floor Plan, Office 103, and Sheet A-8, Detail 1.	1	EA.	\$ 1,500.00	\$ 1,500.00	0.50	\$ 750.00	1	\$ 1,500.00



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	d.) New Lavatory Countertop with Splash Board: As indicated on Drawings Sheet A-3, Floor Plan, Mens 106, Sheet A-7, Detail 1; and as indicated in the Appendix, "Clarification No. 1", Item #3, Sheet A-3, Floor Plan, Womens Locker 108, as shown on Sheet A-7, Detail 1.	2	EA.	\$ 2,000.00	\$ 4,000.00	1	\$ 2,000.00	2	\$ 4,000.00
	e.) New Towel Cabinet: As indicated on Drawing Sheet A-3, Floor Plan, Mens 106 Sheet A-8, Detail 2.	1	EA.	\$ 1,000.00	\$ 1,000.00	0.50	\$ 500.00	1	\$ 1,000.00
7.	Furnish and install Hollow Metal Frame, 16 gage cold rolled steel with concealed reinforcement and prime coated at the shop, as indicated on drawings and specifications.								
	a.) Size: 3'-0" W x 7'-0" H.	5	EA.	\$ 800.00	\$ 4,000.00	1	\$ 800.00	5	\$ 4,000.00
	b.) Size: 3'-0" W x 6'-8" H, labelled 1-1/2 Hr. Fire Rated Door Frame.	1	EA.	\$ 2,000.00	\$ 2,000.00	1	\$ 2,000.00	1	\$ 2,000.00
8.	Furnish and install Solid Core Doors and Fire Rated Wood Door, as indicated on the drawings and specifications.								
	a.) Solid Core Door: 3'-0" W x 7'-0" H x 1-3/4" thk, flush panel hardwood veneered wood doors, 5-ply or 7 ply, conforming to Commercial Standard CS171.	5	EA.	\$ 1,200.00	\$ 6,000.00	0.50	\$ 600.00	5	\$ 6,000.00
	b.) Fire Rated Door, 1-1/2 Hr labelled : 3'-0" W x 6'-8" H x 1-3/4" thk wood door, conforming to ASTM E 152, Standard Method of Fire Tests of Door Assemblies.	1	EA.	\$ 2,000.00	\$ 2,000.00	0.50	\$ 1,000.00	1	\$ 2,000.00
9.	Furnish and Install 4'-6" W x 8'-0" H Roll-up Fire Door, chain operated with auto reset, curtain to be No. 45 slat, 22 gage, non insulated with final coat standard gray finish, and with chain bag, manufactured by Cookson Model FD-2A, complete with all hardware, as indicated on drawings and specification.	1	EA.	\$ 3,000.00	\$ 3,000.00	0	\$ -	1	\$ 3,000.00
10.	Furnish and Install Finish Hardware required to complete the work and operate per the intended functionality of the door as indicated on: Drawing Sheet A-3, "Door Schedule"; Specification Section 08700, "Schedule of Finish Hardware"; and in the Appendix, "Clarification No. 1", Item #8.								
	a.) HW-1: Each door will have all the finish hardware (12 items) indicated in Section 08710-8 & 08710-9 of the specification. *Note: Keyless entry, keypad and wiring by others.	1	Set	\$ 600.00	\$ 600.00	0	\$ -	1	\$ 600.00
	b.) HW-2: Each door will have all the finish hardware (7 items) indicated in Section 08710-9 of the specification.	2	Set	\$ 600.00	\$ 1,200.00	1	\$ 600.00	2	\$ 1,200.00
	c.) HW-3: Each door will have all the finish hardware (6 items) indicated on drawings and Section 08710-9 of the specification.	1	Set	\$ 500.00	\$ 500.00	0.50	\$ 250.00	1	\$ 500.00

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	d.) HW-4: Each door will have all the finish hardware (9 items) indicated in Section 08710-9 & 08710-10 of the specification. *Note: Keyless entry, keypad and wiring by others.	2	Set	\$ 600.00	\$ 1,200.00	1	\$ 600.00	2	\$ 1,200.00
	e.) HW-5: Each door will have all the finish hardware (7 items) as indicated in Section 08710-10.	1	Set	\$ 500.00	\$ 500.00	0.50	\$ 250.00	1	\$ 500.00
11.	Furnish and install 3'-0" W x 7'-0" H x 1-3/4" thk. Aluminum Entrance Door, Heavy Duty Wide Stile Door Model No WS512HD, manufactured by Arcadia Inc., as indicated in the drawings and specifications.	1	EA.	\$ 1,500.00	\$ 1,500.00	0	\$ -	1	\$ 1,500.00
12.	Furnish and install new gypsum board, 5/8" thk or match existing, taped and finished (level 4), use moisture resistance gypsum board at restroom, locker and shower rooms, as indicated on drawings and specification.								
	a.) On new stud walls	600	S.F.	\$ 5.50	\$ 3,300.00	0	\$ -	600	\$ 3,300.00
	b.) On ceilings	55	S.F.	\$ 20.00	\$ 1,100.00	0	\$ -	55	\$ 1,100.00
	c.) Repair, patch and prepare for painting/tiling existing walls and ceiling surfaces affected by the demolition, installation of new stud walls, new door jambs and heads, new electrical/data/TV outlets and where FRP board was removed.	1	L.S.	\$ -	\$ -	0	\$ -	0	\$ -
13.	Furnish and install 5/8" thk. Cementitious Backerboard, in shower stalls, as indicated on drawings and specifications.	296	S.F.	\$ 3.50	\$ 1,036.00	0	\$ -	296	\$ 1,036.00
14.	Furnish and Install Water Proofing Membrane (in showers), 8 mil Fleece laminated polyethylene sheet, per Detail 11, Sheet A-8, and as indicated on drawing and specification.	340	S.F.	\$ 3.00	\$ 1,020.00	0	\$ -	340	\$ 1,020.00
15.	Furnish and install unglazed ceramic mosaic floor tile, 2" x 2", on mortar bed with 2" x 2" mesh of 16/16 gage welded wire fabric reinforcement, as indicated in the drawings and specifications.	44	S.F.	\$ 35.00	\$ 1,540.00	0	\$ -	44	\$ 1,540.00
16.	Furnish and install 4" x 4" glazed ceramic wall tile, as indicated on drawings and specifications.								
	a.) At mens and womens shower.	296	S.F.	\$ 5.00	\$ 1,480.00	0	\$ -	296	\$ 1,480.00
	b.) At mens and womens toilet, replacing FRP board wainscot.	240	S.F.	\$ 5.00	\$ 1,200.00	0	\$ -	240	\$ 1,200.00
17.	Furnish and install 8" x 40" porcelain floor tiles, as indicated on drawings and specifications.	1660	S.F.	\$ 6.00	\$ 9,960.00	0	\$ -	1,660	\$ 9,960.00
18.	Furnish and install 6" H x 8" L porcelain cove base, as indicated on drawings and specification.	415	L.F.	\$ 5.00	\$ 2,075.00	0	\$ -	415	\$ 2,075.00



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19.	Furnish and install acoustical ceiling board, 24" x 48" "Fine Fissured Square Lay In", manufactured by Armstrong Cork Co. or approved equal, as indicated on drawings and specifications.	560	S.F.	\$ 2.00	\$ 1,120.00	0	\$ -	560	\$ 1,120.00
20.	Furnish and install new ceiling suspension system, T-bar 2' x 4' grid, to match existing, for areas where new infill ceiling is required, as indicated on drawings and specifications.	44	S.F.	\$ 12.00	\$ 528.00	0	\$ -	44	\$ 528.00
21.	Interior Painting: Furnish and apply paint on new and existing drywall walls and ceilings, hollow metal door jambs, roll-down door hood and jambs, wood doors, wood trims, and all items normally painted excluding factory finish items, as indicated on drawings and specifications.								
	a.) New drywall walls and ceilings: Apply one (1) coat primer and two (2) coats paint.	750	S.F.	\$ 1.50	\$ 1,125.00	0	\$ -	750	\$ 1,125.00
	b.) Previously painted walls and ceiling: Apply two (2) coats of paint.	4120	S.F.	\$ 1.50	\$ 6,180.00	0	\$ -	4,120	\$ 6,180.00
	c.) Wood doors and hollow metal door jambs: Apply one (1) coat primer and two (2) coats paint.	6	EA.	\$ 250.00	\$ 1,500.00	4	\$ 1,000.00	6	\$ 1,500.00
	d.) Roll-down door hood and jambs: Apply one (1) coat primer and two (2) coats paint.	1	EA.	\$ 500.00	\$ 500.00	0	\$ -	1	\$ 500.00
22.	Furnish and install Drinking Fountain with bottle filling station, Elkay "ezH2O", Model LZS8WSLP, as indicated on drawings and specifications.	1	EA.	\$ 3,000.00	\$ 3,000.00	0.00	\$ -	1.00	\$ 3,000.00
23.	Furnish and install new 12" x 14" centrifugal ceiling exhaust fan, Model No. GC-126-188, 30-260 CFM, manufactured by Loren Cook Co., as indicated on drawings and specifications.	3	EA.	\$ 1,000.00	\$ 3,000.00	0	\$ -	3	\$ 3,000.00
24.	Furnish and install silvered flat glass mirror, 1/4" thk., select quality conforming to ASTM C-1503-08 (2013), as indicated on drawings and specifications.								
	a.) Mens restroom lavatory, size: 6'-0" W x 3'-6 1/2" H.	1	EA	\$ 500.00	\$ 500.00	1	\$ 500.00	1	\$ 500.00
	b.) Mens and Womens locker room, size: 18" W x 74" H.	2	EA.	\$ 500.00	\$ 1,000.00	2	\$ 1,000.00	2	\$ 1,000.00
25.	Furnish and install Coat Hooks Model No. B-2116, 3-1/2" projection with concealed mounting, manufactured by Bobrick, as indicated on drawings and specifications.	4	EA.	\$ 120.00	\$ 480.00	2	\$ 240.00	4	\$ 480.00
26.	Furnish and install "Moen" Shower System Model No. 8375EP15, commercial chrome post temp shower, complete with shower head and mixing valve, as indicated on drawings and specifications.	3	EA.	\$ 650.00	\$ 1,950.00	0	\$ -	3	\$ 1,950.00



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27.	Furnish and install the following toilet accessories as indicated on drawings and specifications:								
	a.) Grab Bars, 1-1/2" diameter x 42" long, Bobrick Model No. B-490, with exposed mounting fastenings and vandal resistant screws or approved equal.	2	EA	\$ 250.00	\$ 500.00	1	\$ 250.00	2	\$ 500.00
	b.) Grab Bars, 1-1/2" diameter x 36" long, Bobrick Model No. B-490, with exposed mounting fastenings and vandal resistant screws or approved equal.	2	EA.	\$ 250.00	\$ 500.00	1	\$ 250.00	2	\$ 500.00
	c.) Bench, folding shower seat, Bobrick Model No. B-517 (right hand)/B-518 (left hand).	2	EA.	\$ 750.00	\$ 1,500.00	1	\$ 750.00	2	\$ 1,500.00
28.	Re-install the following Existing Toilet Fixtures and fittings; and Toilet Accessories:								
	a.) Existing Water Closets with new angle valve.	4	EA.	\$ 500.00	\$ 2,000.00	0	\$ -	4	\$ 2,000.00
	b.) Existing Urinals.	2	EA.	\$ 150.00	\$ 300.00	0	\$ -	2	\$ 300.00
	c.) Existing Lavatories and faucets with new angle valve.	4	EA.	\$ 125.00	\$ 500.00	4	\$ 500.00	4	\$ 500.00
	d.) Existing Kitchen Sink and faucet with new angle valve.	1	EA.	\$ 200.00	\$ 200.00	1	\$ 200.00	1	\$ 200.00
	e.) Existing Toilet Tissue Dispenser	4	EA.	\$ 100.00	\$ 400.00	4	\$ 400.00	4	\$ 400.00
	f.) Existing Toilet Seat-Cover Dispenser.	4	EA.	\$ 100.00	\$ 400.00	4	\$ 400.00	4	\$ 400.00
29.	Furnish and install new Toilet Partitions and Urinal Screens, manufactured by Knickerbocker Partition Corp., or equal products, as indicated on drawings and specifications.	1	L.S.	\$ 5,000.00	\$ 5,000.00	0	\$ -	1	\$ 5,000.00
30.	Furnish and install dedicated "J-Box" above ceiling, complete with conduit, conductors and ground wires, to existing Panel "A", as indicated on drawings, specification and in the Appendix, "Clarification No. 1".	6	EA	\$350.00	\$ 2,100.00	0	\$ -	6	\$ 2,100.00
31.	Furnish and install Circuit Breakers 20A-1P in existing Panel "A", as indicated on drawings and specifications.	4	EA	\$ 350.00	\$ 1,400.00	2	\$ 700.00	4	\$ 1,400.00
32.	Furnish and install "Exit Sign" with a minimum 90 minutes of emergency power (Battery Pack) manufactured by Evenlite Model No. RZR-EM-G-1-BB-T, to be connected to unswitched circuit, as indicated in the Appendix, "Clarification No. 1", Item #5, Electrical Notes #10 for revised plan "SK-4".	2	EA	\$ 500.00	\$ 1,000.00	0	\$ -	2	\$ 1,000.00
33.	Furnish and install new 6" Downlight, as indicated on Drawing Sheet A-6.	1	EA	\$ 500.00	\$ 500.00	0	\$ -	1	\$ 500.00
34.	Furnish and install Convenience Outlet, as indicated on Drawing Sheet A-6.	7	EA	\$ 80.00	\$ 560.00	0	\$ -	7	\$ 560.00

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35.	Furnish and install Data Outlet, as indicated on Drawing Sheet A-6.	2	EA	\$ 250.00	\$ 500.00	0	\$ -	2	\$ 500.00
36.	Furnish and install Television Cable Outlet, as indicated on Drawing Sheet A-6.	1	EA	\$ 500.00	\$ 500.00	0	\$ -	1	\$ 500.00
37.	Relocate existing light switches affected by the renovation of walls adjacent to Door Nos. 8 and 14, as indicated in the Appendix, "Clarification No. 1", Item #5.	2	EA	\$ 250.00	\$ 500.00	0	\$ -	2	\$ 500.00
38.	Furnish and install traffic striping, layout, stencils (Waterborne Traffic Line Paint) for walkway and accessible parking stall, complete with concrete wheel stop and accessible signage, as indicated on Drawings Sheet A-1 and A-9.	1	L.S.		\$ 1,500.00	100%	\$ 1,500.00	100%	\$ 1,500.00
39.	Relocate existing light strip to new location in the Men's/Women's Locker Room as indicated on Drawing Sheet No. A-6.	4	EA	\$ 250.00	\$ 1,000.00	0	\$ -	4	\$ 1,000.00
Original Contract Amount					\$ 137,856.00		\$ 26,140.00		\$ 137,856.00

Contract Change Order No. 1	1	L.S.		\$ 7,200.00	100%	\$ 7,200.00	100%	\$ 7,200.00
Contract Amount to Date					\$ 145,056.00		\$ 33,340.00	\$ 145,056.00

Total Completed Items to Date: \$ 145,056.00

CONTRACT PAYMENTS:

Total Items Completed to Date	\$145,056.00
Less Progress Payment No. 1	\$(36,918.90)
Less Progress Payment No. 2	\$(38,924.35)
Less Progress Payment No. 3	\$(30,286.95)
Less 5% Retention	\$(7,252.80)
Final Payment	\$31,673.00

Invoice Date	Invoice No.	Warrant Billing Period		
		Invoice Due Date	Invoice Pay Date	Amount
3/21/2017	Progress Payment No. 1	3/27/2017	4/6/2017	\$ 36,918.90
4/21/2017	Progress Payment No. 2	4/25/2017	5/4/2017	\$38,924.35
5/22/2017	Progress Payment No. 3	5/23/2017	6/1/2017	\$30,286.95
6/14/2017	Final Payment	6/20/2017	6/29/17	\$31,673.00

Finance Please Pay:	\$31,673.00
Project Account:	455-397-S015-4800
Recommended by:	Robert Garcia
Approved by:	<i>RK</i> 6/28/17





# *City of Santa Fe Springs*

*City Council Meeting*

July 13, 2017

## **NEW BUSINESS**

Request for approval of a Recyclable Materials Dealer Permit for STAR Scrap Metal Company (Applicant, David Stein).

### **RECOMMENDATION**

That the City Council approve the issuance of Recyclable Materials Dealer Permit No. 33 to STAR Scrap Metal subject to the conditions of approval as contained within this report.

### **BACKGROUND**

City Ordinance No. 892, approved by the City Council on April 22, 1999, added Section 119.02 to the City's Municipal Code which requires all persons engaged in the business of purchasing or collecting recyclable materials within the city must first obtain from the City Council a permit as a "Recyclable Materials Dealer."

In accordance with Section 119.02, the Applicant, David Stein, Vice-president of STAR Scrap Metal located at 1509 S. Bluff Road, in the City of Montebello, is requesting a Recyclable Materials Dealer Permit to allow the collection of scrap metal. The commodity/type of metal materials collected includes: aluminum, brass, copper, steel, hi-temp and stainless steel. STAR Scrap Metal provides pickup and recycling services for their clientele. Once the materials are collected they are transported to their facility in Montebello to be sorted into different classifications and packaged in containers which are then sold both locally and overseas.

Having been in business for over 65 years, STAR Scrap Metal Company has a business philosophy that inherently responds to the most demanding requirements for recycling. STAR Scrap Metal Company accepts recycling goods from the public, plumbers, electricians, contractors and demolition companies. STAR Scrap Metal provides a clean safe environment to recycle metals. The pricing is based on the American Metal Market publication or any agreed upon index. Just like all commodities, metal prices fluctuate with the markets.

### **STAFF CONSIDERATIONS**

As part of the permit process, staff conducted a review of the Applicant's request for a Recyclable Materials Dealers Permit. Based on the information provided, it is staff's opinion that if the recycling activity is conducted in accordance with the conditions of approval contained within this report, then the use will not pose a risk or nuisance to the public.

Consequently, staff is recommending approval of the Recyclable Materials Dealer Permit

as requested by the Applicant subject to the conditions of approval set forth herein.

RECYCLABLE MATERIALS HAULING-PURCHASE OF MATERIAL

Section 119.05, regarding the purchasing and hauling of recyclable materials, states the following:

"Permitted recyclable materials dealers shall be allowed to purchase and haul recyclable materials, as defined under Section 119.01, from any business location within the city, provided not less than 90% of the materials removed is recycled, reused, or taken to a certified recycling center, except in the case of construction debris, where the requirements shall be 75% recyclable."

CONDITIONS OF APPROVAL

1. That the Applicant shall comply with all of the conditions of approval set forth in Recyclable Materials Dealer Permit #33. That should Recyclable Materials Dealer Permit #33 become nullified or terminated, STAR Scrap Metal Company shall not be able to collect recyclable materials within city limits.
2. That, in accordance with Section 119.09 of the City Code, the Applicant understands that the Recyclable Materials Dealer Permit shall not be assigned or otherwise transferred without the prior written approval of the City Council. Any transfer or assignment made without such approval shall be treated as null and void, and this permit may be subject to revocation.
3. That the Applicant shall complete the City's tracking form that will: 1) confirm the amount of recyclable material being recycled from the City; 2) indicate any charges to customers; and 3) include any payments due to the City. This tracking form shall be submitted on a monthly basis, unless no fees for service are collected under which circumstances the form shall be submitted quarterly. Contact Maribel Garcia, City Manager's Office at (562) 868-0511, ext. 7569 to submit the tracking reports. Failure to submit the required tracking form may result in the permit being null and void.
4. That the Applicant is only permitted to collect recyclable materials as noted on the initial application. That no person other than an authorized franchised waste hauler may place a container for the collection of solid waste. Any container placed in violation is hereby declared to be a nuisance, and is subject to abatement pursuant to applicable provisions of the code including revocation of said permit.
5. That the Applicant is permitted to collect recyclable materials by paying for it or collecting it at no cost to the business.

6. That if the Applicant is getting paid to collect recyclable materials, the Applicant shall pay the City a franchise fee.
7. That if the Applicant is going to install a bin to collect recyclable materials at a business location, the business is required to obtain a permit from the City to install said bin. The bin shall not contain any material other than the recycled material that is noted on the application.
8. That if the Applicant wants to collect other material that is not listed in the application, the Applicant is required to apply for a new Recyclable Dealers Permit.
9. That if the Applicant is granted this permit, the City will add his/her company's name to the list of permitted recyclable materials dealers, and specifically identify his/her firm as collecting recyclable materials only as depicted on the initial application.
10. That the Applicant shall obtain and maintain a current Santa Fe Springs Business Operation Tax Certificate, commonly known as a business license. This license can be obtained through the Finance Department, City Hall, 11710 E. Telegraph Road.
11. That the Applicant shall not collect, haul, or purchase recycled material, as defined under Section 119.01, from any business location within the City, containing less than 90% materials that will be recycled, reused, or taken to a certified recycling center, except in the case of construction debris, where the requirement shall be 75% recyclable material.
12. That the Applicant agrees to abide by all requirements in Chapter 119 of the City Code.
13. That vehicles used in conjunction with the recycling operation shall not be stored or parked in the Single Family Residential Zone (R-1), within the City limits.
14. That all equipment used in the collection of recyclable materials shall conform to the highest industry standards, shall be maintained in a clean and efficient condition, and shall comply with all measures and procedures promulgated by all agencies with jurisdiction.
15. That any vehicles used in conjunction with the recycling operation must be inspected by the California Highway Patrol as coordinated by the Department of Public Works on an annual basis. Contact Tim Rodriguez, Department of Public Works at (562) 868-051, ext. 3620 to arrange for vehicle inspections.
16. That all vehicles used by a Recyclable Materials Dealer shall be maintained in

compliance with all applicable State and local laws. The vehicles shall also comply with the following:

- a. The name of the dealer or firm name, together with the phone number of the company, shall be printed or painted in legible letters, not less than three inches in height, on both sides of all trucks and conveyances used to collect or transport recyclable materials within the city;
  - b. Each vehicle shall be constructed and used so that no material will block, fall, or leak out of the vehicle. Any material dropped or spilled in collection or transfer shall immediately be cleaned up by the operator. A broom, shovel, and spill kit shall be carried at all times on each vehicle for this purpose; and
  - c. Should the City Manager, or designee, at any time give notification in writing to a permittee that any vehicle does not comply with the standards set forth herein, the vehicle shall immediately be removed from service in the City and shall not be used again until approved in writing by the City manager, or his designee.
17. All equipment used to collect recyclable materials, including vehicles and containers, shall be kept free of graffiti. Vehicles containing graffiti shall not be used within the City limits until the graffiti is fully removed or properly painted over.
  18. That the vehicles used in picking up recycling goods shall be clearly marked with the company name. Should the Applicant sub-contract the pickup services, approval shall first be obtained from the Director of Police Services or his designee.
  19. That the recycling bins shall not obstruct or be located within required parking, loading, or driveway areas.
  20. That the recycling bins shall be located in an area where they will not be visible from the street; alternatively, an enclosure may be constructed to help screen the recycling bins. Construction of a recycling enclosure will require review and approval by the Planning Department.
  21. That the Applicant shall not allow their vehicles/trucks to queue on the streets, use streets as a waiting area, or to back up onto the street from the subject property.
  22. That the pickup of recycling goods shall not be performed within the residential areas between the hours of 7 p.m. and 7a.m. the day thereafter.
  23. That all company drivers shall be fully licensed with the appropriate classification

as required by the California Department of Motor Vehicles.

24. That in the event the owner(s) intend to sell, lease, or sublease the subject business operation or transfer the subject permit to another owner/applicant or licensee, both the City Manager and Director of Police Services shall be notified in writing of said intention not less than 60 (sixty) days prior to signing of the agreement to sell, lease or sublease.
25. That all recycling activities shall comply with Section 155.420 of the City's Zoning Ordinance regarding the generation of objectionable odors. If there is a violation of this aforementioned Section, the property owner/applicant shall take whatever measures necessary to eliminate the objectionable odors from the operation in a timely manner.
26. That the Applicant shall comply with all of the Federal, State, and local regulations, ordinances, and reporting requirements pertaining to recycling operations.
27. That the City Manager and Director of Police Services, at their discretion, shall have the authority to include additional conditions of approval that they may deem necessary, prior to the termination of the licensing period.
28. That Recyclable Dealer Permit No. 33 shall not be valid until approved by the City Council and shall be subject to any other conditions the City Council may deem necessary to impose.
29. That this permit be valid through June 30, 2018, at which time the Applicant shall request an annual extension of the privileges granted herein, provided that the use has been continuously maintained in strict compliance with these conditions of approval.
30. It is hereby declared to the intent that if any provision of this permit is violated or held to be invalid, or if any law, statute, or ordinance is violated the permit shall be subject to the revocation process.

  
Thaddeus McCormack  
City Manager

Attachment(s)  
Recycling Permit Application

Report Submitted By: Margarita Matson  
Police Services Department

Date of Report: June 29, 2017



## City of Santa Fe Springs

11710 Telegraph Rd., Santa Fe Springs, CA 90670-3679

(562) 868-0511 Fax (562) 868-7112 www.santafesprings.org

Office use only	
Date Applied:	6/23/2017
Certificate No.:	33

## Recycling Permit Application

Recycler Information			
Applicant Name & Title:	STAR SCRAP METAL CO. (DAVID STEIN VICE PRESIDENT)		
Business Address:	1509 S. BLUFF ROAD, MONTEBELLO, CA 90640		
Mailing Address (if Different):			
Business Phone:	(714) 994-3450	Business Fax:	(714) 994-6259
Email Address	DOUGA @ STAR.SCRAP.COM		

Materials to be Recycled & Estimated Monthly Weight to be Hauled – in Tons			
<b>Construction &amp; Demolition</b>	<b>Tons/Months</b>	<b>Glass</b>	<b>Tons/Months</b>
<input type="checkbox"/> Brick	_____	<input type="checkbox"/> Beverage Containers (w/CRV)	_____
<input type="checkbox"/> Concrete	_____	<input type="checkbox"/> Crushed	_____
<input type="checkbox"/> Dirt	_____	<input type="checkbox"/> Other Beverage Containers	_____
<input type="checkbox"/> Granite	_____	<input type="checkbox"/> Panes	_____
<input type="checkbox"/> Gravel	_____	<input type="checkbox"/> Other Glass	_____
<input type="checkbox"/> Pavement/Asphalt	_____	<b>Paper</b>	<b>Tons/Months</b>
<input type="checkbox"/> Sand	_____	<input type="checkbox"/> Cardboard	_____
<b>Metal</b>	<b>Tons/Months</b>	<input type="checkbox"/> Computer Paper	_____
<input type="checkbox"/> Aluminum Cans	_____	<input type="checkbox"/> Newspaper	_____
<input type="checkbox"/> Ferrous Metals	_____	<input type="checkbox"/> Office Paper	_____
<input type="checkbox"/> Non-Ferrous Metals	_____	<input type="checkbox"/> Telephone Books	_____
<input checked="" type="checkbox"/> Scrap Metals	0-20 Tons	<b>Plastic</b>	<b>Tons/Months</b>
<input type="checkbox"/> Tins Cans	_____	<input type="checkbox"/> Film	_____
<input type="checkbox"/> White Goods	_____	<input type="checkbox"/> High Density Polyethylene (HDPE)	_____
<b>Yard Wastes</b>	<b>Tons/Months</b>	<input type="checkbox"/> Polythene Terephthalate (PET)	_____
<input type="checkbox"/> Compost	_____	<b>Wood</b>	<b>Tons/Months</b>
<input type="checkbox"/> Grass Clippings	_____	<input type="checkbox"/> Bark	_____
<input type="checkbox"/> Leaves	_____	<input type="checkbox"/> Boards/Planks	_____
<input type="checkbox"/> Mixed	_____	<input type="checkbox"/> Chips	_____
<input type="checkbox"/> Prunings/Christmas Trees	_____	<input type="checkbox"/> Pallets	_____
<b>Other Organics</b>	<b>Tons/Months</b>	<input type="checkbox"/> Sawdust	_____
<input type="checkbox"/> Food Waste	_____	<input type="checkbox"/> Shavings	_____
<input type="checkbox"/> Textiles	_____	<b>Other</b>	<b>Tons/Months</b>
<b>Other</b>	<b>Tons/Months</b>	<input type="checkbox"/> Ash	_____
<input type="checkbox"/> _____	_____	<input type="checkbox"/> Mixed Residue	_____
<input type="checkbox"/> _____	_____	<input type="checkbox"/> Soap	_____
<input type="checkbox"/> _____	_____	<input type="checkbox"/> Tire Rubber	_____
<input type="checkbox"/> _____	_____	<input type="checkbox"/> Used Oil	_____

Location Where Materials Will Be Taken To Be Recycled			
Business Name:	STAR SCRAP METAL CO. INC		
Business Address:	1509 S. BLUFF RD MONTEBELLO, CA 90640		
Mailing Address (if Different):			
Business Phone:	(714) 994-3450	Business Fax:	(714) 994-6259
Recyclable Dealer Permit No.		Business License Number	
Describe How The Materials Will Be Used Once They Have Been Recycled (i.e., Tire Rubber to Asphalt).			
SCRAP METAL IS BROUGHT TO STAR WHERE IT IS SORTED THAN PACKAGED AND SHIP.			
Will you be charging a fee to pick up the materials? Yes <input type="checkbox"/> No <input type="checkbox"/>			
Will you be receiving payment for materials being picked up? Yes <input type="checkbox"/> No <input type="checkbox"/>			
Describe How The Method Of Calculating Your Fees To The Business Including Dollar Amounts (i.e., \$10/Ton)			
PRICE IS DETERMINED ON WEIGHT IN ROLL OFF COMMODITY, PRICE WILL ALSO BE DETERMINED IF LOAD IS MIXED OR CLEAN.			

According to Section 119.06 of the City Code, "Permitted recyclable materials dealers shall be allowed to charge a fee to haul recyclable materials as defined under §119.01, from any business location within the city, provided not less than ninety percent (90%) of the material removed is recycled, reused or taken to a certified recycling center, except in the case of construction debris, where the requirement shall be seventy-five percent (75%) recyclable. In order to engage in such activity, the business entity which will be contracting with the recyclable materials dealer shall first obtain a "Fee-for-Service Recycling Permit" to be issued by the Director. Each permit application shall be accompanied by a detailed explanation of the types of materials that will be hauled and the recycling facility where the materials will be taken. Any fee charged under this section shall be subject to the franchise fee specified under §50.22. In addition, any recyclable materials dealer engaging in fee-for-service hauling shall also be subject to the reports, remittances, books and records, audits, and penalties specified under §50.24."

According to Section 119.07 of the City Code, "recyclable materials dealers shall not knowingly transport loads containing more than ten percent (10%) residue, or twenty-five (25%) in the case of construction debris, from any premises within the city, either free or on a fee-for-service basis, whether or not such dealers are picking up recyclable materials from such premises."

According to Section 119.08 of the City Code, "On a not less than monthly basis for fee-for-service hauling, and not less than quarterly basis for purchase hauling, at their sole expense, all recyclable materials dealers shall furnish collection reports to the city, and a form provided by, or acceptable to, the Recycling Coordinator. These reports shall include the total number of tons collected, and the number of tons recycled, the number of tons by type of recyclable materials collected, and the number of tons of residue and where the residue was disposed of during the previous quarter. These reports shall be furnished no later than thirty (30) days following the last calendar quarter day or calendar month, whichever applies."

I CERTIFY THAT I HAVE READ AND FULLY UNDERSTAND THE PRECEEDING AND AGREE TO COMPLY WITH THESE STATUTES AS WELL AS ALL LOCAL, COUNTY, STATE, AND FEDERAL LAWS PERTAINING TO THE EXECUTION OF THIS PERMIT. I ALSO CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Name DAVID STEW Title VICE PRESIDENT  
 Signature [Signature] Date 6.23.17

Office Use Only	
Application Received By: <u>M. Hanson</u>	Date: <u>6/23/17</u>
Payment Date: <u>6/23/17</u>	Effective Date of Permit:





### **NEW BUSINESS**

Authorize the Purchase of an Air & Light Vehicle from Emergency Vehicle Group, Inc. (EVG), Related Vehicle Communication Equipment, and Vehicle Support Equipment.

#### **RECOMMENDATIONS:**

That the City Council take the following actions

1. Authorize the Fire Chief to purchase an Air & Light Unit from Emergency Vehicle Group, Inc. (EVG) for an amount not to exceed \$550,623.44.
2. Authorize the Fire Chief to purchase the Air & Light Vehicle's Communication Equipment from Motorola Solutions for an amount not to exceed \$27,995.30.
3. Authorize the Fire Chief to purchase the Air & Light Vehicle's Mobile Data Computer (MDC) unit from Commline Inc. for an amount not to exceed \$4,791.87.
4. Authorize the Fire Chief to purchase additional vehicle support equipment to outfit the Air & Light Vehicle for an amount not to exceed \$15,500.00.
5. Authorize the Fire Chief to enter into a lease financing agreement with Community Leasing Partners for a 7-year term at an interest rate of 2.78% and annual payments in the amount of \$92,779.19 commencing at the time of lease origination.

#### **BACKGROUND**

The Department of Fire Rescue is requesting the replacement of the 1988 Air & Light vehicle (Unit 828) utilized for response by Fire Rescue suppression personnel. The vehicle is out of service due to the compressor and generator being inoperable. Replacement parts for the vehicle's compressor and generator are not available due to the age of the vehicle (29 years).

The Air & Light Vehicle is utilized in various capacities, including:

- Responding to emergency incidents and providing an air-filling station at the scene for firefighters to refill the Department's self-contained breathing apparatus (SCBA) air bottles.
- Provide emergency lighting at the scene of an emergency incident including vehicle accidents, structure fire overhauls, hazardous material incidents, confined space rescues, building collapses, etc.
- The new vehicle will provide rehabilitation equipment to be used on the scene of an emergency for firefighters to rehab during extended emergency operations. The vehicle may also be used at non-emergency City events to provide lighting, electricity and rehabilitation supplies to City personnel.



Fire Rescue's current Air & Light vehicle is housed at Station Two (8634 Dice Road). The vehicle is not assigned fire personnel on a daily basis and is automatically dispatched to an emergency incident for all second alarm or greater incidents or by request. The vehicle provides the ability to fill SCBA air bottles at the scene of an emergency which allows for consistent uninterrupted operations by not having to shuttle bottles to Fire Rescue Headquarters to be filled. The current vehicle has responded to numerous incidents providing emergency air & light capabilities to Santa Fe Springs, Area E and the surrounding Los Angeles County communities. The current Air & Light held a significant presence during the Los Angeles Riots in April, 1992.

The Fire Chief is requesting the purchase of the Air & Light vehicle from Emergency Vehicle Group, Inc. (EVG) due to the Department already owning several other vehicles from EVG including the Urban Search and Rescue (USAR) response (Unit #860), the Hazardous Materials response (Unit #851), and the current Air & Light (Unit #828).

The purchase of the vehicle from EVG would assist the Department in maintaining a consistent fleet with other similar Fire Rescue vehicles therefore assisting with minimizing transition costs and challenges associated with personnel training, maintenance and operating costs.

Delivery of the vehicle shall be 390 days after signed offer and purchase agreement and approved work order and production drawings of the vehicle.

Below is the pricing/bids for the Vehicle and the two communications components:

<u>Air &amp; Light Vehicle #828</u>	<u>Amount</u>
Emergency Vehicle Group, Inc. (EVG)	\$ 503,902.00
Sales Tax (9.25%)	46,610.94*
Document fee	100.00
Tire fee	10.50
<b>Vehicle Total</b>	<b>\$ 550,623.44</b>

\*Reflects updated 9.25% rate effective on July 1, 2017.

The radio communication equipment bids below includes all mobile and portable radios, microphones, antennas, and peripheral installation equipment.

<u>Radio Communication Equipment (Vendor and Bid Amount)</u>	
<b>Motorola Solutions</b>	<b>\$ 27,995.30</b>
Commline Inc.	35,929.98
Electronic Times	35,929.98

Report Submitted By: Fire Chief Michael Crook  
Department of Fire Rescue

Date of Report: July 3, 2017

## *City Council Meeting*

The mobile data computer bids below include the computer mounted inside the vehicle that is used as an information database and communication between dispatch and other emergency response vehicles.

<u>Mobile Data Computer (MDC) - Vendor and Bid amount</u>	
<b>Commline Inc</b>	<b>\$ 4,791.87</b>
Electronic Times	5,334.86
Ota Communications, LLC	5,617.18

Additional support equipment would be purchased after the delivery of the vehicle. This equipment would include rehab supplies including water, electrolyte replacement fluids, basic first aid equipment, canopies, tables, chairs, portable extension cords, and portable lighting. All amounts listed below are estimates and all equipment purchases will be concurrent with the City of Santa Fe Springs Purchasing Policy.

<u>Additional Support Equipment</u>	
Rehab Supplies	\$ 3,000
Basic First Aid Equipment	1,000
Canopies/Awnings	2,000
Tables	1,000
Chairs	1,000
Portable Extension Cords	1,000
Portable Lighting	4,000
Misc. Equipment	2,500
<b>TOTAL</b>	<b>\$ 15,500</b>

The total cost of the Air & Light Vehicle, including all communication equipment, is \$583,410.61. Additional support equipment not to exceed \$15,500.00 would be purchased following the City of Santa Fe Springs Purchasing Policy. Total vehicle cost including communication equipment and peripheral vehicle support equipment would not exceed \$598,910.61. Delivery of the new vehicle will be approximately one-year from the date of order.

It is estimated that the remaining value of the current air & light unit is \$5,000. Therefore, it is recommended that the vehicle be donated or sold through a brokerage company that specializes in previously-owned fire apparatus. If sold, the proceeds of the sale will be deposited into the vehicle acquisition and replacement activity where vehicle purchases are budgeted. Current equipment carried on the existing unit will be evaluated and transferred to the new vehicle if applicable.

### Financing


Proposals were sought and received for a lease-financing arrangement in the amount of \$599,000. The proposal from Community Leasing Partners (Partners) was deemed to be the most favorable for the City. With a term of seven years and an interest rate of 2.78%, it calls for annual payments in the amount of \$92,779.19 commencing at the time of lease origination. Community Leasing Partners charge no origination fees, issuance fees or documentation fees for the lease. Although Government Capital charges a slightly lower interest rate (2.45%), it assess a one-time \$5,990 issuance fee that makes the annual payment higher than Partners'. Below is a listing of all the lease-financing proposals received:

Name	Annual Payment (7-Yr Term)	Interest Rate	Additional Costs
Community Leasing Partners	\$92,779.19	2.78%	None
Government Capital	92,827.64	2.45%	\$5,990 issuance fee
Community Bank *	98,846.00	Not provided	\$300 documentation fee
Bank of the West	102,060.76	4.61%	\$500 origination fee

\*Quote based on \$599,363.68 financing amount used by bank (instead of \$599,000). The difference does not impact the overall results.

### FISCAL IMPACT

This purchase was included in the FY 2016-17 & FY 2017-18 Two-Year Budget adopted by the City Council in June 2016. It includes \$600,000 to be financed over multiple years, with \$100,000 included in the FY 2017-18 for the first year's debt service payment.

  
Thaddeus McCormack  
City Manager

### Attachment(s)

Emergency Vehicle Group, Inc. (EVG) Offer & Purchase Agreement  
Santa Fe Springs Air & Light Unit #828 Vehicle Specification  
Motorola Solutions communication equipment bid  
Commline, Inc. MDC bid  
Lease Financing Proposal – Community Leasing Partners  
Photo of proposed vehicle



July 3, 2017

Fire Chief Mike Crook  
City of Santa Fe Springs  
11300 Greenstone Ave  
Santa Fe Springs, California 90670

RE: Offer to Provide One (1) SVI Trucks Air/Light Vehicle(s) on 2017 Freightliner M2-106, 4 x 2, Diesel Powered Two Door Standard Cab Chassis

Attention: Fire Chief Mike Crook

On behalf of Emergency Vehicle Group, Inc., I would like to thank you for the opportunity to provide you with the following offer for the City of Santa Fe Springs to purchase One (1) SVI Trucks Air/Light Vehicle(s) on 2017 Freightliner M2-106, 4 x 2, Diesel Powered Two Door Standard Cab Chassis

Emergency Vehicle Group, Inc. (EVG) is proud to be in the business of serving those who bravely serve our communities and help ensure the safety of our families and friends. Our pledge is to offer you the same quality of service and expertise that is demanded from you. Over the years we have introduced fire departments, municipalities and private companies to the absolute best in service, sales and support for emergency vehicle products.

We proudly serve California, Arizona and Nevada and offer you premium custom products along with the best value available in the industry. EVG accomplishes this by representing Spartan ERV Apparatus, SVI Trucks, Wheeled Coach Ambulance, Road Rescue Ambulances, Lifeline Ambulances and McCoy Miller Ambulances as well as ambulance remounts and command vehicles built by EVG.

EVG employs EVT and ASE Certified Mechanics with decades of experience in servicing emergency vehicles, fire apparatus and ambulances. EVG recognizes the importance of these vehicles as a life saving device and take great pride in serving those that bravely serve and protect us. Our corporate office, remount and main service facility is located in Anaheim, CA.

Our mission is to develop long-term relationships and provide our customers with "honest, intelligent effort" in everything we do for you. We are committed to do whatever it takes to surpass customers' expectations by continually improving upon what we do.

All of us at Emergency Vehicle Group, Inc. believe in long-term relationships and we look forward to the opportunity of working with you and the City of Santa Fe Springs. I would again like to thank you for the opportunity. Each of us at EVG offer you our sincere pledge of "Honest, Intelligent Effort" in everything we do for you now, and in the future.

Sincerely,

A handwritten signature in blue ink, appearing to read "T. Grinstead", is written over the printed name.

Travis Grinstead  
President & CEO

2883 E. Coronado St. Anaheim, CA 92806  
Tel: 714-238-0110 Fax: 714-238-0120

[www.evgroup.net](http://www.evgroup.net)



## The Following is an Offer and Purchase Agreement for:

### City of Santa Fe Springs To Purchase

One (1) SVI Trucks Air/Light Vehicle(s) on 2017 Freightliner M2-106, 4 x 2, Diesel Powered Two Door Standard Cab(s)

July 3, 2017

Description	Qty	Price Each	Extended Price
One (1) SVI Trucks Air/Light Vehicle(s) on 2017 Freightliner M2-106, 4 x 2, Diesel Powered Two Door Standard Cab Chassis Chassis VIN Number(s): To Be Determined After Production Start	1	\$503,902.00	\$503,902.00
Tax (Based on Rate of 9.25%)	1	\$46,610.94	\$46,610.94
Tire Fee	1	\$10.50	\$10.50
Document Fee	1	\$100.00	\$100.00
<b>Total Purchase Price</b>	<b>1</b>	<b>\$550,623.44</b>	<b>\$550,623.44</b>

This constitutes a contract for the purchase and sale of One (1) SVI Trucks Air/Light Vehicle(s) on 2017 Freightliner M2-106, 4 x 2, Diesel Powered Two Door Standard Cab chassis between Emergency Vehicle Group, Inc. (Seller) and the City of Santa Fe Springs (Buyer) in the total amount of:

**Five Hundred Fifty Thousand Six Hundred Twenty Three Dollars and Forty Three Cents**  
**\$550,623.44**

Offer based on work order/specification reference number 150227SV and any associated drawing(s) as provided. A final approval work order/specification and drawing will be provided after all Pre-Construction changes are completed (if applicable). Pre-Construction changes may incur an additional cost.

Payment Terms: 100% payment of the contract is due at the time of delivery. Failure to pay the contract in full may result in interest accruing at an annual percentage rate of 6%. Proof of insurance and approved financing or payment will be required to execute this contract.

Delivery Time: Delivery shall be 390 days after signed offer and purchase agreement and approved work order and production drawings of the vehicle.

Signature below represents acceptance of above contract and terms:

City of Santa Fe Springs:

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

Title \_\_\_\_\_

Emergency Vehicle Group:

Signature T. Grinstead Date 7/3/2017

Printed Name Travis Grinstead

Title President & CEO





**SANTA FE SPRING FIRE DEPARTMENT  
AIR/LIGHT APPARATUS  
MANUFACTURERS SPECIFICATION**



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**LIABILITY INSURANCE**

The manufacturer shall furnish with the bid a certificate of insurance for;

Workman's Compensation and Employer's Liability Insurance covering for all employees.

General Liability (each occurrence) of \$1,000,000.00. General Aggregate coverage of \$2,000,000.00. Products Completed / Operations Aggregate coverage of \$2,000,000.00. Medical Expense coverage of \$5,000 (any one person). Personal Injury of \$1,000,000.00.

Automobile liability of \$1,000,000.00 combined single limit (each accident), including any auto, all owned autos, scheduled autos, hired autos, non-owned autos, and garage liability.

Excess Umbrella Liability coverage of \$4,000,000.00 each occurrence, Aggregate of \$4,000,000.00.  
Garage Keepers Liability coverage of \$4,000,000.00 combined limit.

All insurance policies must be;

- Maintained for the life of the contract,
- Must provide ten (10) days' notice before cancellation,
- Must cover all operations of the contractor, or anyone employed by them.

**INTERNET IN-PROCESS SITE**

The manufacturer shall post and maintain a website where the Santa Fe Springs Fire Department will be able to view digital images of their apparatus as its being built. The digital images shall be posted once a week starting when the body begins production or when the cab/chassis arrives and shall continue until the final completion of unit.

**RESPONSIBILITY OF PURCHASER**

It shall be the responsibility of the purchaser to specify the details of the apparatus in addition to the requirements in NFPA 1901 needed by the manufacturer to build the apparatus, including:

- Requirements not uniquely specified in NFPA 1901, such as the type of apparatus desired.
- Any features of the apparatus desired in addition to, or in excess of, the requirements in NFPA 1901.

After acceptance of the fire apparatus, the purchaser shall be responsible for ongoing training of personnel to develop and maintain proficiency regarding the proper and safe use of the apparatus and the associated equipment.



SANTA FE SPRING FIRE DEPARTMENT  
AIR/LIGHT APPARATUS  
MANUFACTURERS SPECIFICATION



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## **PERSONNEL PROTECTION**

Guards, shields, or other protection shall be provided where necessary in order to prevent injury of personnel by hot, moving, or rotating parts during non-maintenance operations.

Electrical insulation or isolation shall be provided where necessary in order to prevent electrical shock from onboard electrical systems.

Vehicular workmanship shall ensure an operating environment free of accessible sharp projections and edges.

Safety signs with text shall conform to the general principles of ANSI/NEMA Z535.4, *Product Safety Signs and Labels*. Safety signs without text shall conform to the general principles for two-panel safety signs of ISO 9244, *Earth-moving machinery — Machine safety labels — General principles*.

Apparatus built for sale in the United States shall employ safety signage that complies with ANSI/NEMA Z535.4.

Apparatus built for sale outside the United States shall employ safety signage that complies with either ANSI/NEMA Z535.4 or ISO 9244.

Safety signs referenced in this standard beginning with the letters FAMA shall conform to the text and graphics of the referenced safety sign number found in FAMA TC010, *Standard Product Safety Sign Catalog for Automotive Fire Apparatus*.

## **CONTROLS AND INSTRUCTIONS**

Illumination shall be provided for controls, switches, instruction plates, labels, gauges, and instruments necessary for the operation of the apparatus and the equipment provided on it.

If external illumination is provided, it shall be a minimum of 5 fc (50 lx) on the face of the device.

If internal illumination is provided, it shall be a minimum of 4 foot lamberts (14 cd/m<sup>2</sup>).

All required signs, instruction plates and labels shall be permanent in nature and securely attached and shall meet the requirements of NFPA and UL 969, *Standard for Marking and Labeling Systems*.

The signs, instruction plates, and labels shall have resistance to damage from temperatures between -30°F and 176°F (-35°C and 80°C) and exposure to oil, fuel, water, hydraulic fluids or other fluids used on the apparatus.

The exterior mounted labels relating to safety or critical operational instructions shall be reflective or illuminated as required by NFPA.

The centerline of any gauge or visual display required by this standard shall be no more than 84 in. (2130 mm) above the level where the operator stands to read the instrument.

The central midpoint or centerline of any control shall be no more than 72 in. (1830 mm) vertically above the ground or platform that is designed to serve as the operator's standing position.





SANTA FE SPRING FIRE DEPARTMENT  
AIR/LIGHT APPARATUS  
MANUFACTURERS SPECIFICATION



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### **COMPONENT PROTECTION**

Hydraulic hose lines, air system tubing, control cords and electrical harnesses shall be mechanically attached to the frame or body structure of the apparatus with protective looms, grommets or other devices at each point where they pass through body panels or structural members or wherever they lie against a sharp metal edge.

A through-the-frame connector shall be permitted to be used in place of protective looms or grommets.

### **VEHICLE STABILITY SUPPLIED WITH CAB/CHASSIS**

The cab/chassis shall be equipped with a stability control system. The system shall have, at a minimum, a steering wheel position sensor, a vehicle yaw sensor, a lateral accelerometer and individual wheel brake controls.

### **FIRE APPARATUS PERFORMANCE**

The fire apparatus shall meet the requirements of this standard at elevations of 2000 ft (600 m) above sea level.

The fire apparatus shall meet all the requirements of this standard while stationary on a grade of 6 percent in any direction.

The fire apparatus shall meet the requirements of this standard in ambient temperature conditions between 32°F (0°C) and 110°F (43°C).

### **HIGHWAY PERFORMANCE**

The apparatus, when loaded to its estimated in-service weight, shall be capable of the following performance while on dry, paved roads that are in good condition:

- Accelerating from 0 to 35 mph (55 km/hr) within 25 seconds on a 0 percent grade
- Attaining a speed of 50 mph (80 km/hr) on a 0 percent grade
- Maintaining a speed of at least 20 mph (32 km/hr) on any grade up to and including 6 percent

The maximum top speed of fire apparatus with a GVWR over 26,000 lb (11,800 kg) shall not exceed either 68 mph (109 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

If the combined water tank and foam agent tank capacities on the fire apparatus exceed 1250 gal (4732 L), or the GVWR of the vehicle is over 50,000 lb (22,680 kg), the maximum top speed of the apparatus shall not exceed either 60 mph (95 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.





SANTA FE SPRING FIRE DEPARTMENT  
AIR/LIGHT APPARATUS  
MANUFACTURERS SPECIFICATION



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### **SERVICEABILITY**

The fire apparatus shall be designed to allow the manufacturer's recommended routine maintenance checks of lubricant and fluid levels to be performed by the operator without lifting the cab of a tilt-cab apparatus or without the need for hand tools.

Where special tools are required for routine service on any component of the apparatus, such tools shall be provided with the apparatus.

Apparatus components that interfere with repair or removal of other major components shall be attached with fasteners, such as cap screws and nuts, so that the components can be removed and installed with ordinary hand tools. These components shall not be welded or otherwise permanently secured into place.

### **FIRE APPARATUS DOCUMENTATION**

The contractor shall supply, at the time of delivery, at least one (1) copy of the following documents:

- 1) The manufacturers record of apparatus construction details, including the following documents:
  - a) Owner's name and address
  - b) Apparatus manufacturer, model, and serial number
  - c) Chassis make, model, and serial number
  - d) GAWR of front and rear axles and GVWR
  - e) Front tire size and total rated capacity in pounds (kilograms)
  - f) Rear tire size and total rated capacity in pounds (kilograms)
  - g) Chassis weight distribution in pounds (kilograms) with water and manufacturer-mounted equipment (front and rear)
  - h) Engine make, model, serial number, rated horsepower and related speed, and governed speed; and if so equipped, engine transmission PTO(s) make, model, and gear ratio
  - i) Type of fuel and fuel tank capacity
  - j) Electrical system voltage and alternator output in amps
  - k) Battery make, model, and capacity in cold cranking amps (CCA)
  - l) Chassis transmission make, model, and serial number; and if so equipped, chassis transmission PTO(s) make, model, and gear ratio
  - m) Ratios of all driving axles
  - n) Maximum governed road speed
  - o) Pump make, model, rated capacity in gallons per minute (liters per minute where applicable), maximum discharge pressure capability rating, and serial number
  - p) Pump transmission make, model, serial number, and gear ratio
  - q) Auxiliary pump make, model, rated capacity in gallons per minute (liters per minute where applicable), and serial number
  - r) Water tank certified capacity in gallons or liters
  - s) Foam tank (if provided) certified capacity in gallons (liters)
  - t) Aerial device type, rated vertical height in feet (meters), rated horizontal reach in feet (meters), and rated capacity in pounds (kilograms)
  - u) Paint manufacturer and paint number(s)
  - v) Company name and signature of responsible company representative



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w) Weight documents from a certified scale showing actual loading on the front axle, rear axle(s), and overall fire apparatus (with the water tank full but without personnel, equipment, and hose)

- 2) Certification of compliance of the optical warning system (*see 13.8.16*)
- 3) Siren manufacturer's certification of the siren (*see 13.9.1.1*)
- 4) Written load analysis and results of the electrical system performance tests (*see 13.14.1 and Section 13.15*)
- 5) Certification of slip resistance of all stepping, standing, and walking surfaces (*see 15.7.4.5*)
- 6) If the apparatus has a fire pump, the pump manufacturer's certification of suction capability (*see 16.2.4.1*)
- 7) If the apparatus is equipped with a fire pump and special conditions are specified by the purchaser, the pump manufacturer's certification of suction capacity under the special conditions (*see 16.2.4.2*)
- 8) If the apparatus has a fire pump, a copy of the apparatus manufacturer's approval for stationary pumping applications (*see 16.3.1*)
- 9) If the apparatus has a fire pump, the engine manufacturer's certified brake horsepower curve for the engine furnished, showing the maximum governed speed (*see 16.3.2.2*)
- 10) If the apparatus has a fire pump, the pump manufacturer's certification of the hydrostatic test (*see 16.5.2.2*)
- 11) If the apparatus has a fire pump with a maximum discharge pressure capability rating that exceeds the hydrostatic test pressure of 16.5.2.1, the pump manufacturer's certification of the hydrodynamic test
- 12) If the apparatus has a fire pump, the certification of inspection and test for the fire pump (*see 16.13.1.1.5 or 16.13.1.2.4 as applicable*)
- 13) If the apparatus is equipped with an auxiliary pump, the apparatus manufacturer's certification of the hydrostatic test (*see Section 17.13*)
- 14) When the apparatus is equipped with a water tank, the certification of water tank capacity (*see Section 18.6*)
- 15) If the apparatus has an aerial device, the certification of inspection and test for the aerial device (*see Section 19.24*)
- 16) If the apparatus has an aerial device, all the technical information required for inspections to comply with NFPA 1911
- 17) If the apparatus has a foam proportioning system, the foam proportioning system manufacturer's certification of accuracy (*see 20.10.4.2*) and the final installer's certification the foam proportioning system meets this standard (*see 20.11.2*)
- 18) If the system has a CAFS, the documentation of the manufacturer's pre delivery tests (*see Section 21.9*)
- 19) If the apparatus has a line voltage power source, the certification of the test for the power source (*see 22.15.7.2*)
- 20) If the apparatus is equipped with an air system, air tank certificates (*see 24.5.1.2*), the SCBA fill station certification (*see 24.9.6*), and the results of the testing of the air system installation (*see 24.14.5 and 24.15.4*)
- 21) Any other required manufacturer test data or reports





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### OPERATIONS AND SERVICE DOCUMENTATION

The contractor shall deliver with the fire apparatus complete operation and service documentation covering the completed apparatus as delivered and accepted.

The documentation shall address at least the inspection, service, and operations of the fire apparatus and all major components thereof.

The contractor shall also deliver with the fire apparatus the following documentation for the entire apparatus and each major operating system or major component of the apparatus:

- 1) Manufacturer's name and address
- 2) Country of manufacture
- 3) Source for service and technical information
- 4) Parts replacement information
- 5) Descriptions, specifications, and ratings of the chassis, pump (if applicable), and aerial device (if applicable)
- 6) Wiring diagrams for low voltage and line voltage systems to include the following information:
  - a) Pictorial representations of circuit logic for all electrical components and wiring
  - b) Circuit identification
  - c) Connector pin identification
  - d) Zone location of electrical components
  - e) Safety interlocks
  - f) Alternator-battery power distribution circuits
  - g) Input/output assignment sheets or equivalent circuit logic implemented in multiplexing systems
- 7) Lubrication charts
- 8) Operating instructions for the chassis, any major components such as a pump or aerial device, and any auxiliary systems
- 9) Precautions related to multiple configurations of aerial devices, if applicable
- 10) Instructions regarding the frequency and procedure for recommended maintenance
- 11) Overall apparatus operating instructions
- 12) Safety considerations
- 13) Limitations of use
- 14) Inspection procedures
- 15) Recommended service procedures
- 16) Troubleshooting guide
- 17) Apparatus body, chassis and other component manufacturer's warranties
- 18) Special data required by this standard
- 19) A material safety data sheet (MSDS) for any fluid that is specified for use on the apparatus
- 20) One copy of the latest edition of FAMA's *Fire Apparatus Safety Guide*

The contractor shall deliver with the apparatus all manufacturer's operations and service documents supplied with components and equipment that are installed or supplied by the contractor.



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**NFPA REQUIRED DOCUMENTATION FORMAT - USB FLASH DRIVE**

The vehicle construction details and the operations and service documentation as required per NFPA 1901 latest edition shall be provided on a USB Flash Drive. These manuals shall be divided into sections for ease of reference. There shall be two (2) USB flash drives provided with the completed vehicle.

**FIRE APPARATUS SAFETY GUIDE**

A Fire Apparatus Safety Guide published by Fire Apparatus manufacturer's Association shall be provided with delivered vehicle. This manual includes essential safety information for fire fighters, fire chiefs, apparatus mechanics, and fire department safety officers. The guide is applicable to municipal, wildland, and airport fire fighting apparatus manufactured on either custom or commercial chassis.

**STATEMENT OF EXCEPTIONS**

The final-stage manufacturer shall deliver with the fire apparatus either a certification that the apparatus fully complies with all requirements of this standard or alternatively, a Statement of Exceptions specifically describing each aspect of the completed apparatus that is not fully compliant with the requirements of this standard at the time of delivery.

The Statement of Exceptions shall contain, for each noncompliant aspect of the apparatus or missing required item, the following information:

- 1) A separate specification of the section of the applicable standard for which compliance is lacking
- 2) A description of the particular aspect of the apparatus that is not in compliance therewith or required equipment that is missing
- 3) A description of the further changes or modifications to the delivered apparatus that must be completed to achieve full compliance
- 4) Identification of the entity that will be responsible for making the necessary post delivery changes or modifications or for supplying and installing any missing required equipment to the apparatus to achieve full compliance with this standard

Prior to or at the time of delivery of the apparatus, the Statement of Exceptions shall be signed by an authorized agent of the entity responsible for final assembly of the apparatus and by an authorized agent of the purchasing entity, indicating mutual understanding and agreement between the parties regarding the substance thereof.





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### CARRYING CAPACITY

The GAWR and the GCWR or GVWR of the chassis shall be adequate to carry the weight of the completed vehicle when loaded to its estimated in-service weight. The manufacturer shall establish the estimated in service weight during the design of the vehicle.

The estimated in-service weight shall include the following:

1. The chassis, body and tank(s)
2. Full fuel, lubricant, and other chassis or component fluid tanks or reservoirs
3. Full water and other agent tanks
4. \*250 lb (114 kg) in each seating position
5. Fixed equipment such as pumps, aerial devices, generators, reels and air systems as installed
6. Ground ladders, suction hose, designed hose load in their hose beds and on their reels
7. An allowance for miscellaneous equipment that is the greatest of the following:
  - a) The values shown for items 1 - 7
  - b) A purchaser-provided list of equipment to be carried with weights
  - c) A purchaser-specified miscellaneous equipment allowance

The manufacturer shall engineer and design the fire apparatus such that the completed apparatus, when loaded to its estimated in-service weight, with all movable weights distributed as close as is practical to their intended in-service configuration, does not exceed the GVWR.

A final manufacturer's certification of the GVWR or GCWR, along with a certification of each GAWR, shall be supplied on a label affixed to the vehicle.

The fire apparatus manufacturer shall permanently affix a high-visibility label in a location visible to the driver while seated.

The label shall show the height of the completed unequipped fire apparatus in feet and inches (meters), the length of the completed fire apparatus in feet and inches (meters), and the GVWR in tons (metric tons).

Wording on the label shall indicate that the information shown was current when the apparatus was manufactured and that, if the overall height changes while the vehicle is in service, the fire department must revise that dimension on the plate.



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		Equipment Allowance		
Apparatus Type	Equip. Storage Area	Apparatus Size	lb.	kg.
Special Service Fire Apparatus	Minimum of 120 cu ft (3.4 cu mt) of enclosed compartmentation.	10,000 lb to 15,000 lb (4,500 kg to 7,000 kg) GVWR	2,000	910
		15,001 lb to 20,000 lb (7,001 kg to 9,000 kg) GVWR	2,500	1,135
		20,001 lb to 30,000 lb (9,001 kg to 14,000 kg) GVWR	3,000	1,350
		30,001 lb to 40,000 lb (14,001 kg to 18,000 kg) GVWR	4,000	1,800
		40,001 lb to 50,000 lb (18,001 kg to 23,000 kg) GVWR	6,000	2,700
		50,001 lb to 60,000 lb (23,001 kg to 27,000 kg) GVWR	8,000	3,600
		60,001 lb and up (27,001 kg) GVWR	10,000	4,500



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## **TESTING**

### **ROAD TEST**

Road test shall be conducted in accordance with this section to verify that the completed apparatus is capable of compliance with Roadability Section.

The tests shall be conducted at a location and in a manner that does not violate local, state or provincial or federal traffic laws.

The tests shall be conducted on dry, level, paved roads that are in good condition. The apparatus shall be loaded to its estimated in service weight.

The engine shall not operate in excess of the maximum governed speed. Acceleration tests shall consist of two runs in opposite directions over the same route. The fire apparatus shall attain a speed of 35 mph (55 km/hr) from a standing start within 25 seconds. The fire apparatus shall attain a minimum top speed of 50 mph (80 km/hr).

If the apparatus is equipped with an auxiliary braking system, the Body Manufacturer shall road test the system to confirm that the system is functioning as intended by the auxiliary braking system manufacturer.

If the apparatus is equipped with an air brake system, the service brakes shall bring the apparatus, when loaded to its GVWR, to a complete stop from an initial speed of 20 mph (32.2 km/hr) in a distance not exceeding 35 ft (10.7 m) by actual measurement on a paved, level, dry surface road that is free of loose material, oil or grease.

If the apparatus is equipped with a hydraulic brake system, the service brakes shall bring the apparatus, when loaded to its GVWR, to a complete stop from an initial speed of 30 mph (48.2 km/hr) in a distance not exceeding 88 ft (26.8 m) by actual measurement on a paved, level, dry surface road that is free of loose material, oil or grease.

### **LOW VOLTAGE - ELECTRICAL SYSTEM PERFORMANCE TEST**

The vehicles low voltage electrical system shall be tested and certified by the manufacturer. The certified test results shall be delivered with the completed vehicle. Tests shall be performed when the air temperature is between 0°F and 110°F (-18°C and 43°C).

### **TEST SEQUENCE**

The following three (3) tests shall be performed in the order in which they appear below. Before each test, the batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for ten (10) minutes. Failure of any of these tests shall require a repeat of the sequence.





## **1. RESERVE CAPACITY TEST**

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for ten (10) minutes.

All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a test failure of the battery system.

## **2. ALTERNATOR PERFORMANCE TEST**

### **TEST AT IDLE**

The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

### **TEST AT FULL LOAD**

The total continuous electrical load shall be activated with the engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two (2) hours. Activation of the load management system shall be permitted during this test.

An alarm sounded by excessive battery discharge, as detected by the warning system required in 13.3.4, or a system voltage of less than 11.8 V dc for a 12 V nominal system, 23.6 V dc for a 24 V nominal system, or 35.4 V dc for a 42 V nominal system for more than 120 seconds shall be considered a test failure.

## **3. LOW VOLTAGE ALARM TEST**

The following test shall be started with the engine off and the battery voltage at or above 12 V for a 12 V nominal system, 24 V for a 24 V nominal system or 36 V for a 42 V nominal system.

With the engine shut off, the total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm activates. The battery voltage shall be measured at the battery terminals.

The test shall be considered a failure if the alarm does not sound in less than 140 seconds after the voltage drops to 11.70 V for a 12 V nominal system, 23.4 V dc for a 24 V nominal system, or 35.1 V for a 42 V nominal system.

The battery system shall then be able to restart the engine. Failure to restart the engine shall be considered a test failure.





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**LOW VOLTAGE - ELECTRICAL SYSTEM PERFORMANCE TEST**

**DOCUMENTATION**

The manufacturer shall deliver the following with the fire apparatus:

- 1) Documentation of the electrical system performance tests
- 2) A written electrical load analysis, including the following:
  - a) The nameplate rating of the alternator
  - b) The alternator rating
  - c) Each of the component loads specified that make up the minimum continuous electrical load
  - d) Additional electrical loads that, when added to the minimum continuous electrical load, determine the total continuous electrical load
  - e) Each individual intermittent electrical load

**UL 120/240 VAC CERTIFICATION**

The 120/240-volt electrical system shall be third-party, independent, audit-certified through Underwriters Laboratory (UL) to the current edition of NFPA 1901 to perform as listed below;

The prime mover shall be started from a cold start condition, and the unloaded voltage and frequency shall be recorded.

The line voltage electrical system shall be loaded to at least 100% of the continuous rated wattage stated on the power source specification label. Testing with a resistive load bank shall be permitted.

The power source shall be operated in the manner specified by the apparatus manufacturer as documented on instruction plates or in operation manuals. The power source shall be operated at a minimum of 100% of the continuous rated wattage as stated on the power source specification label for a minimum of two (2) hours.

The load shall be adjusted to maintain the output wattage at or above the continuous rated wattage during the entire 2-hour test.

The following conditions shall be recorded at least every 1/2 hour during the test:

- a) The power source output voltage, frequency and amperes
- b) The prime mover's oil pressure, water temperature and transmission temperature, if applicable
- c) The power source hydraulic fluid temperature, if applicable
- d) The ambient temperature and power source air inlet temperature



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The following conditions shall be recorded once during the test for power sources driven by dedicated auxiliary internal combustion engines:

- Altitude
- Barometric pressure
- Relative humidity

If the generator is driven by the chassis engine and the generator allows for operation at variable speeds, the chassis engine speed shall be reduced to the lowest rpm allowed for generator operation and the voltage and frequency shall be recorded.

The load shall be removed and the unloaded voltage and frequency shall be recorded.

Voltage shall be maintained within  $\pm 10\%$  of the voltage stated on the power source specification label during the entire test. Frequency shall be maintained within  $\pm 3$  Hz of the frequency stated on the power source specification label during the entire test.

The total continuous electrical loads, excluding those loads associated with the equipment defined in NFPA 22.15.7.3.11.2, shall be applied during the testing unless an auxiliary engine drives the power source.

If the apparatus is equipped with a fire pump, the 2-hour certification test of the power source shall be completed with the fire pump pumping at 100% capacity at 150 psi (1000 kPa) net pump pressure. The test shall be permitted to be run concurrently with the pump certification test.

### **DOCUMENTATION**

The Body Manufacturer shall deliver the following with the fire apparatus:

The results of each test shall be recorded on an appropriate form and provided with the delivery of the fire apparatus.



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### **DIELECTRIC VOLTAGE WITHSTAND TEST**

The line voltage wiring and permanently connected devices and equipment shall be subjected to a dielectric voltage withstand test of 900 volts for one (1) minute. The testing shall be performed after all body work has been completed.

The test shall be conducted as follows:

- Isolate the power source from the panel board and disconnect any solid state low voltage components
- Connect one lead of the dielectric tester to all the hot and neutral buses tied together
- Connect the other lead to the fire apparatus frame or body
- Close any switches and circuit breakers in the circuit(s)
- Apply the dielectric voltage for one (1) minute in accordance with the testing equipment manufacturer's instructions

The electrical polarity of all permanently wired equipment, cord reels and receptacles shall be tested to verify that wiring connections have been properly made.

Electrical continuity shall be verified from the chassis or body to all line voltage electrical enclosures, light housings, motor housings, light poles, switch boxes and receptacle ground connections that are accessible to fire fighters in normal operations.

If the apparatus is equipped with a transfer switch, it shall be tested to verify operation and that all non grounded conductors are switched.

Electrical light towers, floodlights, motors, fixed appliances and portable generators shall be operated at their full rating or capacity for 30 minutes to ensure proper operation.

### **RAIN TEST**

A rain test shall be conducted on the completed apparatus prior to the final inspection to check for water intrusion into the body and cab resulting from the production process.

### **WARRANTY**

A full statement shall be provided of the warranties for the vehicle(s) being bid. Warranties should clearly describe the terms under which the vehicle manufacturer accepts responsibility for the cost to repair defects caused by faulty design, quality of work or material and for the applicable period of time after delivery.

Cost of repairs refers to all costs related thereto including, but not limited to, the cost of materials and the cost of labor.

The Body Manufacturer shall warrant all materials and accessories used on the vehicle(s), whether fabricated by manufacturer or purchased from an outside source and will deal directly with the Santa Fe Springs Fire Department on all warranty work.





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**GENERAL LIMITED WARRANTY - TWO (2) YEARS**

The vehicle shall be free of defects in material and workmanship for a period of two (2) years or 36,000 miles (or 57,936 kilometers), whichever occurs first starting ninety (90) days after the original invoice date.

The Contractor must be the "single source" coordinator of all warranties on the vehicle.

**LOW VOLTAGE ELECTRICAL WARRANTY - FIVE (5) YEARS**

The vehicle low voltage electrical system shall be free of defects in material and workmanship for a period of five (5) years or 60,000 miles (or 96,561 kilometers), whichever occurs first, starting ninety (90) days after the original invoice date.

**STRUCTURAL WARRANTY - TEN (10) YEARS**

The body shall be free of structural or design failure or workmanship for a period of ten (10) years, or 100,000 miles (or 160,934 kilometers), whichever occurs first, starting ninety (90) days after the original invoice date.

**UNDERCOAT WARRANTY**

The body undercoating shall have a warranty provided by the manufacturer for the lifetime of the vehicle or twenty (20) years, whichever occurs first. The warranty shall be transferable between vehicle owners. Should the undercoating material applied to the underside of the body and wheel wells of the vehicle ever flake off, peel, chip or crack due to drying out, the damaged area shall be re-sprayed without charge to the vehicle owner.

**PAINT LIMITED WARRANTY - TEN (10) YEARS**

The body shall be free of bubbling or peeling as a result of a defect in the method of manufacture for a period of ten (10) years or 100,000 miles (or 160,934 kilometers), whichever occurs first, starting ninety (90) days after the original invoice date. **Pro-rated warranties will not be acceptable.**

**GRAPHICS LIMITED WARRANTY**

The 3M graphics installation shall be warranted for a period of two (2) years. The 3M materials installed on completed vehicle shall be warranted for seven (7) years. The 3M Diamond grade film (if specified) shall be warranted for ten (10) years.

**CONSTRUCTION PERIOD**

The completed vehicle shall be delivered within three hundred ninety (390) days after receipt of a purchase order or contract.

Contractor shall not be held liable for delays of chassis delivery due to accidents, strikes, floods or other events not subject to their control. Contractor shall provide immediate written notice to Santa Fe Springs Fire Department as to delays and to what extent these delays have in completing vehicle within the stated construction time period.



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**OVERALL HEIGHT REQUIREMENT**

There is no overall height (OAH) restriction for this vehicle.

**OVERALL LENGTH**

The overall length (OAL) of the vehicle shall be approximately 348" (29' -00").

**OVERALL WIDTH**

The overall width (OAW) of the body at drip rails shall be 102" (8' - 6"), and body shall be 100" (8' - 4").

**ANGLE OF APPROACH**

The angle of approach for this vehicle shall be approximately (30) degrees when it is loaded to the estimated in-service weight as specified by the current edition of NFPA 1901.

**ANGLE OF DEPARTURE**

The angle of departure for this vehicle shall be approximately (10) degrees when it is loaded to the estimated in-service weight as specified by the current edition of NFPA 1901.

**PRE-PAINT CONFERENCE**

A pre-paint conference shall be required at the Contractor's factory for three (3) personnel from the Santa Fe Springs Fire Department to inspect the vehicle and construction details prior to the painting process.

The Contractor shall at his/her expense, provide transportation, lodging, rental car and meal expenses during the pre-paint conference. Any travel distance greater than 250 miles shall be by non-stop commercial air travel.

**FINAL INSPECTION CONFERENCE**

A final inspection conference shall be required at the Contractor's factory for three (3) personnel from the Santa Fe Springs Fire Department to inspect the vehicle and construction details prior to shipment of the completed vehicle. This inspection shall take place after any specified striping and lettering is installed.

The Contractor shall at his/her expense, provide transportation, lodging, rental car and meal expenses during the final inspection conference. Any travel distance greater than 250 miles shall be by non-stop commercial air travel.



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**DELIVERY AND DEMONSTRATION**

The Contractor shall be responsible for the delivery of the completed unit to the Santa Fe Springs Fire Department's location. On initial delivery of the apparatus, the Contractor shall supply a qualified representative to demonstrate the apparatus and provide initial instruction to representatives of the Santa Fe Springs Fire Department regarding the operation, care and maintenance of the apparatus and equipment supplied at Santa Fe Springs Fire Department location.

The Delivery Engineer shall set delivery and instruction schedule with the person appointed by Santa Fe Springs Fire Department.

After delivery of the apparatus, the Santa Fe Springs Fire Department shall be responsible for ongoing training of its personnel to proficiency regarding the proper and safe use of the apparatus and associated equipment.





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**CAB/CHASSIS**

**Vehicle Configuration**

M2 106 CONVENTIONAL CHASSIS  
2018 MODEL YEAR SPECIFIED  
SET BACK AXLE - TRUCK

**General Service**

RESCUE/EMERGENCY FIRE SERVICE  
FREIGHTLINER WARRANTY  
EXPECTED FRONT AXLE LOAD: 14000 lbs  
EXPECTED REAR DRIVE AXLE LOAD: 23000 lbs  
EXPECTED GROSS VEHICLE CAPACITY: 37000 lbs

**Engine**

CUM L9 350EV HP @ 2000 RPM, 2200 GOV RPM , 1000  
LB/FT @ 1400 RPM FIRE/EMERGENCY

**Engine Equipment**

2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17  
NFPA COMPLIANT EMBER SCREEN AND FIRE  
RETARDANT DONALDSON AIR CLEANER  
DR 12V 300 AMP 40-SI BRUSHLESS PAD ALTERNATOR  
WITH REMOTE BATTERY VOLTAGE SENSE  
(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT  
MAINTENANCE FREE 2250 CCA THREADED STUD  
BATTERIES WITH POSITIVE JUMP START POST  
BATTERY BOX FRAME MOUNTED  
WIRE GROUND RETURN FOR BATTERY CABLES WITH  
ADDITIONAL FRAME GROUND RETURN  
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED  
CONTROL SWITCH MOUNTED OUTBOARD DRIVER  
CUMMINS TURBOCHARGED 18.7 CFM AIR  
COMPRESSOR WITH INTERNAL SAFETY VALVE  
C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING  
DASH SWITCH  
RH MTD HORIZONTAL AFTERTREATMENT WITH RH  
MOUNTED BRIGHT VERTICAL CURVED TAILPIPE  
HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN  
DRIVE  
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH  
CUMMINS SPIN ON FUEL FILTER  
COMBINATION FULL FLOW/BYPASS OIL FILTER  
1100 SQUARE INCH ALUMINUM RADIATOR  
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE  
FREE) EXTENDED LIFE COOLANT  
GATES BLUE STRIPE COOLANT HOSES OR  
EQUIVALENT



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CONSTANT TENSION HOSE CLAMPS FOR COOLANT  
HOSES  
RADIATOR DRAIN VALVE  
ELECTRIC GRID AIR INTAKE WARMER  
DELCO 12V 38MT HD STARTER WITH INTEGRATED  
MAGNETIC SWITCH

**Transmission**

ALLISON 3000 EVS 6 SPD AUTOMATIC  
TRANSMISSION

**Transmission Equipment**

MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION  
DRAIN, AXLE(S) FILL AND DRAIN  
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH  
MOUNTED  
TRANSMISSION PROGNOSTICS - ENABLED  
WATER TO OIL TRANSMISSION COOLER  
TRANSMISSION OIL CHECK AND FILL WITH  
ELECTRONIC OIL LEVEL CHECK  
SYNTHETIC TRANSMISSION FLUID (TES-295  
COMPLIANT)

**Front Axle and Equipment**

DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP  
SINGLE FRONT AXLE  
BENDIX ADB22X-V AIR DISC FRONT BRAKES  
FIRE AND EMERGENCY SEVERE SERVICE, NON-  
ASBESTOS FRONT LINING  
TRW TAS-85 POWER STEERING  
2 QUART SEE THROUGH POWER STEERING  
RESERVOIR

**Front Suspension**

14,600# TAPERLEAF FRONT SUSPENSION  
MAINTENANCE FREE RUBBER BUSHINGS  
FRONT SHOCK ABSORBERS

**Rear Axle and Equipment**

RS-23-161 23,000 LB FIRE/EMERGENCY SERVICE  
SINGLE REAR AXLE  
IRON REAR AXLE CARRIER WITH STANDARD AXLE  
HOUSING  
MXL 17T MERITOR EXTENDED LUBE MAIN  
DRIVELINE WITH HALF ROUND YOKES  
BENDIX ADB22X-V AIR DISC REAR BRAKES  
FIRE AND EMERGENCY SEVERE SERVICE NON-  
ASBESTOS REAR BRAKE LINING  
AIR DISC LONGSTROKE 1-DRIVE AXLE SPRING  
PARKING CHAMBERS





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REAR AIR DISC BRAKE INTERNAL ADJUSTERS

**Rear Suspension**

AIRLINER 23,000# FIRE/EMERGENCY REAR AIR  
SUSPENSION  
DUAL AIR REAR SUSPENSION LEVELING VALVES  
TRANSVERSE CONTROL RODS  
REAR SHOCK ABSORBERS - ONE AXLE (AIR RIDE  
SUSPENSION)

**Brake System**

WABCO 4S/4M ABS WITH TRACTION CONTROL & ESC  
STANDARD AIR SYSTEM PRESSURE PROTECTION  
BW AD-9 BRAKE LINE AIR DRYER WITH HEATER  
CUSTOM STEEL AIR BRAKE RESERVOIRS  
BW DV-2 AUTO DRAIN VALVE WITH HEATER - WET  
TANK  
UPGRADED CHASSIS MULTIPLEXING UNIT

**Wheelbase & Frame**

11/32X3-1/2X10-15/16 INCH STEEL FRAME 120KSI  
(63 INCH) REAR FRAME OVERHANG

**Chassis Equipment**

THREE-PIECE 14 INCH CHROMED STEEL BUMPER  
WITH COLLAPSIBLE ENDS  
FRONT TOW HOOKS - FRAME MOUNTED  
GRADE 8 THREADED HEX HEADED FRAME  
FASTENERS

**Fuel Tanks**

50 GALLON POLISHED RECTANGULAR ALUMINUM  
FUEL TANK & STEPS  
6 GALLON DIESEL EXHAUST FLUID TANK  
ALLIANCE FUEL FILTER/WATER SEPARATOR  
EQUIFLO INBOARD FUEL SYSTEM

**Tires**

MICHELIN XZE 12R22.5 16 PLY RADIAL FRONT TIRES  
MICHELIN XDN2 12R22.5 16 PLY RADIAL REAR TIRES

**Hubs**

CONMET PRESET PLUS IRON FRONT HUBS  
CONMET PRESET PLUS IRON REAR HUBS

**Wheels**

22.5X8.25 10-HUB PILOT POLISHED ALUMINUM DISC  
FRONT WHEELS  
22.5X8.25 10-HUB PILOT POLISHED ALUMINUM DISC  
REAR WHEELS



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**Cab Exterior**

106 INCH BBC FLAT ROOF ALUMINUM  
CONVENTIONAL AIR RIDE CAB  
NFPA COMPLIANT EXTERIOR GRAB HANDLES  
HOOD MOUNTED CHROMED PLASTIC GRILLES  
CHROME HOOD MOUNTED AIR INTAKE GRILLE  
FIBERGLASS HOOD WITH FIREWALL INSULATION  
VALVE AND PLUMBING FOR CUSTOMER FURNISHED  
AIR HORNS, WITH ACTIVATION CONTROLS  
INCLUDED  
DUAL ELECTRIC HORNS  
HALOGEN COMPOSITE HEADLAMPS WITH BRIGHT  
BEZELS AND DAYTIME RUNNING LIGHTS  
LED AERODYNAMIC MARKER LIGHTS  
DUAL 102" WEST COAST BRIGHT FINISH HEATED  
MIRRORS WITH LH AND RH REMOTE  
LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS  
MOUNTED UNDER PRIMARY MIRRORS  
REAR WINDOW DELETE  
TINTED DOOR GLASS LH AND RH WITH TINTED NON-  
OPERATING WING WINDOWS  
RH/LH ELECTRIC PWRED WINDOWS & DOOR LOCKS  
TINTED WINDSHIELD  
8 LITER WINDSHIELD WASHER RESERVOIR, CAB  
MOUNTED, WITHOUT FLUID LEVEL INDICATOR



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**Cab Interior**

OPAL GRAY VINYL INTERIOR  
MOLDED PLASTIC DOOR PANELS WITH ALUMINUM  
KICKPLATES LOWER DOORS  
BLACK MATS WITH PREMIUM INSULATION  
GRAY INSTRUMENT PANELS  
IN DASH STORAGE BIN  
AM/FM/WB DASH MTD RADIO WITH CD PLAYER,  
BLUETOOTH AND MICROPHONE, USB, AUXILIARY  
INPUTS AND J1939  
(2) CUP HOLDERS LH AND RH DASH  
HEATER, DEFROSTER AND AIR CONDITIONER  
MAIN HVAC CONTROLS W/ RECIRCULATION SWITCH  
SOLID-STATE CIRCUIT PROTECTION AND FUSES  
12V NEGATIVE GROUND ELECTRICAL SYSTEM  
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY  
LH AND RH DOORS  
SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR  
SUSPENSION DRIVER SEAT NFPA COMPLIANT  
SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR  
SUSPENSION PASSENGER SEAT NFPA COMPLIANT  
DUAL DRIVER SEAT ARMRESTS AND INBOARD  
PASSENGER SEAT ARMREST  
LH AND RH INTEGRAL DOOR PANEL ARMRESTS  
GRAY VINYL SEAT COVERS WITH GRAY CORDURA  
CLOTH BOLSTERS AND HEADRESTS  
NFPA 1901-2009 HIGH VISIBILITY ORANGE SEAT  
BELTS  
ADJUSTABLE TILT AND TELESCOPING STEERING  
COLUMN  
4-SPOKE 18 INCH STEERING WHEEL  
DRIVER AND PASSENGER INTERIOR SUN VISORS





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**Instruments & Controls**

BLACK GAUGE BEZELS  
LOW AIR PRESSURE INDICATOR LIGHT AND  
AUDIBLE ALARM  
2 INCH PRIMARY AND SECONDARY AIR PRESSURE  
GAUGES  
ENGINE COMPARTMENT MOUNTED AIR  
RESTRICTION INDICATOR WITH GRADUATIONS  
CUSTOM 97 DB BACKUP ALARM  
ELECTRONIC CRUISE CONTROL WITH SWITCHES IN  
LH SWITCH PANEL  
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED  
WARNING LAMPS AND DATA LINKED  
FIRE AND EMERGENCY SERVICE VEHICLES ENGINE  
WARNING  
2 INCH ELECTRIC FUEL GAUGE  
ELECTRICAL ENGINE COOLANT TEMPERATURE  
GAUGE  
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE  
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN  
DRIVER DISPLAY  
ELECTRIC ENGINE OIL PRESSURE GAUGE  
ELECTRONIC MPH SPEEDOMETER WITH  
SECONDARY KPH SCALE  
ELECTRONIC 3000 RPM TACHOMETER  
IGNITION SWITCH CONTROLLED ENGINE STOP  
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH  
DRIVER DISPLAY  
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH  
DELAY  
MARKER LIGHT SWITCH INTEGRAL WITH  
HEADLIGHT SWITCH  
ONE VALVE PARKING BRAKE SYSTEM WITH DASH  
VALVE  
SELF CANCELING TURN SIGNAL SWITCH WITH  
DIMMER, WASHER/WIPER AND HAZARD IN HANDLE  
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER  
WITH HAZARD LAMPS OVERRIDING STOP LAMPS

**Paint Design**

TWO COLOR CUSTOM BASE/CLEAR COAT COLORS  
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS  
PAINT

**CAB TO AXLE DIMESION**

Cab to axle will be 109.5".





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## **CHASSIS MODIFICATIONS**

### **LUBRICATION AND TIRE DATA PLATE**

A permanent label in the driving compartment shall specify the quantity and type of the following fluids used in the vehicle and tire information:

- Engine oil
- Engine coolant
- Chassis transmission fluid
- Pump transmission lubrication fluid (if applicable)
- Pump priming system fluid, if applicable (if applicable)
- Drive axle(s) lubrication fluid
- Air conditioning refrigerant (if applicable)
- Air conditioning lubrication oil (if applicable)
- Power steering fluid
- Cab tilt mechanism fluid (if applicable)
- Transfer case fluid (if applicable)
- Equipment rack fluid (if applicable)
- CAFS air compressor system lubricant (if applicable)
- Generator system lubricant (if applicable)
- Front tire cold pressure
- Rear tire cold pressure
- Maximum tire speed ratings

### **VEHICLE DATA PLATE**

A permanent label in the driving compartment which indicates the following:

- Filter part numbers for the;
  - Engine
  - Transmission
  - Air
  - Fuel
- Serial numbers for the;
  - Engine
  - Transmission
- Delivered Weights of the Front and Rear Axles
- Paint Brand and Code(s)
- Sales Order Number



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**OVERALL HEIGHT, LENGTH DATA PLATE (US)**

The fire apparatus manufacturer shall permanently affix a high-visibility label in a location visible to the driver while seated.

The label shall show the height of the completed fire apparatus in feet and inches, the length of the completed fire apparatus in feet and inches, and the GVWR in pounds.

Wording on the label shall indicate that the information shown was current when the apparatus was manufactured and that, if the overall height changes while the vehicle is in service, the fire department must revise that dimension on the plate.

**PERSONNEL CAPACITY**

A label that states the number of personnel the vehicle is designed to carry shall be located in an area visible to the driver.

**SEAT BELT WARNING - FAMA06/07**

A safety sign FAMA06 shall be visible from each seat that is not equipped with occupant restraint and therefore not intended to be occupied while the vehicle is in motion.

A safety sign FAMA07, which warns of the importance of seat belt use, shall be visible from each seat that is intended to be occupied while the vehicle is in motion.

**EQUIPMENT MOUNTING FAMA10**

A safety sign FAMA10, which warns of the need to secure items in the cab, shall be visible inside the cab.

**FIRE SERVICE TIRES - FAMA12**

A safety sign FAMA12, which warns of the special requirements for fire service-rated tires, shall be visible to the driver entering the cab of any apparatus so equipped.

**HELMET WARNING - FAMA15**

A safety sign FAMA15, which warns not to wear helmets while the vehicle is in motion, shall be visible from each seat that is intended to be occupied while the vehicle is in motion.

**CLIMBING METHOD - FAMA23**

A safety sign FAMA23, which warns of the proper climbing method, shall be visible to personnel entering the cab and at each designated climbing location on the body.



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**REAR STEP CROSSWALK WARNING - FAMA24**

A safety sign FAMA24, which warns personnel not to ride on the vehicle, shall be located at the rear step areas and at any cross walkways.

**FINAL STAGE MANUFACTURER VEHICLE CERTIFICATION**

A final stage manufacturer vehicle certification label shall be provided and installed in the driver cab door jamb area.

**FRONT BUMPER EXTENSION**

The front bumper of the chassis shall be extended approximately 16" ahead of the cab using Junior I-beams.

The bumper mounting plate shall be welded to the Junior I-beam for mounting of the chassis bumper. After fabrication of the bumper extension, the panels shall be removed and the unit shall be primed and painted black.

**BUMPER GRAVEL SHIELD**

The front bumper extension shall have a 3/16" NFPA compliant aluminum tread plate gravel shield. The gravel shield shall cover the full width of the front bumper to the front of the cab and the full height of the bumper on each end.

**AIR HORNS**

Two (2) Grover 24" Stuttertone chrome plated air horns shall be mounted, one (1) each side of the cab hood. An emergency air shut off valve shall be provided in cab.

**AIR HORN ACTIVATION**

The air horn(s) shall be operated by the steering wheel horn button and a foot switch on the cab floor at the officer's position.

**AIR HORN / ELECTRIC HORN SWITCH**

There shall be a switch which allows the driver to select the steering column horn ring operation. This switch shall allow the driver to select either the air horn or electric horn activation.

**MOTOR DRIVEN SIREN**

There shall be a Santa Fe Springs Fire Department supplied B & M Super Chief motor driven rotary siren with chrome plated grill and housing, recess in the extended front bumper. The siren shall be wired through the master warning light switch, and properly wired with heavy copper cable for minimum voltage drop.

The siren shall be located at the center of the front bumper.

There shall be a siren brake installed in the rocker switch control panel to activate the siren brake.





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### **SIREN ACTIVATION**

There shall be two (2) foot switches provided to activate the siren; one (1) for the driver, and one (1) for the officer. The switches shall be mounted on the floor in a location to prevent accidental activation.

### **FRONT TOW PROVISIONS**

The front tow provisions shall be supplied and installed by the cab/chassis manufacturer.

### **AIR INTAKE SYSTEM**

An air filter shall be provided in the engine's air intake system by the body builder. Air inlet restrictions shall not exceed the engine manufacturer's recommendations.

The air inlet shall be equipped with a means of separating water and burning embers from the air intake system.

This requirement shall be permitted to be achieved by either of the following methods:

1. Provision of a device such that burning particulate matter larger than 0.039 in. (1.0 mm) in diameter cannot reach the air filter element.
2. Provision of a multi-screen ember separator capable of meeting the test requirements defined in the Parker Hannafin, Racor Division, publication LF 1093-90, *Ember Separation Test Procedure*, or an equivalent test.

### **EXHAUST**

The exhaust system shall be as provided by cab/chassis manufacturer. The tailpipe may require some modifications for proper ground clearances and fit with body.

The exhaust piping and discharge outlet shall be located or shielded so as not to expose any portion of the vehicle or equipment to excessive heating.

Exhaust pipe discharge shall be directed away from any operator's position or entry doors on body.

Where parts of the exhaust system are exposed so that they are likely to cause injury to operating personnel, protective guards shall be provided.



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### **EXHAUST DIVERTER**

An exhaust diverter valve shall be located in-line of exhaust tubing and controlled from driver's position to re-route exhaust discharge. Exhaust diverter valve shall be constructed from 14-gauge stainless steel material with air actuated control.

As a default, the exhaust shall always discharge to streetside just ahead of rear wheels and whenever the park brake is release. The exhaust will automatically divert to the vertical pipe when the generator is engaged. The operator will also have the ability to manually select the exhaust location from the Vista Screen with the park brake engaged.

The exhaust piping and discharge outlet shall be located or shielded so as not to expose any portion of the apparatus or equipment to excessive heating.

Exhaust pipe discharge shall be directed away from any operator's position.

Where parts of the exhaust system are exposed so that they are likely to cause injury to operating personnel, protective guards shall be provided.

### **RAIN CAP ON EXHAUST**

There shall be a rain cap furnished and installed on the chassis exhaust system.

### **PLYMOVENT ADAPTER**

A Plymovent exhaust diverter shall be provided and mounted to the lower horizontal exhaust discharge.

### **RADIO/ANTENNA INSTALLATION**

There shall be one (1) Santa Fe Springs Fire Department supplied radio(s) with antenna installed in the cab within easy reach of driver. The location of radio shall be determined by the Santa Fe Springs Fire Department at the pre-construction meeting. All required radio programming shall be responsibility of Santa Fe Springs Fire Department. Radio(s) may not be fully tested if no radio program is provided with radio and will be responsibility of Santa Fe Springs Fire Department after delivery.

Radio shall be installed per Manufacturer's requirements and wired for proper 12 volt power and ground.

### **12 VDC USB, DUAL PORT PLUG**

There shall be two (2) 12 volt dual port USB plug(s) provided and installed in the cab console, wired battery direct. The location of the USB plugs shall be determined by the Santa Fe Springs Fire Department at the pre-construction meeting.





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**MOBILE DATA CONSOLE INSTALLATION**

There shall be one (1) Santa Fe Springs Fire Department supplied MDC with antenna(s) installed in the cab in the forward portion of the center console. The location of the MDC shall be determined by the Santa Fe Springs Fire Department at the pre-construction meeting. All required MDC programming shall be responsibility of Santa Fe Springs Fire Department. MDC(s) may not be fully tested if no programming is provided with radio and will be responsibility of Santa Fe Springs Fire Department after delivery.

MDC shall be installed per Manufacturer's requirements and wired for proper 12 volt power and ground and wired battery direct.

**RADIO CHARGER INSTALLATION**

There will be two (2) Santa Fe Springs Fire Department supplied handheld radio chargers installed on the center console. The exact layout will be provided for approval prior to fabrication.

**SCBA SEAT AIR PACK BRACKETS**

No SCBA air pack bracket(s) shall be provided in specified commercial cab SCBA seats. Santa Fe Springs Fire Department will provide and install necessary bracket(s) after delivery.

**SEAT BELT COLOR**

Section 14.1.3.4 of the NFPA 1901 Standards, requires all seat belt webbing in cab to be bright red or bright orange in color, and the buckle portion of the seat belt shall be mounted on a rigid or semi rigid stalk such that the buckle remains positioned in an accessible location.

**SEAT BELT WEB LENGTH - COMMERCIAL CAB**

Sections 14.1.3.2 and 14.1.3.3 of the NFPA 1901 standards, require the effective seat belt web length for a Type 1 lap belt for pelvic restraint to be a minimum of 60", and a Type 2 pelvic and upper torso restraint-style seat belt assembly to be a minimum of 110".

The chassis seat belt web length as supplied by the commercial chassis manufacturer shall be compliant to NFPA Standards 14.1.3.2 and 14.1.3.3.

**SEAT BELT MONITORING AND VEHICLE DATA RECORDER (VDR) SYSTEMS**

**SEAT BELT MONITORING**

A Weldon 6204 series system with Vista IV display shall be provided and installed to allow the driver to know if all persons seated in the vehicle are secured with seat belts before moving the vehicle. Built-in smart seating logic shall detect if the correct sit and buckle sequence is not followed for all seats. System shall also provide an output for an external alarm. Weldon diagnostic port will be located under dash on driver side. System shall include the following features;



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### **VEHICLE DATA RECORDER (VDR)**

The vehicle data recorder shall have the following features;

- Recorded Data Includes: Vehicle Speed, Acceleration, Deceleration, Engine Speed, Engine Throttle Position, ABS Event, Seat Occupied Status, Seat Belt Status, Master Optical Warning Switch, Park Brake, Service Brake, Time, Date and Engine Hours.
- Password Protected by the customer
- Six (6) seat position inputs for occupied and belts buckled. Additional six (6) seat expansion module available.
- Easily interfaces with V-MUX™ or other multiplexing systems
- Data is extracted by a standard, mini USB cable

### **OCCUPANT RESTRAINT INDICATOR**

The occupant restraint indicator shall have the following features;

- Will be displayed on Vista IV panel.
- Supports commercial and custom cab seating layouts; up to 12 seats
- Built-in audible alarm
- Use in conjunction with Vehicle Data Recorder (VDR)

### **IGNITION KEY**

If the vehicle is specified to have an ignition key it will be attached to steering column or dash with vinyl covered steel cable.

Four (4) spare keys shall be supplied with the completed apparatus.

### **SIX (6) – LED TIRE PRESSURE VISUAL INDICATORS**

Each tire shall be equipped with a VECSAFE heavy duty valve cap (or equal) LED indicator that indicates proper tire pressure. The VECSAFE valve cap is self-calibrating. When the cap is mounted on the valve stem the first time, it will memorize that tire pressure, and can be set to recognize a drop in pressure as little as 4 psi. It can be checked for functionality and battery condition by simply unscrewing the cap. If it is in working condition, it will immediately start blinking.

### **HELMET STORAGE**

No helmet storage is required in the cab driving area.

### **HELMET STORAGE**

No helmet storage is required in the cab crew area.



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**CAB CRASH TEST CERTIFICATION**

A cab crash test certification from the fire apparatus manufacturer shall be provided with the equipment. A copy of this certification shall be included with the bid.

NOTE: There shall be no exception to any portion of the cab integrity certification requirements. Nonconformance shall lead to immediate rejection of bid.

The certification shall state that the cab does 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.

**CAB MIRRORS, DRIVER ADJUSTABLE**

Section 14.3.5 of the NFPA 1901 Standards, 2009 edition, requires all primary rear view mirrors used by the driver to be adjustable from the driver's position.

**RE-PAINT CAB - TWO COLOR**

The cab exterior (door jambs not painted unless specified otherwise) shall be re-painted with PPG Delfleet Evolution paint.

Exterior Upper Color:

Exterior Upper Paint Number:

Exterior Lower Color:

Exterior Lower Paint Number:

**PAINT DOOR JAMBS JOB COLOR**

Two (2) chassis door jambs will be painted to match the exterior color of the chassis.

**CHASSIS PAINT WARRANTY**

The portion of the cab re-painted shall be provided with a ten (10) year, non-prorated paint warranty to the original owner. The warranty shall be provided by PPG Inc. A warranty sheet with all conditions and maintenance procedures shall be provided with the delivered vehicle.





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### **CAB STEP COVER AND BATTERY COMPARTMENT**

The stock cab upper and lower entry steps shall be overlaid with 1/8" NFPA compliant aluminum treadplate. There will be a removable panel to access and replace the chassis batteries and a hinged fuel fill access door.

The maximum stepping height shall not exceed 18", with the exception of the ground to first step, which shall not exceed 24" when the vehicle is loaded to its estimated in-service weight. All steps shall have a minimum area of 35 sq. in and shall be of such a shape that a 5" diameter disk does not overlap any side when placed on the step, and shall be arranged to provide a t least 8" of clearance between the leading edge of the step and any obstruction. All platforms shall have a minimum depth of 8" from the leading edge of the platform to any obstruction.

The following options will be cut into the step cover:

### **BATTERY JUMPER STUDS**

Two (2) battery jumper studs, one (1) positive with a red weather cover, and one (1) negative with a black weather cover shall be provided in the lower front portion of the driver step area. Jumper studs shall be identified with color coded label.

These studs shall allow this vehicle to be jump started due to a battery failure, or to allow easy access to assist another vehicle.

### **HUB AND NUT COVERS**

Front and rear wheels shall be provided with stainless steel hub caps and wheel nut covers.

### **MUDFLAPS**

There shall be 1/4" rubber mudflaps provided and installed behind each set of tires to prevent throwing road debris and lower road spray.

### **AIR BRAKE SYSTEM QUICK BUILD-UP**

The air brake quick build-up system shall be supplied from the cab/chassis manufacturer.

The quick buildup system shall provide sufficient air pressure so that the apparatus has no brake drag and is able to stop under the intended operating conditions following the 60-second buildup time.





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### **ELECTRIC DOOR LOCK INTERFACE**

Electric door locks shall be provided and interfaced as follows;

The electric cab door locks shall be provided by the cab/chassis manufacturer.

The cab door electric lock system shall not be interfaced with the body doors.

There will be a hidden lock control switch located behind the grill on the driver's side. It will be a momentary push button style button.

### **ROAD EMERGENCY SAFETY KIT**

The DOT required reflective triangles, warning flares, and fire extinguisher shall be provided by cab and chassis supplier.

### **BODY DESIGN**

The importance of public safety associated with emergency vehicles requires that the construction of this vehicle meet the following specifications. These specifications are written to establish the minimum level of quality and design. All Bidders shall be required to meet these minimum requirements.

It is the intent of these specifications to fully describe the requirements for a custom built emergency type vehicle. In order to extend the expected service life of this vehicle, the body module shall be removable from the chassis frame and be capable of being installed on a new chassis.

The sheet metal material requirements, including alloy and material thickness, throughout the specifications are considered to be a minimum. Since such materials are available to all Manufacturers, the material specifications shall be strictly adhered to.

The fabrication of the body shall be formed sheet metal. Formed components shall allow the Santa Fe Springs Fire Department to have the body repaired locally in the case where any object has struck the body and caused damage. The use of proprietary extrusions will prevent the Santa Fe Springs Fire Department from such repair and shall NOT be used.

Following construction of the subframe, which supports the apparatus body, the sheet metal portion of the body shall be built directly on the subframe. The joining of the subframe and body shall be of a welded integral construction.

The sheet metal fabrication of the body shall be performed using inert gas continuous feed welders only. The entire body shall be welded construction. The use of pop rivets in any portion of structural construction may allow premature failure of the body structure. Therefore, pop rivets shall NOT be used in the construction of the structural portions of the body. This includes side body sheets, inner panels of compartment doors, and any other structural portions of the body.



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### **EXTERIOR ALUMINUM BODY**

The fabrication of the body shall be constructed from aluminum 3003H-14 alloy smooth plate. This shall include compartment front panel, vertical side sheets, side upper rollover panels, rear panels and compartment door frames.

The body compartment floors and exterior panels shall be constructed with not less than 3/16" (.187) aluminum 3003H-14 smooth plate. Interior compartment dividing walls shall be constructed with not less than 1/8" (.125) aluminum 3003H-14 smooth plate. Lighter gauge sheet metal will not be acceptable in these areas, No Exceptions.

The front and rear corners of body shall be formed as part of the front or rear body panels. This provides a stronger body corner and finished appearance. The use of extruded corners, or caps will not be acceptable, No Exceptions.

The door side frame openings shall be formed "C" channel design. An electrical wiring conduit raceway running the full length of exterior compartments shall be provided. This raceway shall contain all 12 volt wiring running to the rear of the apparatus, permitting easy accessibility to wiring.

Individual compartment modules, with dead air space voids between compartments, will not be an acceptable method of compartment construction.

The compartments shall be an integral part of the body construction. Compartment floors from front of body to ahead of rear axle, also from rear axle to rear of body shall be single one-piece sections. Compartment floors shall be preformed, then positioned in body and welded into final position.

Compartment floors shall have a "sweep-out" design with door opening threshold positioned lower than compartment floor, permitting easy cleaning of compartments. Angles, lips, or door moldings are not acceptable in the base of compartment door opening. One-way rubber drain valves shall be provided in compartment floors so that a water hose may be used to flush-out compartment area.

All exterior seams in sheet metal below frame, and around the rear wheel well area shall be welded and caulked to prevent moisture from entering the compartments. All other interior seams and corners shall be sealed with silicone based caulk prior to painting.

Only stainless steel bolts, nuts, and sheet metal screws shall be used in mounting exterior trim, hardware and equipment.

### **DRIP RAILS**

The body shall have drip rails over the side full height compartments. The drip rails shall be formed into the upper body panels providing a ridged lower panel and a flat upper body panel surface. The use of mechanically fastened, taped or glued on drip rails will not be acceptable, No Exceptions.





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### **ROOF CONSTRUCTION**

The roof structure shall be integral with the body sheet metal construction and shall be an all welded assembly. The body roof structure shall be overlaid with not less than 3/16" aluminum 3003H-14 alloy tread plate and welded to roof structure and body sheet metal. All seams in roof material shall be fully and continuously welded to prevent entry of moisture.

There shall be a total of four (4) 2" x 2" x 1/4" 6061-T6 alloy aluminum "C" channels running the length of body, two (2) on each outboard side. These "C" channels shall be used for roof support and in addition shall be used for mounting of any specified reels. This open "C" channel design along with special reel mounting clips allows for a universal location of any specified reels within each compartment.

In between the two (2) center "C" channels running the length of body shall be 2" x 2" x 1/4" 6061-T6 alloy aluminum tubing running in between and welded in place on approximate 16" centers to support roof and/or walkway structure if specified.

A 2" formed radius shall be provided along the body sides and utilized as a wiring trough. The use of aluminum extrusions in this area shall not be acceptable.

### **BODY SUBFRAME**

The chassis frame rails shall be fitted with 1/4" custom extruded UHMW polyethylene rail cap to isolate the body frame members from direct contact with chassis frame rails.

The body subframe shall be constructed from 6061T6 aluminum alloy tubing. Subframe shall consist of two (2) 2" x 6" x 1/4" aluminum tubes, the same width as the chassis frame rails, NO EXCEPTION. Welded to this tubing shall be cross members of 2" x 6" x 1/4" aluminum. These cross members shall extend the full width of the body to support the compartments. Cross members shall be located at front and rear of the body, below compartment divider walls, and in front and rear of wheel well opening. Additional aluminum cross members shall be located on 16" centers, or as necessary to support walkway or heavy equipment.

To form the frame, the tubing shall be beveled and welded at each joint using 5356 aluminum alloy welding wire.

### **BODY MOUNTING**

The body subframe shall be fastened to the chassis frame with a minimum of six (6) spring loaded body mounts. Each mount shall be configured using a two-piece encapsulated slide bracket. The two (2) brackets shall be fabricated of heavy duty 1/4" thick steel and shall have a powder coat finish to prevent any corrosion. Each mounting assembly shall utilize two (2) 3/4" diameter x 6" long grade 8 bolts and two (2) heavy duty springs. The assembly design shall allow the body and subframe to act as one (1) component, separate from the chassis. As the chassis frame twists under driving conditions, the spring mounting system shall eliminate any stress from being transferred into the body. The spring loaded body mounts shall also prevent frame side rail or body damage caused by unevenly distributed stress and strains due to load and chassis movement.

Body mountings that do not allow relief from chassis movement will not be acceptable.



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**10" REAR STEP BUMPER**

The full width rear bumper shall be constructed from 2" x 2" x 1/4" aluminum tubing frame and covered with 3/16" NFPA compliant aluminum tread plate. The bumper shall extend from the rear vertical body panel 10" and provide a rear step with a minimum of 1/2" space at body for water drainage.

**REAR TOW EYES**

There shall be two (2) heavy duty rear mounted tow eyes securely attached to the body subframe, below body. The tow eyes shall be fabricated from 3/4" thick steel plate with a 3" diameter opening. Tow eyes shall have a black powder coat finish.

**GROUND LIGHTS**

There shall be two (2) OnScene 8" Access LED lights installed below bumper capable of providing illumination at a minimum level of 2 fc (20 lx) on ground areas within 30 in. (800 mm) of the edge of the vehicle in areas designed for personnel to climb onto or descend from the vehicle to the ground level.

Lighting shall be switchable but activated automatically when the vehicle park brake is set.

**WHEEL WELL EXTERIOR PANEL**

The exterior panel of the body wheel well enclosure shall be constructed from 3/16" smooth aluminum panels.

**STAINLESS STEEL BODY FENDERS**

The body wheel well openings shall be provided with round radius, polished stainless steel fenderettes. The fenderettes shall be bolted and easily replaceable if damaged. The fenderettes shall be installed using a rubber gasket to reduce buildup of moisture and/or debris.

**WHEEL WELL LINERS**

The wheel wells shall be provided with an easily removable polymer, circular inner fender liner. The inner liner shall be bolted to the wheel well with stainless steel bolts and spaced away from the wheel well so the liner will not accumulate dirt or water.





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## **BODY PAINT SPECIFICATIONS**

### **BODY PAINT PREPARATION**

After the body and components have been fabricated they shall be disassembled so when vehicle is complete there shall be finish paint beneath the removable components. The body shall be removed from chassis during the paint process to insure proper paint coverage. The body and components shall be metal finished as follows to provide a superior substrate for painting.

The exterior (and interior, if painted) body shall undergo a thorough cleaning process starting with a biodegradable phosphoric acid solution to begin the etching process followed by a complete clear water rinse. The next step shall consist of a chemical conversion coating applied to seal the metal substrate and become part of the metal surface for greater film adhesion.

All bright metal fittings, if unavailable in stainless steel or polished aluminum, shall be chrome plated. Iron fittings shall be copper under plated prior to chrome plating.

### **PAINT PROCESS**

The paint process shall follow the strict standards set forth by PPG Industries guidelines. Painters applying PPG products will be PPG Certified Commercial Technicians, and re-certified every two (2) years. The body shall go through the following paint process;

- Clean bare metal with a wax and grease remover using low lint rags.
- Inspect, straighten, and hammer high points, grind all seams, sharp edges, and welds. DA sand entire paintable surfaces using 24-180 grit dry paper. Plastic fill all low spots and DA sand fill areas using 36-180 grit dry paper. Apply pinhole filler and DA sand areas using 80-180 grit dry paper.
- Re-clean bare metal using a wax and grease remover and low lint rags.
- Within 24 hours, a PPG Delfleet® epoxy color primer with proper hardener for corrosion resistance using a pressure pot spray gun and applying 2-5 full wet coats or 1.5-8.0 dry mils max. achieving full hiding and allow to air dry 60 minutes @ 70°F or bake for 45 minutes @ 140°F degree.
- Inspect, putty fill, and dry guild coat entire body surface and DA sand using 180-400 grit dry paper.
- Re-clean bare metal using a wax and grease remover using low lint rags.
- A PPG Delfleet® primer sealer with proper hardener and thinner shall be sprayed using a pressure pot spray gun and applying 1 full wet coat or 1.0-2.0 dry mils achieving full hiding and allow to flash off in spray booth for minimum of 60 minutes @ 70°F.
- A PPG Delfleet® FBCH basecoat (color) with proper hardener and dry additive shall then be sprayed using a pressure pot set @ 45-60 PSI and achieving full hiding or 1.5-2.0 wet mils and allow to flash off in spray booth 45-60 minutes before applying clearcoat.
- A PPG Delfleet® clearcoat with proper hardener and thinner shall be sprayed using a pressure pot spray gun and applying 2-3 full wet coats or 5.0 wet mils for a uniform gloss and allow to flash off in spray booth 10 minutes and bake for 120-140 minutes @ 125°F (surface temp.).
- After cooling, DA sand heavy orange peel or runs using 1000 grit dry sand paper and final DA sand using 1500-2000 grit dry sand paper. Wipe off all surfaces to remove dust and debris. Buff unit as needed using 3M rubbing compound and a white wool pad and inspect until all sand scratches are removed.



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- Polish as needed using 3M Perfect-It-Polish and a black foam pad, repeat as necessary and inspect until all sand scratches are removed.

#### **PAINT - ENVIRONMENTAL IMPACT**

The contractor shall meet or exceed all current State (his) regulations concerning paint operations. Pollution control shall include measures to protect the atmosphere, water and soil. PPG Delfleet® Evolution paint shall be free of all heavy metal (lead & chromate) components. Paint emissions from sanding and painting shall be filtered and collected. All paint wastes shall be disposed of in an environmentally safe manner. Solvents used in cleanup operations shall be collected, sent off-site for distillation and returned for reuse.

#### **FASTENERS**

Prior to the assembly and reinstallation of exterior components; i.e. warning and DOT lights, handrails, steps, door hardware, and miscellaneous items, a Mylar isolation tape, or gasket shall be used to prevent damage to the finish painted surface. These components shall be fastened to body using either a plastic insert into body metal with stainless steel screws or zinc coated nut-surts into body surface using stainless steel bolts to prevent corrosion from dissimilar metals.

#### **ELECTROLYSIS CORROSION CONTROL**

The vehicle shall be assembled using ECK brand or similar corrosion control compound on all high corrosion potential areas.

ECK protects aluminum and stainless steel against electrolytic reaction, isolates dissimilar metals and gives bedding protection for hardware and fasteners. ECK contains anti-seizing lubricant for threads. ECK is dielectric and perfect for use with electrical connectors.

#### **PAINT FINISH - SINGLE COLOR**

The body shall be painted with a single color of PPG Delfleet® Evolution per Santa Fe Springs Fire Department approved paint spray out provided.

A small touch-up bottle of paint shall be provided with completed vehicle.

- Paint Color: RED
- Paint Number: Sikkens LV-FLNA3225

#### **BODY UNDERCOATING**

The entire underside of body shall be sprayed with black automotive undercoating. Undercoating shall cover all areas underside of body and wheel well area to help prevent corrosion under the vehicle.





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### UNDERCOAT WARRANTY

The body undercoating shall have a warranty provided by the manufacturer for the lifetime of the vehicle or twenty (20) years, whichever occurs first. The warranty shall be transferable between vehicle owners. Should the undercoating material applied to the underside of the body and wheel wells of the vehicle ever flake off, peel, chip or crack due to drying out, the damaged area shall be re-sprayed without charge to the vehicle owner.

### PAINT WARRANTY

The vehicle shall be provided with a ten (10) year non-prorated warranty to the original owner. Warranty is provided by PPG Inc. A warranty sheet with all conditions and maintenance procedures shall be provided with the delivered vehicle. **Pro-rated warranties will not be acceptable.**

### COMPARTMENT INTERIOR FINISH

The compartment interior paintable surfaces shall be prepared and DA sanded using 80-120 grit dry paper and cleaned with a wax and grease remover. A PPG Delfleet® primer topcoat of either a solids epoxy primer or an etch primer shall be applied.

A PPG Delfleet® color primer with proper hardener and thinner mix shall then be sprayed using a pressure pot spray gun and applying 2 wet coats achieving full hiding on entire compartment surface and allow to air dry for 30 minutes @ 70°F before applying texture coat.

A PPG Delfleet® F3985 White/F3986 Gray top coat/texture coat with proper hardener and dry additive shall then be sprayed using a pressure pot and reducing the atomizing air pressure and turn fan pattern all the way in on the gun. Apply the first color texture coat as needed and allow to air dry @ 70°F over night before assembly and 7 days before putting into full service.

### REFLECTIVE STRIPE REQUIREMENTS

#### Material

All retroreflective materials shall conform to the requirements of ASTM D 4956, *Standard Specification for Retroreflective Sheeting for Traffic Control*, Section 6.1.1 for Type I Sheeting.

All retroreflective materials used that are colors not listed in ASTM D 4956, Section 6.1.1, shall have a minimum coefficient of retro-reflection of 10 with observation angle of 0.2 degrees and entrance angle of -4 degrees.

Any printed or processed retroreflective film construction used shall conform to the standards required of an integral colored film as specified in ASTM D 4956, Section 6.1.1.



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### Minimum Requirements

A retroreflective stripe(s) shall be affixed to at least 50 percent of the cab and body length on each side, excluding the pump panel areas, and at least 25 percent of the width of the front of the apparatus.

The stripe or combination of stripes shall be a minimum of 4 in. (100 mm) in total width.

The 4 in. (100 mm) wide stripe or combination of stripes shall be permitted to be interrupted by objects (i.e., receptacles, cracks between slats in roll up doors) provided the full stripe is seen as conspicuous when approaching the apparatus.

### GRAPHICS PROOF

A color graphics proof of the reflective striping layout shall be provided for approval by Santa Fe Springs Fire Department prior to installation. The graphics proof shall be submitted to Santa Fe Springs Fire Department on 8.5" x 11" sheets with front, sides, rear and plan views, each on one (1) sheet. In addition, if there is any special art work an additional sheet shall be provided showing all details.

### REFLECTIVE STRIPE - CAB SIDE

The reflective stripe material shall be 6" wide, 3M Scotchcal 680 series.

- This reflective stripe shall be white in color.

There shall be a 1/4" Scotchcal reflective pinstripe located directly above and a second 1/4" Scotchcal reflective stripe located directly below the main stripe.

- This reflective stripe shall be black in color.

### REFLECTIVE STRIPE - CAB FRONT

The reflective stripe material shall be 6" wide, 3M Scotchcal 680 series.

- This reflective stripe shall be white in color.

There shall be a 1/4" Scotchcal reflective pinstripe located directly above and a second 1/4" Scotchcal reflective stripe located directly below the main stripe.

- This reflective stripe shall be black in color.





### **REFLECTIVE STRIPE - CAB DOOR INTERIOR**

Any door of the apparatus designed to allow persons to enter or exit the apparatus shall have at least 96 in.2 (62,000 mm2) of retroreflective material affixed to the inside of the door.

The stripe material shall be 3M Scotchlite 680.

- This reflective stripe shall be white in color.

### **REFLECTIVE STRIPE - BODY SIDES**

The reflective stripe material shall be 6" wide, 3M Scotchcal 680 series.

- This reflective stripe shall be white in color.

There shall be a 1/4" Scotchcal reflective pinstripe located directly above and a second 1/4" Scotchcal reflective stripe located directly below the main stripe.

- This reflective stripe shall be black in color.

The stripe shall extend from the front of cab in a straight line, then just ahead of the rear wheels the stripe shall angle up and extend straight back to the rear of the body.

### **CHEVRON REFLECTIVE STRIPE - CENTER REAR**

At least 50 percent of the rear-facing vertical surfaces, visible from the rear of the apparatus, excluding any pump panel areas not covered by a door, shall be equipped with retroreflective striping in a chevron pattern sloping downward and away from the centerline of the vehicle at an angle of 45 degrees. Each stripe shall be 6" width.

Only the rear center body area shall have a chevron style reflective stripe layout that covers the rear center body panel, or roll-up door (if specified), extending from bumper height up to side compartment drip rail height. Chevron panels shall have a 3M UV over laminate to protect from UV rays, scene damage, and everyday use. Chevron panels shall have a minimum 10 year warranty for material failure, and colorfastness.

The stripe material shall be 3M Diamond Grade.

This reflective chevron stripe shall alternate red and fluorescent yellow-green in color.



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**LETTERING**

**GRAPHICS PROOF**

A color graphics proof of the lettering layout shall be provided for approval by Santa Fe Springs Fire Department prior to installation. The graphics proof shall be submitted to Santa Fe Springs Fire Department on 8.5" x 11" sheets with front, sides, rear and plan views, each on one (1) sheet. In addition, if there is any special art work an additional sheet shall be provided showing all details.

The following lettering shall be provided and installed on the completed unit as follows;

**SIDE CAB DOOR LETTERING**

There shall be forty (40) 3" high SuperGold letters furnished and installed on the vehicle. Lettering shall have a clear 3M UV Protective Over Laminate applied before installation.

"SANTA FE SPRINGS"

"FIRE - RESCUE"

Final design and layout shall be determined prior to construction.

**UPPER BODY SIDE LETTERING**

There shall be eighty (80) 10" high reflective letters furnished and installed on the vehicle.

- This reflective lettering color shall be white with a black shadow.

**REAR BODY LETTERING**

There shall be six (6) 6" high reflective letters furnished and installed on the vehicle.

"SFS 828"

- This reflective lettering shall be white in color.

There shall be nineteen (19) 3" high SuperGold with black shadow letters furnished and installed on the vehicle. Lettering shall have a clear 3M UV Protective Over Laminate applied before installation.

"SANTA FE SPRINGS"

"FIRE - RESCUE"

**BODY ROOF LETTERING**

There shall be three (3) 22" high reflective letters furnished and installed on the vehicle.

- This reflective lettering shall be white in color.





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## **EXTERIOR COMPARTMENT DOORS**

### **ROLL-UP DOOR CONSTRUCTION - ROBINSON (ROM)**

The vehicle shall be equipped with R•O•M Series IV roll-up exterior compartment doors. The R•O•M roll-up doors shall be complete with the following features;

Each shutter slat, track, bottom rail, and drip rail shall be constructed from anodized 6063 T6 aluminum. Shutter slats shall feature a double wall extrusion 0.315" thick with a concave interior surface to minimize loose equipment jamming the shutter door closed. Shutter slats shall feature an interlocking end shoe to prevent side to side binding of the shutter door during operation. Slat must have interlocking joints with an inverted locking flange. Slat inner seal shall be a one piece PVC extrusion; seal design will be such to prevent metal to metal contact while minimizing dirt and water from entering the compartment.

Shutter door track shall be one piece design with integral overlapping flange to provide a clean finished look without the need of caulk. Door track shall feature an extruded Santoprene rubber double lip low profile side seal with a silicone co-extruded back to reduce friction during shutter operation.

Shutter bottom rail shall be a one piece double wall extrusion with integrated finger pull. Finger pull shall be curved upward with a linear striated surface to improve operator grip while operating the shutter door. Bottom rail shall have a smooth contoured interior surface to prevent loose equipment from jamming the shutter door. Bottom rail seal shall be made from Santoprene; it will be a double "V" seal to prevent water and debris from entering compartment. Bottom rail lift bar shall be a one piece "D" shaped aluminum extrusion with linear striations to improve operator grip during operation. Lift bar shall have a wall thickness of 0.125". Lift bar shall be supported by no less than two pivot blocks; pivot blocks shall be constructed from Type 66 Glass filled reinforced nylon for superior strength. Bottom rail end blocks shall have incorporated drain holes which will allow any moisture that collects inside the extrusion to drain out.

Shutter door shall have an enclosed counter balance system. Counter balance system shall be 4" in diameter and held in place by two (2) heavy duty 18 gauge zinc plated plates. Counter balance system shall have two (2) over-molded rubber guide wheels to provide a smooth transition from vertical track to counter balance system; no foam material of any kind shall be permitted or used in this area.

### **ROM DOOR BOTTOM RAIL**

All exterior compartment doors shall have the standard 3.0" tall bottom rail extrusion for easy one (1) hand opening and closing.

The specified retroreflective stripe material shall be applied on the roll-up compartment doors. The stripe shall be precision machine cut for each door slat of the roll-up doors. Under no circumstance will the stripe material be cut on roll-up door surface.



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### **BODY HEIGHT MEASUREMENTS**

The vertical body dimensions shall be as follows:

#### **AHEAD OF REAR AXLE**

	<u>Description</u>	<u>Dimension</u>
A	Bottom of Subframe to Top of Body	74.0"
B	Bottom of Subframe to Bottom of Body	21.5"
C	Vertical Door Opening	
	-with roll-up door	67.5"
	-with hinged door	71.5"

#### **ABOVE REAR AXLE**

	<u>Description</u>	<u>Dimension</u>
D	Vertical Door Opening - Above Rear Wheel	
	-with roll-up door	36.0"
	-with hinged door	40.0"

#### **BEHIND REAR AXLE**

	<u>Description</u>	<u>Dimension</u>
E	Bottom of Subframe to Bottom of Body	18.5"
F	Vertical Door Opening	
	-with roll-up door	64.5"
	-with hinged door	68.5"

#### **GENERAL**

	<u>Description</u>	<u>Dimension</u>
G	Bottom of Drip Rail to Top of Body	20.5"

(Dimensions are approximate and subject to change during construction or design process.)

### **BODY WIDTH DIMENSIONS**

The body shall be 100.0" wide, and 102.0" wide at drip rails. Interior compartment depth dimensions shall be approximately:

<u>Area Description</u>	<u>Dimension</u>
Transverse above subframe	95.0"
Compartment depth below subframe	24.5"





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**STREETSIDE COMPARTMENT - FRONT (S1)**

The interior useable compartment space shall be approximately 70.0" wide.

The compartment door opening shall be approximately 63.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door. The lock will be keyed to 1250.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

**COMPARTMENT LAYOUT**

- There shall be vertically mounted aluminum Shelf-Trac for specified component installation. Shelf-Trac extrusion shall have side extruded channels for use in mounting or securing special ancillary items, without need for drilling into body.
- There shall be one (1) adjustable shelf/shelves approximately 30" deep. Each shelf shall be fabricated from 3/16" 3003 aluminum sheet with a 2" vertical flange along the front and rear edges.
- The above component(s) shall have a smooth un-painted finish.
- There shall be two (2) OnScene Solutions 83 series aluminum tray base with 70% extension, and rating of 1,000 lbs. Slide-out tray(s) base shall be approximately 94" deep, capable of extending out either side of the body located above the level of the chassis frame rails. Each slide base shall have a cable operated, spring loaded latch complimented by a large hand opening and red pull handle (Pull to Release) which will lock the tray in the closed, 40% extended and 70% extended positions. Each tray top shall be fabricated from 3/16" 3003 aluminum sheet shall have welded corners to form a box type tray surface with an internal depth of approximately 3 1/2". One (1) tray will be used to hold the table/chair module and will not have a full lip, and one (1) tray will be located rearward of the partition for storage.



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- The above component(s) shall have a smooth un-painted finish.
- There shall be one (1) bolt-in vertical compartment partition(s) provided dividing the compartment into left and right sides. The vertical partition(s) shall be 3/16" (.188) 3003H-14 alloy smooth aluminum sheet.
- There shall be one (1) transverse table and chair storage module for the following equipment;
- Four (4) FD supplied folding tables 5' long
- Twenty-Four (24) FD supplied folding chairs
- There shall be four (4) OnScene Solutions cargo straps provided to secure the stored equipment.
- The floor of the compartment above the frame rails shall be extended to the interior edge of the door. The floor shall have a 2" vertical lip and a 1" return to increase strength.
- Two (2) OnScene 64" Access LED compartment lights, vertically mounted.
- There shall be one (1) underbody slide-out step. Platform shall be constructed from 9" deep DiamondBack non-slip vented aluminum stair treads mounted to underbody using Delron plastic slides for corrosion resistance. Step slide shall be securely held in both out and stored position, utilizing a heavy duty pneumatic cylinder designed to have an over center location which will assist the step in both extension and retraction. Each step shall be designed to hold 500 lbs.
- One (1) OnScene 8" Access LED ground light(s) shall be provided below the body.
- The 12 volt electrical distribution panel shall be located in the front lower compartment.



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**STREETSIDE COMPARTMENT - ABOVE REAR WHEELS (S2)**

The interior useable compartment width shall be approximately 64.0" wide.

The compartment door opening shall be approximately 57.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door. The lock will be keyed to 1250.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

**COMPARTMENT LAYOUT**

- Two (2) OnScene 28" Access LED compartment lights, vertically mounted.
- The controls for the specified awning(s).
- Specified breathing air compressor and air storage system in center of compartment.





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**STREETSIDE COMPARTMENT - REAR (S3)**

The interior useable compartment width shall be approximately 64.0" wide.

The compartment door opening shall be approximately 57.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

**COMPARTMENT LAYOUT**

- There shall be vertically mounted aluminum Shelf-Trac for specified component installation. Shelf-Trac extrusion shall have side extruded channels for use in mounting or securing special ancillary items, without need for drilling into body.
- There shall be two (2) adjustable shelf/shelves approximately 70" deep. Each shelf shall be fabricated from 3/16" 3003 aluminum sheet with a 2" vertical flange along the front and rear edges.
  - The above component(s) shall have a smooth un-painted finish.
- There shall be one (1) bolt-in vertical compartment partition(s) provided dividing the compartment into left and right sides. The vertical partition(s) shall be 3/16" (.188) 3003H-14 alloy smooth aluminum sheet. The area aft of the partition will be designated to hold four (4) FD supplied EZ-UP 10' x 10' tents.
  - The above component(s) shall have a smooth un-painted finish.





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- There shall be one (1) SCBA cylinder storage module for 8" OD (maximum) SCBA bottles. The maximum length of the SCBA cylinder shall be 24.75". The module shall have an exterior shell fabricated from 1/8" (.125) 3003H-14 aluminum alloy sheet. The module shall have a 2" slope, front to back to prevent cylinders from sliding out. The SCBA cylinder storage tubing shall be fabricated from PVC pipe to prevent damage or abrasion to cylinders. In addition, there shall be rubber matting provided in the base of each storage tube for bottle protection and to prevent slipping.
- The SCBA cylinder module shall be capable of storing eight (8) SCBA cylinders up to 7.5" diameter.
- There shall be one (1) OnScene Solutions cargo straps provided to secure the stored equipment.
- The floor of the compartment above the frame rails shall cover the area directly above the frame rails ONLY (non-extended floor).
- One (1) Hannay ECR1618-17-18 electric cable reel(s) capable of storing 200' of 10/3 electric cable. Reel(s) shall be designed to hold 110% of the capacity of cord length, with fully enclosed 45 amp, three (3) conductor collector rings. Reel(s) shall be mounted to channel structure that allows for side-to-side adjustment of reel position.
- Power rewind control(s) shall be in a position where the operator can observe the rewinding operation and not be more than 72 in. (1830 mm) above the operator's standing position, and shall be marked with a label indicating its function.
- A label shall be provided in a visible location adjacent to reel with following information: Current rating, Current type, Phase, Voltage, and Total cord length.
- The cable reel shall be equipped with 200' of 10/3 SEOW yellow cable, a molded plastic ball clamp, and a single heavy duty L5-30 twist-lock female plug at the end.
- One (1) Akron model EJB series, cast aluminum electrical power distribution box with yellow powder coat painted finish shall be provided. The power distribution box shall meet all requirements described in NFPA 1901. The power distribution box shall include the following outlets mounted on a backlit face plate;
- A 12" pigtail that terminates in an L5-30 configuration to match the cable on the cord reel. The outlet configuration shall include:
  - One (1) 120 VAC, L5-20 single twist lock receptacle.
  - One (1) 120 VAC, L5-20 single twist lock receptacle.
  - One (1) 120 VAC, 5-15 duplex straight-blade receptacle.
  - One (1) 120 VAC, 5-15 duplex straight-blade receptacle.
  - One (1) Akron formed aluminum treadplate vertical mounting bracket shall be provided for specified power distribution box.



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- The fairlead roller shall be mounted directly to the reel.
- Two (2) OnScene 64" Access LED compartment lights, vertically mounted.
- One (1) OnScene 54" Access LED compartment light, vertically mounted.
- There shall be one (1) underbody slide-out step. Platform shall be constructed from 9" deep DiamondBack non-slip vented aluminum stair treads mounted to underbody using Delron plastic slides for corrosion resistance. Step slide shall be securely held in both out and stored position, utilizing a heavy duty pneumatic cylinder designed to have an over center location which will assist the step in both extension and retraction. Each step shall be designed to hold 500 lbs.
- One (1) OnScene 8" Access LED ground light(s) shall be provided below the body.
- Two (2) 3-1/2" x 3-1/2" black plastic louvered vents shall be provided in the lower compartment.



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**CURBSIDE COMPARTMENT - FRONT (C1)**

The interior useable compartment space shall be approximately 70.0" wide.

The compartment door opening shall be approximately 63.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door. The lock will be keyed to 1250.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

**COMPARTMENT LAYOUT**

- There shall be vertically mounted aluminum Shelf-Trac for specified component installation. Shelf-Trac extrusion shall have side extruded channels for use in mounting or securing special ancillary items, without need for drilling into body.
- There shall be two (2) OnScene Solutions 83 series aluminum tray base with 70% extension, and rating of 1,000 lbs. Slide-out tray(s) base shall be approximately 94" deep; capable of extending out either side of the body located above the level of the chassis frame rails. (Specified in opposite side compartment.)
- There shall be one (1) bolt-in vertical compartment partition(s) provided dividing the compartment into left and right sides. The vertical partition(s) shall be 3/16" (.188) 3003H-14 alloy smooth aluminum sheet.
- There shall be one (1) transverse module fabricated from 3/16" (.188) 3003H-14 aluminum alloy smooth sheet. The module will be designed for the following long tools and equipment:
- Four (4) Santa Fe Springs Fire Department supplied EZ Up tent(s).
- There shall be four (4) OnScene Solutions Velcro cargo straps provided to secure the stored equipment.
- The floor of the compartment above the frame rails shall be extended to the interior edge of the door. The floor shall have a 2" vertical lip and a 1" return to increase strength.





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- Two (2) OnScene 64" Access LED compartment lights, vertically mounted.
- There shall be one (1) underbody slide-out step. Platform shall be constructed from 9" deep DiamondBack non-slip vented aluminum stair treads mounted to underbody using Delron plastic slides for corrosion resistance. Step slide shall be securely held in both out and stored position, utilizing a heavy duty pneumatic cylinder designed to have an over center location which will assist the step in both extension and retraction. Each step shall be designed to hold 500 lbs.
- One (1) OnScene 8" Access LED ground light(s) shall be provided below the body.





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**CURBSIDE COMPARTMENT - ABOVE REAR WHEEL (C2)**

The interior useable compartment width shall be approximately 64.0" wide.

The compartment door opening shall be approximately 57.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door. The lock will be keyed to 1250.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

**COMPARTMENT LAYOUT**

- Two (2) OnScene 28" Access LED compartment lights, vertically mounted.
- One (1) 120/240 VAC load center.
- The generator gauge panel.
- The controls for the specified awning(s).
- A Bauer model K-18.1-20-E3 air compressor with a recharging rate of 25.2 SCFM @ 6,000 PSI shall be provided. Compressor skid shall include 20 HP, 3-phase soft start electric motor, P5 Securus purification system, electronic CO monitor with calibration kit, and fill station inter-connecting harness. Compressor module shall be approximately 88" L x 51" W x 41" H and weigh 1,400 pounds (not inc. air storage).
- No boost system shall be provided with compressor skid.



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- An Appleton inlet and base shall be provided in compartment near compressor. The compressor shall have a 2/00 AWG SO cord with a matching Appleton plug for operating compressor from the on-board generator system. Another matching Appleton plug shall be provided with completed vehicle for operating the compressor from an in-house electrical system. All required building wiring shall be responsibility of Santa Fe Springs Fire Department.
- Air storage shall consist of four (4) ASME 491 SCF @ 6,000 PSI, (does not require hydrostatic testing) shall be provided on completed vehicle complete with gauges and valves. Each cylinder shall measure 9.6" diameter x 55" long, and weigh 400 lbs.

A label shall be placed on or near the operator's panel that provides the following:

- The original cylinder test date stamped on the cylinders.
- The recommended testing interval.
- Five additional open spaces, appropriately labeled, for the user to enter actual retesting dates.

The manufacturer's test date (month and year) on each air tank shall be current within 12 months of the apparatus delivery date.

Air tanks shall be marked with a label that reads;

"High Pressure 6,000 PSI Breathing Air" or "High Pressure 41,368 kPa Breathing Air."

- The Bauer compressor shall be free from defects in material and workmanship for a period of two (2) years. The foregoing warranty period shall be extended to five (5) years from the date of shipment from Bauer for Customers that are Municipal Fire Departments with respect to the compressor block (breathing air application), provided that such extended warranty period shall only apply to product parts with proof of proper maintenance being completed in accordance with published Bauer factory recommendations. To be eligible for this limited warranty to cover Customer's product, Customer must return a properly completed start-up/warranty registration form to Bauer within ninety (90) days from the date of start-up.
- Training and instruction shall be provided by compressor manufacturer at Santa Fe Springs Fire Department location on proper use of complete air compressor system.
- The NFPA required air quality test shall be completed by manufacturer prior to delivery. Complete results of test shall be provided to Santa Fe Springs Fire Department upon delivery.





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**CURBSIDE COMPARTMENT - REAR (C3)**

The interior useable compartment width shall be approximately 64.0" wide.

The compartment door opening shall be approximately 57.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door slats and the door track components shall be painted to match the single tone exterior color.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door. The lock will be keyed to 1250.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

**COMPARTMENT LAYOUT**

- There shall be vertically mounted aluminum Shelf-Trac for specified component installation. Shelf-Trac extrusion shall have side extruded channels for use in mounting or securing special ancillary items, without need for drilling into body.
- There shall be one (1) adjustable shelf/shelves approximately 18" deep. Each shelf shall be fabricated from 3/16" 3003 aluminum sheet with a 2" vertical flange along the front and rear edge.
- The above component(s) shall have a smooth un-painted finish.
- There shall be one (1) 400 lbs. slide-out tray(s) approximately 24" deep and as wide as the compartment layout or door opening permits. Each tray shall be vertically adjustable. Each tray top shall be fabricated from 3/16" 3003 aluminum sheet with a 3" vertical lip and welded corners to form a box type tray surface. The sliding tracks shall extend 100% of the slide length. The tray assembly shall utilize a pneumatic cylinder mounted on underside to hold the tray in both the extended and closed positions.
- The above component(s) shall have a smooth un-painted finish.



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- There shall be one (1) bolt-in vertical compartment partition(s) provided dividing the compartment into left and right sides. The vertical partition(s) shall be 3/16" (.188) 3003H-14 alloy smooth aluminum sheet.
- The above component(s) shall have a smooth un-painted finish.
- Compartment C3 will have minimum 1/8" smooth aluminum walls to isolate the compartment from all other compartments as much as possible. There will be areas allow of necessary wire and airlines pass thru's.
- The floor of the compartment above the frame rails shall be extended to the interior edge of the door. The floor shall have a 2" vertical lip and a 1" return to increase strength.
- One (1) Hannay ECR1618-17-18 electric cable reel(s) capable of storing 200' of 10/3 electric cable. Reel(s) shall be designed to hold 110% of the capacity of cord length, with fully enclosed 45 amp, three (3) conductor collector rings. Reel(s) shall be mounted to channel structure that allows for side-to-side adjustment of reel position.
- Power rewind control(s) shall be in a position where the operator can observe the rewinding operation and not be more than 72 in. (1830 mm) above the operator's standing position, and shall be marked with a label indicating its function.
- A label shall be provided in a visible location adjacent to reel with following information: Current rating, Current type, Phase, Voltage, and Total cord length.
- The cable reel shall be equipped with 200' of 10/3 SEOW yellow cable, a molded plastic ball clamp, and a single heavy duty L5-30 twist-lock female plug at the end.
- One (1) Akron model EJB series, cast aluminum electrical power distribution box with yellow powder coat painted finish shall be provided. The power distribution box shall meet all requirements described in NFPA 1901. The power distribution box shall include the following outlets mounted on a backlit face plate;
- A 12" pigtail that terminates in an L5-30 configuration to match the cable on the cord reel. The outlet configuration shall include:
  - One (1) 120 VAC, L5-20 single twist lock receptacle.
  - One (1) 120 VAC, L5-20 single twist lock receptacle.
  - One (1) 120 VAC, 5-15 duplex straight-blade receptacle.
  - One (1) 120 VAC, 5-15 duplex straight-blade receptacle.
  - One (1) Akron formed aluminum treadplate vertical mounting bracket shall be provided for specified power distribution box.
- The fairlead roller shall be mounted directly to the reel.





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- One (1) Engel, model MT80F-U1, 12 VDC/120VAC, refrigerator/freezer. The unit will be a top load chest style unit and mounted on a roll-out tray listed above in the lower compartment area. The refrigerator shall operate from both 12 VDC and 120 VAC power. The dimensions are approximately 32"L x 15"W x 17"D. The refrigerator/freezer 12V power will only be provided when the chassis engine is running.
- There shall be two (2) Bunn model CW15-APS Airpot Dispensed Coffee Brewer(s) with Airpot(s) furnished and installed in the compartment.
- There shall be one (1) commercial grade under-cabinet style microwave oven furnished and installed in the compartment. The unit shall be a 1000-watt minimum with stainless steel cabinet. The built-in dimensions shall be 12" high x 20-1/2" wide x 16" deep. The unit will be installed under the coffee makers suspended from under the extended compartment floor.
  - Two (2) OnScene 54" Access LED compartment lights, vertically mounted.
  - There shall be three (3) 120 VAC outlet(s) located in compartment on the forward wall.
  - The outlet receptacle(s) shall be 20 amp, straight-blade (NEMA 5-20R).
  - Outlet(s) shall be powered through the on-board generator system.
- There shall be one (1) underbody slide-out step. Platform shall be constructed from 9" deep DiamondBack non-slip vented aluminum stair treads mounted to underbody using Delron plastic slides for corrosion resistance. Step slide shall be securely held in both out and stored position, utilizing a heavy duty pneumatic cylinder designed to have an over center location which will assist the step in both extension and retraction. Each step shall be designed to hold 500 lbs.
- One (1) OnScene 8" Access LED ground light(s) shall be provided below the body.



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**REAR COMPARTMENT - CENTER (RC1)**

The rear center compartment shall be closed to both side rear compartments.

The rear center compartment shall begin just above the bumper height and be as high as the side compartments, unless specified otherwise. The body sub-frame shall extend at least 20" into the compartment to allow for the spring loaded body mounts.

The interior useable compartment width shall be approximately 56.0" wide.

The compartment door opening shall be approximately 49.0" wide.

This compartment shall have a R•O•M series IV roll-up door.

- The roll-up door shall have an unpainted satin aluminum finish on the door slats and the door trim components.
- The door shall be equipped with a CPI harsh environment mechanical type door ajar switch located inside compartment interior lower door track.
- A keyed cylinder lock shall be provided on bottom rail of the roll-up door.
- One (1) 1" wide nylon strap shall be provided to assist in closing the compartment door. The strap shall be fastened to the lower left inside door sill with a nickel plated Footman loop secured to back of door. The strap shall extend from door to a nickel plated Footman loop secured to wall or vertical slot of Shelf-Trac on left side of the door opening.
- A compartment threshold protection plate shall be installed on the bottom edge of the compartment door opening. The threshold protection shall be fabricated from an aluminum extrusion with an anodized exterior finish.

**COMPARTMENT LAYOUT**

- One (1) Hannay EFH1516-17-18 high pressure air hose reel(s) shall be provided in this compartment. Reel shall be designed to hold 110% of the capacity needed.
- Power rewind control(s) shall be in a position where the operator can observe the rewinding operation and shall be marked with a label indicating its function and shall be guarded to prevent accidental operation.
- A label shall be provided in a visible location adjacent to reel with following information: (1) Utility air or breathing air, (2) Operating pressure, (3) Total hose length, (4) Hose size (ID).
- The hose reel shall be equipped with 300' of 3/16" Parker 6,000 PSI, high pressure air hose. A molded plastic ball clamp shall be provided on the hose to stop it at the 4-way roller. The hose shall be Gray in color with a red color coded end.
- The fitting on the end of the high pressure air hose reel shall be a CGA-347 high pressure fitting.



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- The air supply shall be from the mobile breathing air system. A reel shut-off valve, pressure regulator, and 0-6,000 psi gauge shall be provided at the air control panel.
- The air supply shall be from the mobile breathing air system.
- The fairlead roller shall be mounted directly to the reel.
- Two (2) OnScene 64" Access LED compartment lights, vertically mounted.
- One (1) OnScene 36" Access LED compartment lights, horizontally mounted.





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- The controls for the specified light tower(s).
  - One (1) Bauer model CFS5.5 3M, NFPA 1901 compliant containment type three (3) cylinder filling station with compressor controls rated for cylinder pressures up to 5,500 PSI shall be provided with proper reinforcement for weight of fill station and venting thru floor opening. Fill station will be approximately 46.75" wide x 50.25" high x 21" deep, and weigh approximately 905 lbs.
  - Filling operation shall be controlled with manual controls mounted on front of fill station. An air flow selector valve to fill from either compressor or storage, and manual valves and gauges for each air storage cylinder (maximum of four (4)).
  - An air storage refill port shall be provided on the fill station.
  - One (1) high pressure air hose reel gauge(s), adjustable regulator(s), and fill control(s) shall be provided on front panel with outlet port located on the rear of the fill station.
  - One (1) fill station fill line(s) shall have a quick disconnect with 2,216 psi fill adapter(s) and pressure relief valve.
  - The fill station fill whip(s) shall terminate in a high pressure CGA-347 threaded connectors for 4,500 - 5,500 PSI air pack cylinders.





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**PLASTIC FLOOR AND SHELF TILE**

All compartment floors, shelves, and trays shall be covered with Dri-Dek plastic interlocking grating.

- The plastic floor tile shall be black.
- The plastic edge trim shall be black.

**LOWER SIDE BODY PROTECTION - RUB RAIL**

Rub rails shall be provided below the compartment door openings on both the streetside and curbside.

The rub rail shall be fabricated from smooth aluminum flat bar stock. The rub rail shall be bolted to the body using stainless steel bolts and 1-1/2" diameter x 5/8" thick rubber mount isolators to prevent damage to the body.

**FRONT GRAVEL GUARDS**

Gravel guards shall be provided on front lower body corners. Guards shall be 12" high, extend from behind cab or step and wrap around to the front compartment door opening fabricated from 20 gauge polished stainless steel.

**ROLL-OUT AWNING STREETSIDE**

One (1) Girard G-2000 Automatic Retractable Lateral Arm Awning shall be mounted on the body side.

The cassette housing is made of corrosion-resistant, powder-coated extruded aluminum with components made of stainless steel. The housing box to be powder coated to match the upper body white.

The unit shall measure 16' long x 5-1/4" deep x 7-3/8" high. The awning shall project outward 9' - 9" and will be mounted slightly lower in the rear to add in drainage.

The G-2000 will deploy and retract using a 110V AC motor with manual override (to retract awning in the event of a power failure). The controls shall be located in compartments S1 for a streetside awning, and C1 for a curbside awning.

The awning shall have a system to detect canopy motion. The awning shall automatically retract when the canopy reaches a certain level of movement. The G-2000 has a Limited Lifetime Warranty.

- The awning fabric color shall be red.

The specified awning above shall be surface mounted to upper body side. The awning shall add approximately 5.75" to body width.

**AWNING HOUSING COLOR**

The awnings standard white housing color shall be re-painted to match upper body color.



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**ROLL-OUT AWNING CURBSIDE**

One (1) Girard G-2000 Automatic Retractable Lateral Arm Awning shall be mounted on the body side.

The cassette housing is made of corrosion-resistant, powder-coated extruded aluminum with components made of stainless steel. The housing box to be powder coated to match the upper body white.

The unit shall measure 16' long x 5-1/4" deep x 7-3/8" high. The awning shall project outward 9' - 9" and will be mounted slightly lower in the rear to add in drainage.

The G-2000 will deploy and retract using a 110V AC motor with manual override (to retract awning in the event of a power failure). The controls shall be located in compartments S1 for a streetside awning, and C1 for a curbside awning.

The awning shall have a system to detect canopy motion. The awning shall automatically retract when the canopy reaches a certain level of movement. The G-2000 has a Limited Lifetime Warranty.

- The awning fabric color shall be red.

The specified awning above shall be surface mounted to upper body side. The awning shall add approximately 5.75" to body width.

**AWNING HOUSING COLOR**

The awnings standard white housing color shall be re-painted to match upper body color.

**REAR ROLL-OUT AWNING**

The upper rear of truck shall be equipped with a Girard G-208505 Automatic Retractable Lateral Arm wall mount awning.

The cassette housing is made of corrosion-resistant, powder-coated extruded aluminum with components made of stainless steel. The housing box shall be powder coated white.

The unit shall measure eight 8' x 5-1/4" deep x 7-3/8" high. The awning shall project outward 5'.

The G-208505 shall deploy and retract using a 12V DC motor with the power controls located in compartment RC1.

The awning shall activate the door ajar warning system in the cab when not in the stowed position.

- The awning fabric color shall be red.

**AWNING HOUSING COLOR**

The awnings standard white housing color shall be re-painted to match upper body color.



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**AWNINGS LOCATIONS**

All the awnings listed above will be mounted at the same heights on the body.

**ROOF ACCESS HATCH COVER**

One (1) roof access hatch cover shall be provided in the roof structure to allow for installation or removal of large equipment into the compartment area. The roof around the hatch opening shall be reinforced as necessary to prevent deflection in the roof area. The hatch cover shall overlap a 2" vertical lip on the body roof to prevent entry of moisture. It shall be sealed with automotive type rubber molding to provide a weather resistant seal.

The hatch cover shall have a lift-up type door hinged on the front side. The door shall be fabricated from 3/16" aluminum treadplate with a pair of pneumatic type cylinders mounted to hold the door in the open position. The door shall be mounted using a full length 14 gauge stainless steel hinge, with 1/4" stainless steel pin. A polyester barrier film gasket shall be placed between the stainless steel hinge and any dissimilar metals as necessary to prevent corrosion.





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## LOW VOLTAGE ELECTRICAL SYSTEM- 12 VDC

### General

Any low voltage electrical systems or warning devices installed on the fire apparatus shall be appropriate for the mounting location and intended electrical load.

Where wire passes through sheet metal, grommets shall be used to protect wire and wire looms. Electrical connections shall be with double crimp water-tight heat shrink connectors.

All 12 VDC wiring running from front to back of vehicle body shall be run in full length electrical wiring raceway down each side of body.

### Wiring

All electrical circuit feeder wiring supplied and installed by the fire apparatus manufacturer shall meet the requirements of NFPA Chapter 13.

The circuit feeder wire shall be stranded copper or copper alloy conductors of a gauge rated to carry 125% of the maximum current for which the circuit is protected. Voltage drops in all wiring from the power source to the using device shall not exceed 10%. The use of star washers for circuit ground connections shall not be permitted.

All circuits shall otherwise be wired in conformance with SAE J1292, *Automobile, Truck, Truck-Tractor, Trailer, and Motor Coach Wiring*.

### Wiring and Wire Harness Construction

All insulated wire and cable shall conform to SAE J1127, *Low Voltage Battery Cable*, or SAE J1128, *Low Voltage Primary Cable*, type SXL, GXL, or TXL.

All conductors shall be constructed in accordance with SAE J1127 or SAE J1128, except where good engineering practice dictates special strand construction. Conductor materials and stranding, other than copper, shall be permitted if all applicable requirements for physical, electrical, and environmental conditions are met as dictated by the end application. Physical and dimensional values of conductor insulation shall be in conformance with the requirements of SAE J1127 or SAE J1128, except where good engineering practice dictates special conductor insulation. The overall covering of conductors shall be moisture-resistant loom or braid that has a minimum continuous rating of 194°F (90°C) except where good engineering practice dictates special consideration for loom installations exposed to higher temperatures. The overall covering of jacketed cables shall be moisture resistant and have a minimum continuous temperature rating of 194°F (90°C), except where good engineering practice dictates special consideration for cable installations exposed to higher temperatures.

All wiring connections and terminations shall use a method that provides a positive mechanical and electrical connection. The wiring connections and terminations shall be installed in accordance with the device manufacturer's instructions. All ungrounded electrical terminals shall have protective covers or be in enclosures. Wire nut, insulation displacement, and insulation piercing connections shall not be used.





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Wiring shall be restrained to prevent damage caused by chafing or ice buildup and protected against heat, liquid contaminants, or other environmental factors.

Wiring shall be uniquely identified at least every 2 ft (0.6 m) by color coding or permanent marking with a circuit function code. The identification shall reference a wiring diagram.

Circuits shall be provided with properly rated low voltage over-current protective devices. Such devices shall be readily accessible and protected against heat in excess of the over-current device's design range, mechanical damage, and water spray. Circuit protection shall be accomplished by utilizing fuses, circuit breakers, fusible links, or solid state equivalent devices.

If a mechanical-type device is used, it shall conform to one of the following SAE standards:

- SAE J156, *Fusible Links*
- SAE J553, *Circuit Breakers*
- SAE J554, *Electric Fuses (Cartridge Type)*
- SAE J1888, *High Current Time Lag Electric Fuses*
- SAE J2077, *Miniature Blade Type Electrical Fuses*

Switches, relays, terminals, and connectors shall have a direct current (dc) rating of 125% of maximum current for which the circuit is protected.

#### Power Supply

A 12 V or greater electrical alternator shall be provided. The alternator shall have a minimum output at idle to meet the minimum continuous electrical load of the vehicle, at 200°F (93°C) ambient temperature within the engine compartment, and shall be provided with full automatic regulation.

#### Minimum Continuous Electrical Load

The minimum continuous electrical load shall consist of the total amperage required to simultaneously operate the following in a stationary mode during emergency operations:

- The propulsion engine and transmission
- All legally required clearance and marker lights, headlights, and other electrical devices except windshield wipers and four-way hazard flashers
- The radio(s) at a duty cycle of 10 percent transmit and 90% receive (for calculation and testing purposes, a default value of 5 A continuous)
- The lighting necessary to produce 2 fc (20 lx) of illumination on all walking surfaces on the apparatus and on the ground at all egress points onto and off the apparatus, 5 fc (50 lx) of illumination on all control and instrument panels, and 50 percent of the total compartment lighting loads
- The minimum optical warning system, where the apparatus is blocking the right-of way
- The continuous electrical current required to simultaneously operate any fire pumps, aerial devices, and hydraulic pumps
- Other warning devices and electrical loads defined by the purchaser as critical to the mission of the apparatus



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If the apparatus is equipped to tow a trailer, an additional 45 A shall be added to the minimum continuous electrical load to provide electrical power for the federally required clearance and marker lighting and the optical warning devices mounted on the trailer.

The condition of the low voltage electrical system shall be monitored by a warning system that provides both an audible and a visual signal to persons on, in, or near the apparatus of an impending electrical system failure caused by the excessive discharge of the battery set.

The charge status of the battery shall be determined either by direct measurement of the battery charge or indirectly by monitoring the electrical system voltage.

If electrical system voltage is monitored, the alarm shall sound if the system voltage at the battery or at the master load disconnect switch drops below 11.8 V for 12 V nominal systems, 23.6 V for 24 V nominal systems, or 35.4 V for 42 V nominal systems for more than 120 seconds.

A voltmeter shall be mounted on the driver's instrument panel to allow direct observation of the system voltage.

#### Electromagnetic Interference

Electromagnetic interference suppression shall be provided, as required, to satisfy the radiation limits specified in SAE J551/1, *Performance Levels and Methods of Measurement of Electromagnetic Compatibility of Vehicles, Boats (up to 15 m), and Machines (16.6 Hz to 18 GHz)*.

#### Wiring Diagram

A complete electrical wiring schematic of actual system shall be provided with finished apparatus. Similar or generic type electrical schematics shall NOT BE ACCEPTABLE.

#### Low Voltage Electrical System Performance Test

A low voltage electrical system test certification shall be provided with delivered apparatus.

### **12 VOLT MULTIPLEX CONTROL CENTER**

The apparatus shall be equipped with a Weldon V-MUX multiplexed 12 volt electrical system that will provide complete diagnostic capability, No Exception. The system shall have the capability of delivering multiple signals via a CAN bus, utilizing specifications set forth by SAE J1939. The system shall be node based to maximize stability so that failure of one node does not affect the operation of the other nodes. The system shall use shielded twisted-pair wire for transmission of system function signals. The shielded wire shall provide protection against EMI and RFI noise interruptions.

The multiplex system shall be responsible for providing power management functions as well as load shedding. The warning light system shall be controlled by the multiplex system. The system shall be capable of displaying text and/or graphic messages on a display module. The system shall be based on solid-state technology and shall include self-contained diagnostic indicators.





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**Outputs:**

The outputs shall perform all the following items without added modules to perform any of the tasks;

1. **Load Shedding:** The system shall have the capability to load shed with 8 levels any output. This means you can specify which outputs (barring NFPA restrictions) you would like load shed. Level 1 12.9v, Level 2 12.5V, Level 3 - 12.1V, Level 4 - 11.7V, Level 5 11.3V, Level 6 10.9V, Level 7 10.5, Level 8 10.1. Unlike conventional load shedding devices you can assign a level to any or all outputs.
2. **Load Sequencing:** The system shall be able to sequence from 0 8 levels any output. With 0 being no delay and 1 being a 1 second delay, 2 being a 2 second delay and so on. Sequencing reduces the amount of voltage spikes and drops on your vehicle, and can help limit damage to your charging system.
3. **Output Device:** The system shall have solid-state output devices. Each solid-state output shall be a MOS-FET (Metal Oxide Semiconductor - Field Effect Transistors); MOS-FETs are solid-state devices with no moving parts to wear out. A typical relay when loaded to spec has a life of 100,000 cycles. The life of a FET is more than *100 times* that of a relay.
4. **Flashing Outputs:** The system shall be able to flash any output in either A or B phase, and logic is used to shut down needed outputs in park, or any one of several combined interlocks. The flash rate can be selected at either 80, 160 or 200 FPM. This means any light can be specified with a multiplex truck with no need to add flashers. Flashing outputs can also be used to warn of problems or other unique idea you may come up with.
5. **PWM:** The modules shall have the ability to PWM at some outputs so that a headlight PWM module is not needed.
6. **Diagnostics:** An output should be able to detect either a short or open circuit. The system should be able report in "real time" a text based message that points the maintenance person to a specific output.

**Inputs:**

1. The inputs shall have the ability to switch by a ground or vbatt signal.
2. The inputs shall be filtered for noise suppression via hardware and software so that RF or dirty power will not trick an input into changing its status.

**Auto-Throttle:**

The multiplex system shall be able to perform automatic high idle via a network gateway or by using an existing output on a module to provide the proper signals to an OEM Engine ECU. This task should be handled with existing inputs and outputs.



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**Displays:**

Displays shall be able to provide real time information regarding load shedding and system status, such as network traffic/errors or shorts and open circuits.

**System Network:**

The multiplex system shall contain a Peer-to-Peer network. A Master Slave Type network is not suitable for this type of unit. A Peer-to-Peer network means that all the modules are equal on the network; a Master is not needed to tell other nodes when to talk, **No Exceptions.**

**System Reliability:**

The multiplex system shall be able to perform in extreme temperature conditions, from 40° to +85° C (-40° to +185° F.) The system shall be sealed against the environment, moisture, humidity, salt or fluids such as diesel fuel, motor oil or brake fluid. The enclosures shall be rugged to withstand being mounted in various locations or compartments around the vehicle. The modules shall be protected from over voltage and reverse polarity.

**WELDON CERTIFICATION**

A letter shall be provided with bid submittal that the Contractor has successfully completed the Weldon training requirements for Level 1 of the V-MUX Certified Supplier Program and is authorized to design, build, and service V-MUX electrical systems.

**MULTIPLEX SYSTEM INTERFACE DISPLAY**

Two (2) Weldon V-MUX Vista IV multiplex system interface display(s) with push-button control shall be provided in cab easily accessible to driver and/or passenger. The full-color Vista interface display allows the user to control warning and scene lighting, HVAC controls (when specified), and view on-board diagnostics including service information. This display has a wide operating temperature range, automatic screen switching in response to current conditions, and a sleep mode option to eliminate night glare. The following features shall be included;

- 800 x 480 resolution
- Four video ports
- Flash updates with USB memory stick
- Display inside and outside temperature (when specified)
- Automatic climate control (when specified)
- 100% Configurable (OEM Level)
- Field re-programmable
- Peer to peer network
- On-board diagnostics / service information
- Colors change to indicate button status
- Video Ready for: Backup camera, Thermal camera, DVD, GPS...





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### **SECONDARY VISTA SCREEN**

The secondary Weldon V-MUX Vista IV multiplex system interface display with push-button control shall be provided in compartment RC1 easily accessible.

The full-color Vista interface display allows the user to control warning and scene lighting, HVAC controls (when specified), and view on-board diagnostics including service information.

The V-Mux display shall be located in the cab center console for control of all master and emergency lights.

### **CAB CONSOLE**

A center cab console shall be provided between the Driver's and Officer's seats. Console shall be as large as possible and fabricated of 1/8" smooth aluminum. A textured powder coat paint finish shall be provided for durability and finished appearance.

The rear portion of the console shall be provided with open top storage for notebooks or maps. Two (2) adjustable dividers shall be provided in the storage area. The forward portion of console shall be slanted for easy viewing of the V-Mux display screen, and any siren or radio equipment. The area shall be within easy access to both Driver and Officer.

The final design of console shall be determined by the Santa Fe Springs Fire Department at the pre-construction meeting.

### **BATTERY SYSTEM**

The battery connectors shall be heavy duty type with cables terminating in heat shrink loom. Heavy duty battery cables shall provide maximum power to the electrical system. Where required, the cables shall be shielded from exhaust tubing and the muffler. Large rubber grommets shall be provided where cables enter the battery compartment.

Batteries shall be of the high-cycle type. With the engine off, the battery system shall be able to provide the minimum continuous electrical load for 10 minutes without discharging more than 50 percent of the reserve capacity and then to restart the engine. The battery system cold cranking amps (CCA) rating shall meet or exceed the minimum CCA recommendations of the engine manufacturer. The batteries shall be mounted to prevent movement during fire apparatus operation and shall be protected against accumulations of road spray, snow, and road debris. The batteries shall be readily accessible for examination, testing, and maintenance.

A means shall be provided for jump-starting the engine if the batteries are not accessible without lifting the cab of a tilt-cab apparatus.

Where an enclosed battery compartment is provided, it shall be ventilated to the exterior to prevent the buildup of heat and explosive fumes. The batteries shall be protected against vibration and temperatures that exceed the battery manufacturer's recommendation.



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An onboard battery conditioner or charger or a polarized inlet shall be provided for charging all batteries. Where an onboard conditioner or charger is supplied, the associated line voltage electrical power system shall be installed in accordance with Chapter 22.



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One of the following master disconnect switches shall be provided:

- A master body disconnect switch that disconnects all electrical loads not provided by the chassis manufacturer
- A master load disconnect switch that disconnects all electrical loads on the apparatus except the starter

Electronic control systems and similar devices shall be permitted to be otherwise connected if so specified by their manufacturer.

The alternator shall be wired directly to the batteries through the ammeter shunt(s), if one is provided, and not through the master load disconnect switch.

A green "battery disconnect on" indicator light that is visible from the driver's position shall be provided.

Rechargeable hand lights, radios, and other similar devices shall be permitted to be connected to the electrical system ahead of the master disconnect switch.

A sequential switching device shall be permitted to energize the optical warning devices and other high current devices required in minimum continuous electrical load, provided the switching device shall first energize the electrical devices required in minimum continuous electrical load within 5 seconds.

#### **BATTERY SWITCH**

One (1) battery "On/Off" switch in cab located within easy reach of Driver with green "BATTERY ON" pilot light that is visible from the driver's position shall be provided.

#### **BATTERY SOLENOID**

Battery switch shall consist of a minimum 200 ampere, constant duty solenoid to feed from positive side of battery.

#### **BATTERY CONDITIONER**

One (1) Kussmaul model Auto Charge 1000 single battery conditioner, with 120 VAC input and 15 amp, 12 volt output shall be provided. This system shall monitor the condition of batteries and provide an electrical current at variable rates to overcome battery failure. A display shall be provided and located on the driver side front body face within in easy sight from the ground.

The display will be a Kussmaul model #091-194B-IND-WT-XX





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### **SHORE POWER INLET**

One (1) Kusssmaul 120 VAC, 20 amp Super Auto-Eject shore power inlet(s) shall be provided. The shore power connection shall automatically disengage from vehicle when chassis ignition is engaged.

The protective ground from the shoreline inlet shall be bonded to the vehicle frame.

- The outlet cover shall be red.
- The shore power plug shall be located near the Driver door area step towards the back of the cab so to not interfere with egress to and from the cab.

### **ENGINE COMPARTMENT LIGHT**

There shall be one (1) light(s) mounted in the engine compartment with integral switch with a light output of at least 20 candlepower (250 lumens). The engine compartment light(s) shall operate only when the master battery switch is turned "On".

### **CAB HAZARD WARNING LIGHT**

A red Whelen LIN3 Series Super-LED model # RSR02ZCR shall be, located in the driving compartment, shall be illuminated automatically whenever the vehicles parking brake is not fully engaged and any of the following conditions exist:

- Any passenger or equipment compartment door is not closed.
- Any ladder or equipment rack is not in the stowed position.
- Stabilizer system is not in its stowed position.
- Powered light tower is not stowed.
- Any other device permanently attached to the apparatus is open, extended, or deployed in a manner that is likely to cause damage to the apparatus if the apparatus is moved.

Compartments and equipment meeting all of the following conditions shall be permitted to be exempt from being wired to the hazard light:

- The volume is less than or equal to 4 ft<sup>3</sup> (0.1 m<sup>3</sup>).
- The compartment has an opening less than or equal to 144 in.<sup>2</sup> (92,900 mm<sup>2</sup>).
- The open door does not extend sideways beyond the mirrors or up above the top of the fire apparatus.
- All equipment in the compartment is restrained so that nothing can fall out if the door is open while the apparatus is moving.
- Manually raised pole lights with an extension of less than 5 ft (1.5 m).

The hazard light shall be labeled "DO NOT MOVE APPARATUS WHEN LIGHT IS ON".

An audible alarm shall be provided for the door ajar light.





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### **BACK-UP ALARM**

An electronic back-up alarm shall be supplied and installed by the cab/chassis manufacturer. The back-up alarm shall actuate automatically when the transmission gear selector is placed in reverse.

### **REAR VIEW CAMERA**

There shall be one (1) ASA Voyager rear observation camera system provided and installed on completed unit. The system shall include one (1) model VCC150 high resolution CCD color camera installed on the rear body.

The camera(s) shall be wired to the cab/chassis supplied Weldon Vista display(s). The rear camera shall activate when the transmission is placed in reverse. If a right camera is provided it shall activate with the right side turn signal and if a left camera is provided it shall activate with the left side turn signal. All camera(s) shall also be activated by a button on the Vista display(s).

### **TAIL LIGHTS**

Rear body tail lights shall be vertically mounted and located per Federal Motor Vehicle Safety Standards, FMVSS and Canadian Motor Vehicle Safety Standards CMVSS. The following lights shall be furnished;

- Two (2) Whelen specified lower Zone "C" warning lights
- Two (2) Whelen M6 Series M6BTT red LED stop/tail lights
- Two (2) Whelen M6 Series M6T amber LED turn signal lights
- Two (2) Whelen M6 Series M6BUW LED back-up lights with clear lens

Each of the lights above shall be mounted in an M6FCV4, 4-light chrome finish bezels.

### **MIDSHIP MARKER/TURN SIGNAL**

Two (2) Whelen model T0A00MAR 2" round amber LED midship body clearance marker/turn signal lights shall be provided and installed, one (1) light on each side of the body, in forward wheel well of rear axle. Midship marker/turn lights shall be wired to the headlight circuit of the chassis.

### **MARKER LIGHTS**

The body shall be equipped with all necessary clearance lights and reflectors in accordance with Federal Motor Vehicle Safety Standards (FMVSS) and Canadian Motor Vehicle Safety Standards (CMVSS) regulations. All body clearance lights shall be Truck-Lite Model 18 LED to reduce the need for maintenance and lower the amp draw. Clearance lights shall be wired to the headlight circuit of the chassis.



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### **CAB STEP LIGHTS / GROUND LIGHTS**

There shall be two (2) OnScene 8" Access LED light(s) installed on the vehicle capable of providing illumination at a minimum level of 2 fc (20 lx) on ground areas within 30 in. (800 mm) of the edge of the vehicle in areas designed for personnel to climb onto or descend from the vehicle to the ground level.

Lighting designed to provide illumination on areas under the driver and crew riding area exits shall be switchable but activated automatically when the exit doors are opened.

### **LICENSE PLATE MOUNTING BRACKET**

There shall be one (1) Cast Products aluminum license plate mounting with chrome shielded license plate light mounted on the rear of the body.

### **ELECTRONIC SIREN**

One (1) Whelen model 295SLSA1 electronic siren control with selectable 100 or 200 watt output, hands-free operation, user selectable siren tones, park kill, and standard hard wired microphone shall be provided and installed in cab within easy reach of Driver. Siren power shall be wired through the master warning light switch.

A switch shall be provided at the 12 volt control panel so that the steering wheel horn ring can be used to activate electronic siren.

### **SIREN SPEAKER**

Two (2) Cast Products Inc. model SA4311, 100 watt siren speaker shall be provided recessed in the front bumper, one (1) on the streetside and one (1) on the curbside.

### **SIDE SCENE LIGHTS**

There shall be four (4) Whelen M9LZC series (9" x 7") surface mounted Super-LED scene light(s) provided on the upper body. Light quantity shall be divided equally per side. Each light will have an 8-32 degree gradient lens and chrome flange.

Two (2) switches shall be provided, one (1) for the streetside scene lights, and one (1) for the curbside scene lights.

The lights shall be switched at the Vista display in the cab.



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### **REAR SCENE LIGHTS**

Two (2) Whelen M9LZC series (9" x 7") surface mounted Super-LED scene lights shall be provided on the upper rear body to light the work area. Each light will have a 8-32 degree gradient lens and chrome flange.

The above scene lights shall light to a level of at least 3 fc (30 lx), measured at 25 equally spaced points on a 2.5 ft (750 mm) grid with in a 10 ft x 10 ft (3 m x 3m) square to the rear of vehicle.

The lights shall be switched at the Vista display in the cab.

The rear scene lights shall also be activated when the apparatus is in reverse.

### **SIGTRONICS INTERCOM SYSTEM**

The following Sigtronics intercom system shall be provided and installed to improve the safety of firefighters and rescue professionals through enhanced communication and hearing protection. System shall have the following major components as minimum;

- One (1) US45S Single radio intercom system
- Three (3) PTT Stations - Driver, Officer and compartment RC1 at fill-station
- One (1) intercom jack at driver side rear exterior body panel recess mounted so just the plug/cover is exposed
- Two (2) SE-8 Headsets

### **INTERCOM SYSTEM INSTALLATION**

The above listed intercom system shall be installed in the cab locations as follows;

#### **Front of Cab**

- Driver's            - Mounted above the right shoulder position on ceiling.
- Officer's        - Mounted above the left shoulder position on ceiling.





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**WARNING LIGHT PACKAGE**

Each apparatus shall have a system of optical warning devices that meets or exceeds the requirements of this section.

The optical warning system shall consist of an upper and a lower warning level. The requirements for each level shall be met by the warning devices in that particular level without consideration of the warning devices in the other level.

For the purposes of defining and measuring the required optical performance, the upper and lower warning levels shall be divided into four (4) warning zones. The four zones shall be determined by lines drawn through the geometric center of the apparatus at 45 degrees to a line drawn lengthwise through the geometric center of the apparatus. The four (4) zones shall be designated A, B, C, and D in a clockwise direction, with zone A to the front of the apparatus.

Each optical warning device shall be installed on the apparatus and connected to the apparatus's electrical system in accordance with the requirements of this standard and the requirements of the manufacturer of the device.

A master optical warning system switch that energizes all the optical warning devices shall be provided.

The optical warning system on the fire apparatus shall be capable of two (2) separate signaling modes during emergency operations. One (1) mode shall signal to drivers and pedestrians that the apparatus is responding to an emergency and is calling for the right-of-way. One (1) mode shall signal that the apparatus is stopped and is blocking the right-of-way. The use of some or all of the same warning lights shall be permitted for both modes provided the other requirements of this chapter are met.

A switching system shall be provided that senses the position of the parking brake or the park position of an automatic transmission. When the master optical warning system switch is closed and the parking brake is released or the automatic transmission is not in park, the warning devices signaling the call for the right-of-way shall be energized. When the master optical warning system switch is closed and the parking brake is on or the automatic transmission is in park, the warning devices signaling the blockage of the right-of-way shall be energized. The system shall be permitted to have a method of modifying the two (2) signaling modes.

The optical warning devices shall be constructed or arranged so as to avoid the projection of light, either directly or through mirrors, into any driving or crew compartment(s). The front optical warning devices shall be placed so as to maintain the maximum possible separation from the headlights.

Steadily burning, non flashing optical sources shall be permitted to be used.





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### UPPER LEVEL OPTICAL WARNING DEVICES

The upper-level optical warning devices shall be mounted as high and as close to the corner points of the apparatus as is practical to define the clearance lines of the apparatus. The upper-level optical warning devices shall not be mounted above the maximum height, specified by the device manufacturer.

#### ZONE A - FRONT WARNING LIGHTS

There shall be one (1) Whelen Edge F4N0QLED LED 60" lightbar permanently mounted to the cab roof.

All clear lights shall shut down when the parking brake is set to comply with "Blocking" mode requirements as outlined in NFPA 1901.

The Lightbar shall match the Santa Fe Springs Fire Department provided layout:

The lightbar shall be separately switched at the vista display in the cab.

The lightbar shall be supplied with one (1) steady burn red LED light on driver's side to comply with California DOT requirements.

#### GTT OPTICOM

A GTT 795H Opticom emitter light shall be provided inside specified light bar. The Opticom option may replace specified light(s) in specified light bar. The Opticom shall be activated with light bar and de-activated when the park brake is set and the vehicle is in blocking mode.

#### ZONES B AND D - SIDE WARNING LIGHTS

##### UPPER REAR CORNER WARNING LIGHTS

There shall be two (2) Whelen M9 series Red Linear Super-LED lights (M9RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.

##### UPPER FORWARD CORNER WARNING LIGHTS

There shall be two (2) Whelen M9 series Red Linear Super-LED lights (M9RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.



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**ZONE C - REAR WARNING LIGHTS**

There shall be two (2) Whelen M9 series Red Linear Super-LED lights (M9RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.

**LOWER LEVEL OPTICAL WARNING DEVICES**

To define the clearance lines of the apparatus, the optical center of the lower-level optical warning devices in the front of the vehicle shall be mounted on or forward of the front axle centerline and as close to the front corner points of the apparatus as is practical.

The optical center of the lower-level optical warning devices at the rear of the vehicle shall be mounted on or behind the rear axle centerline and as close to the rear corners of the apparatus as is practical. The optical center of any lower-level device shall be between 18 in. and 62 in. (460 mm and 1600 mm) above level ground for large apparatus, and 18 in. and 48 in. (460 mm and 1600 mm) above level ground.

A midship optical warning device shall be mounted right and the left sides of the apparatus if the distance between the front and rear lower-level optical devices exceeds 25 ft (7.6 m) at the optical center. Additional midship optical warning devices shall be required, where necessary, to maintain a horizontal distance between the centers of adjacent lower-level optical warning devices of 25 ft (7.6 m) or less. The optical center of any midship mounted optical warning device shall be between 18 in. and 62 in. (460 mm and 1600 mm) above level ground.

**ZONE A - FRONT WARNING LIGHTS**

There shall be two (2) Whelen M6 series Red Linear Super-LED lights (M6RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.

**ZONES B AND D - CAB INTERSECTOR LIGHT (CAB FRONT CORNERS)**

There shall be two (2) Whelen M6 series Red Linear Super-LED lights (M6RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.

**ZONES B AND D - BODY INTERSECTOR LIGHT (BODY WHEELWELL AREA)**

There shall be two (2) Whelen M6 series Red Linear Super-LED lights (M6RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.



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ZONES B AND D - BODY INTERSECTOR LIGHT (BODY REAR CORNERS)

There shall be two (2) Whelen M7 series Red Linear Super-LED lights (M7RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.

ZONE C - REAR WARNING LIGHTS (LOWER REAR CORNERS)

There shall be two (2) Whelen M6 series Red Linear Super-LED lights (M6RC) provided, one (1) each side. Each light shall have a clear lens and chrome flange.

The lights shall be switched at the Vista display in the cab.





## **LINE VOLTAGE ELECTRICAL SYSTEM**

### **LIMA PTO GENERATOR**

The vehicle shall be equipped with a Lima MAC 360 series, single bearing generator system with a capacity of 40,000 watts at 120/208 volt, 3-phase. Current frequency shall be stable at 60 hertz.

The transmission's PTO port and PTO, or the split shaft PTO, and all associated drive shaft components shall be rated to support the continuous duty torque requirements of the generator's continuous duty rating as stated on the power source nameplate.

Where the generator is driven by the chassis engine and transmission through a split shaft PTO, the driving compartment speedometer shall register when the generator drive system is engaged.

Where the generator is driven by the chassis engine and transmission through a split shaft PTO and a chassis transmission retarder is furnished, it shall be automatically disengaged for generator operations.

The direct drive generator shall be mounted so that it does not change the ramp break-over angle, angle of departure, or angle of approach as defined by other components, and it shall not extend into the ground clearance area.

The direct drive generator shall be mounted away from exhaust and muffler areas or provided with a heat shield to reduce operating temperatures in the generator area.

### **GENERATOR BONDING**

A minimum of four (4) 16" x 2 gauge copper ground straps shall be bolted to body sub-frame and chassis sub-frame for proper bonding of high voltage system. The conductor shall have a minimum amperage rating, as defined in 310.15, "Ampacities for Conductors Rated 0–2000 Volts," of *NFPA 70*, of 115 percent of the rated amperage on the power source specification label.

### **GENERATOR ENGAGEMENT**

A "Generator Engaged" indicator shall be provided in the driving compartment to indicate that the generator shift has been successfully completed.

An "OK to Operate Generator" indicator shall be provided in the driving compartment to indicate that the generator is engaged (if not always engaged), the transmission is in the proper gear (if required, automatic transmissions only), and the parking brake is engaged (if applicable).

An interlock system shall be provided to prevent advancement of the engine speed in the driving compartment or at any operator's panel unless the parking brake is engaged, and the transmission is in neutral or the output of the transmission is correctly connected to a pump or generator instead of the drive wheels.





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### **WARRANTY PERIOD**

Provided such goods are operated and maintained in accordance with Marathon's written instruction; Marathon warrants that the MAC series PTO continuous duty generators shall be free from defects in material and workmanship for a period of one (1) year, from the date of delivery to the first purchaser.

The generator shall be engaged at the driver's Vista display in the cab.

### **GENERATOR MOUNTING**

The generator shall be mounted between the chassis frame rails. The generator mounting brackets shall be fabricated using heavy duty steel tubing, or structural channel. The generator mounting shall be bolted and removable so that the generator can be lowered from under apparatus for service, if necessary. The generator case shall not extend below the bottom edge of the apparatus body.

### **POWER-TAKE-OFF GENERATOR DRIVE**

There shall be a "Hot Shift" power-take-off (PTO) installed on the transmission PTO opening of the chassis. The "Hot Shift" PTO is provided to allow the engagement of the PTO at higher engine RPM speeds. The PTO output shall be connected to the generator through hollow tube type driveline with heavy duty universals.

The engagement of the PTO shall be in the chassis cab with a rocker switch and red pilot light to note engagement of the PTO or via the V-Mux screen if so equipped.

The power supply to the PTO engagement control shall be wired to the parking brake and a neutral position transmission switch to prevent engagement unless the vehicle is stopped and transmission has been placed in neutral.

The installation of the engine, transmission, driven accessories (power takeoffs (PTO), etc.) shall meet the engine and transmission manufacturers' installation recommendations for the service intended.

Model part number shall be Chelsea 280GKFJP-B5XV, 164% Ratio.

### **ENGINE SPEED CONTROL**

An engine speed auxiliary control device (high idle switch or throttle) shall be installed to maintain a stable cycle output from generator when the apparatus is parked.

An interlock shall prevent the operation of the engine speed auxiliary control device unless the parking brake is engaged and the transmission is in neutral or park, or the parking brake is engaged and the engine is disengaged from the drive wheels.

The engine shall be prevented from regulating its own engine speed during times when engine rpm control is critical for consistent apparatus functions such as generator, water pump, or aerial operation.



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**LOADCENTER**

The loadcenter shall be an Eaton BR Series specifically designed for protection and distribution of AC line voltage such as lighting and small motor branch circuits. The loadcenter enclosure is made of 16 gauge galvanized sheet steel with a galvanized coating provided for corrosion protection. All trims used on BR loadcenters are chromate sealed and finished with an electro-disposition epoxy paint (ANSI-61) which exceeds requirements for outdoor and indoor applications. A combination surface/flush cover with integral door is supplied with indoor loadcenters rated from 100 through 400 amperes. All plug-in loadcenters are CSA listed to file LL98266. CSA Certified to C22.2 No.29, to loadcenter type and CSA listing.

**GENERATOR MONITORING PANEL**

To properly monitor the generator performance and load demand during operation, the generator installation shall be equipped with a full instrument monitor panel.

- Generator frequency in hertz
- Line voltage, phase to neutral or phase to phase, in volts
- Line current in amperes

Individual line current and voltage shall be displayed at the push of a button.

The program shall support the accumulation of elapsed generator hours. Generator hours shall be displayed.

**SHORE POWER INLET - BATTERY CHARGER**

Shore power shall be wired to all primary 120 VAC, 20 ampere electrical outlets on apparatus (maximum of two (2) circuits). Circuits shall be provided with circuit breaker protection with either generator or shore power providing power.

**OUTLETS AND CIRCUITS**

The generator and or shore power shall supply the 120/240 volt electrical equipment and outlets outlined below. Proper circuit protection shall be installed as noted:

- Two (2) 120 volt exterior outlets, one (1) each side rear of body.
- The outlet receptacle(s) shall be 20 amp, twist-lock (NEMA L5-20R).





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## LINE VOLTAGE ELECTRICAL SYSTEM

### GENERAL REQUIREMENTS

#### Stability

Any fixed line voltage power source producing alternating current (ac) shall produce electric power at 60 Hz,  $\pm 3$  Hz when producing power at all levels between no load and full rated power. Any fixed line voltage power source shall produce electric power at the rated voltage  $\pm 10$  percent when producing power at all levels between no load and full rated power.

The maximum voltage supplied to portable equipment shall not exceed 275 volts to ground. Higher voltage shall be permitted only when used to operate fixed wired, permanently mounted equipment on the apparatus.

#### Conformance with National Electrical Code

All components, equipment, and installation procedures shall conform to *NFPA 70, National Electrical Code*, except where superseded by the requirements of this chapter. Where the requirements of this chapter differ from those in *NFPA 70*, the requirements in this chapter shall apply.

Where available, line voltage electrical system equipment and materials included on the apparatus shall be listed and used only in the manner for which they have been listed. All equipment and materials shall be installed in accordance with the manufacturer's instructions.

#### Location Ratings

Any equipment used in a dry location shall be listed for dry locations. Any equipment used in a wet location shall be listed for wet locations.

Any equipment, except a PTO-driven generator, used in an underbody or under chassis location that is subject to road spray shall be either listed as Type 4 or mounted in an enclosure that is listed as Type 4.

If a PTO-driven generator is located in an underbody or under chassis location, the installation shall include a shield to prevent road spray from splashing directly on the generator.



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### Grounding

Grounding shall be in accordance with 250.34(A) and 250.34(B) of *NFPA 70*. Ungrounded systems shall not be used.

Only stranded or braided copper conductors shall be used for grounding and bonding.

The grounded current-carrying conductor (neutral) shall be insulated from the equipment-grounding conductors and from the equipment enclosures and other grounded parts.

The neutral conductor shall be colored white or gray in accordance with 200.6, "Means of Identifying Grounded Conductors," of *NFPA 70*.

Any bonding screws, straps, or buses in the distribution panel board or in other system components between the neutral and equipment-grounding conductor shall be removed and discarded.

### Bonding

The neutral conductor of the power source shall be bonded to the vehicle frame. The neutral bonding connection shall occur only at the power source. In addition to the bonding required for the low voltage return current, each body and each driving or crew compartment enclosure shall be bonded to the vehicle frame by a copper conductor.

The conductor shall have a minimum ampere rating, as defined in 310.15, "Ampacities for Conductors Rated 0–2000 Volts," of *NFPA 70*, of 115 percent of the rated ampere on the power source specification label.

A single conductor that is sized to meet the low voltage and line voltage requirements shall be permitted to be used.

### Ground Fault Circuit Interrupters

In special service vehicles incorporating a lavatory, sink, toilet, shower, or tub, 120 V, 15 or 20 A receptacles within 6 ft (1.8 m) of these fixtures shall have ground fault circuit interrupter (GFCI) protection. GFCIs integrated into outlets or circuit breakers or as stand-alone devices shall be permitted to be used in situations.

### Power Source General Requirements

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

The power source shall be shielded from contamination that would prevent the power source from operating within its design specifications.





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### Power Source Rating

For power sources of 8 kW or larger, the power source manufacturer shall declare the continuous duty rating that the power source can provide when installed on fire apparatus according to the manufacturer's instructions and run at 120°F (49°C) air intake temperature at 2000 ft (600 m) above sea level.

The rating on the power source specification label shall not exceed the declared rating from the power source manufacturer.

Access shall be provided to permit both routine maintenance and removal of the power source for major servicing. The power source shall be located such that neither it nor its mounting brackets interfere with the routine maintenance of the fire apparatus.

### Instrumentation

If the power source is rated at less than 3 kW, a "Power On" indicator shall be provided. If the power source is rated at 3 kW or more but less than 8 kW, a voltmeter shall be provided.

If the power source is rated at 8 kW or more, the following instrumentation shall be provided at an operator's panel:

- Voltmeter
- Current meters for each ungrounded leg
- Frequency (Hz) meter
- Power source hour meter

The instrumentation shall be permanently mounted at an operator's panel. The instruments shall be located in a plane facing the operator. Gauges, switches, or other instruments on this panel shall each have a label to indicate their function.

The instruments and other line voltage equipment and controls shall be protected from mechanical damage and not obstructed by tool mounting or equipment storage.

An instruction plate(s) that provides the operator with the essential power source operating instructions, including the power-up and power-down sequence, shall be permanently attached to the apparatus at any point where such operations can take place.



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### Operation

Provisions shall be made for placing the generator drive system in operation using controls and switches that are identified and within convenient reach of the operator.

Where the generator is driven by the chassis engine and engine compression brakes or engine exhaust brakes are furnished, they shall be automatically disengaged for generator operations.

Any control device used in the generator system power train between the engine and the generator shall be equipped with a means to prevent unintentional movement of the control device from its set position in the power generation mode.

If there is permanent wiring on the apparatus that is designed to be connected to the power source, a power source specification label that is permanently attached to the apparatus at the operator's control station shall provide the operator with the information required.

The power source, at any load, shall not produce a noise level that exceeds 90 dBA in any driving compartment, crew compartment, or onboard command area with windows and doors closed or at any operator's station on the apparatus.

### Power Supply Assembly

The conductors used in the power supply assembly between the output terminals of the power source and the main over current protection device shall not exceed 12 ft (4 m) in length.

All power supply assembly conductors, including neutral and grounding conductors, shall have an equivalent amperage rating and shall be sized to carry not less than 115 percent of the amperage of the nameplate current rating of the power source.

If the power supply assembly connects to the vibrating part of a generator (not a connection on the base), the conductors shall be flexible cord or other fine-stranded conductors enclosed in metallic or nonmetallic liquid tight flexible conduit rated for wet locations and temperatures not less than 194°F (90°C).

### Over-current Protection

Manually re-settable over current devices shall be installed to protect the line voltage electrical system components.



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### Power Source Protection

A main over current protection device shall be provided that is either incorporated in the power source or connected to the power source by a power supply assembly.

The size of the main over current protection device shall not exceed 100 percent of the rated amperage stated on the power source specification label or the rating of the next larger available size over current protection device, where so recommended by the power source manufacturer.

If the main over current protection device is subject to road spray, the unit shall be housed in a Type 4-rated enclosure.

### Branch Circuit Over-current Protection

Over current protection devices shall be provided for each individual circuit and shall be sized at not less than 15 amps in accordance with 240.4, "Protection of Conductors," of *NFPA 70*.

Any panel board shall have a main breaker where the panel has six or more individual branch circuits or the power source is rated 8 kW or larger.

Each over current protection device shall be marked with a label to identify the function of the circuit it protects.

Dedicated circuits shall be provided for any large appliance or device (air conditioning units, large motors, etc.) that requires 60 percent or more of the rated capacity of the circuit to which it is connected, and that circuit shall serve no other purpose.

### Panelboards

All fixed power sources shall be hardwired to a permanently mounted panel board unless one of the following conditions exists:

- All line voltage power connections are made through receptacles on the power source and the receptacles are protected by integrated over current devices.
- Only one circuit is hardwired to the power source, which is protected by an integrated over current device.

The panel shall be visible and located so that there is unimpeded access to the panel board controls. All panel boards shall be designed for use in their intended location. The panel(s) shall be protected from mechanical damage, tool mounting, and equipment storage.

Where the power source is 120/240 V and 120 V loads are connected, the apparatus manufacturer or line voltage system installer shall consider load balancing to the extent that it is possible.





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### Wiring Methods

Fixed wiring systems shall be limited to the following:

- Metallic or nonmetallic liquid tight flexible conduit rated at temperatures not less than 194°F (90°C) with stranded copper wire rated for wet locations and temperatures not less than 194°F (90°C)
- Type SOW, SOOW, SEOW, or SEOOW flexible cord rated at 600 V and at temperatures not less than 194°F (90°C)

Electrical cord or conduit shall 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 and shall be arranged as follows:

- Separated by a minimum distance of 12 in. (300 mm) from exhaust piping or shielded from such piping
- Separated from fuel lines by a minimum distance of 6 in. (150 mm)

A means shall be provided to allow “flexing” between the driving and crew compartment, the body, and other areas or equipment whose movement would stress the wiring.

Electrical cord or conduit shall be supported within 6 in. (150 mm) of any junction box and at a minimum of every 24 in. (600 mm) of run.

Supports shall be made of nonmetallic materials or of corrosion-resistant or corrosion-protected metal. All supports shall be of a design that does not cut or abrade the conduit or cord and shall be mechanically fastened to the apparatus.

Only fittings and components listed for the type of cord or conduit being installed shall be used.

Splices shall be made only in a listed junction box.

### Additional Requirements for Flexible Cord Installations

Where flexible cord is used in any location where it could be damaged, it shall be protected by installation in conduit, enclosures, or guards.

Where flexible cord penetrates a metal surface, rubber or plastic grommets or bushings shall be installed.

### Wiring Identification

Each line voltage circuit originating from the main panel board shall be identified.

The wire or circuit identification either shall reference a wiring diagram or wire list or shall indicate the final termination point of the circuit.

Where pre-wiring for future power sources or devices exists, the un-terminated ends shall be marked with a label showing their wire size and intended function.





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### Wiring System Components

Only stranded copper conductors with an insulation rated for temperatures of at least 194°F (90°C) and wet locations shall be used. Conductors in flexible cord shall be sized in accordance with Table 400.5(A) of *NFPA 70*. Conductors used in conduit shall be sized in accordance with 310.15, "Ampacities for Conductors Rated 0–2000 Volts," of *NFPA 70*. Aluminum or copper-clad aluminum conductors shall not be used.

All boxes shall conform to and be mounted in accordance with Article 314, "Outlet, Device, Pull, and Junction Boxes; Conduit Bodies; Fittings; and Manholes," of *NFPA 70*. All boxes shall be accessible using ordinary hand tools. Boxes shall not be permitted behind welded or pop-riveted panels.

The maximum number of conductors permitted in any box shall be in accordance with 314.16, "Number of Conductors in Outlet, Device, and Junction Boxes, and Conduit Bodies," of *NFPA 70*.

All wiring connections and terminations shall provide a positive mechanical and electrical connection. Connectors shall be installed in accordance with the manufacturer's instructions. Wire nuts or insulation displacement and insulation piercing connectors shall not be used.

Each switch shall indicate the position of its contact points (i.e., open or closed) and shall be rated for the continuous operation of the load being controlled. All switches shall be marked with a label indicating the function of the switch. Circuit breakers used as switches shall be "switch rated" (SWD) or better. Switches shall simultaneously open all associated line voltage conductors. Switching of the neutral conductor alone shall not be permitted.

Line voltage circuits controlled by low voltage circuits shall be wired through properly rated relays in listed enclosures that control all non-grounded current-carrying conductors.

### Receptacles and Inlet Devices

#### Wet and Dry Locations

All wet location receptacle outlets and inlet devices, including those on hardwired, remote power distribution boxes, shall be of the grounding type, provided with a wet location cover, and installed in accordance with Section 406.8, "Receptacles in Damp or Wet Locations," of *NFPA 70*.

All receptacles located in a wet location shall be not less than 24 in. (600 mm) from the ground. Receptacles on off road fire apparatus shall be a minimum of 30 in. (750 mm) from the ground. All receptacles located in a dry location shall be of the grounding type and shall be at least 12 in. (300 mm) above the interior floor height. No receptacle shall be installed in a face-up position.

The face of any wet location receptacle shall be installed in a plane from vertical to not more than 45 degrees off vertical.



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### Receptacle Label

Each receptacle shall be marked with a label indicating the nominal line voltage (120 volts or 240 volts) and the current rating in amps of the circuit. If the receptacle is DC or other than single phase, that information shall also be marked on the label.

All receptacles and electrical inlet devices shall be listed to UL 498, *Standard for Safety Attachment Plugs and Receptacles*, or other recognized performance standards.

Receptacles used for DC voltages shall be rated for DC service.

### Wiring Schematics

An "As-Built" Wiring diagrams for line voltage systems shall be provided to include the following information;

- Pictorial representations of circuit logic for all electrical components and wiring
- Circuit identification
- Connector pin identification
- Zone location of electrical components
- Safety interlocks
- Alternator-battery power distribution circuits
- Input/output assignment sheets or equivalent circuit logic implemented in multiplexing systems



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**120/240 VAC SCENE LIGHTING**

**REAR TRIPOD SCENE LIGHTS**

Two (2) Whelen 3200 series folding tripod light(s) model 8728304 shall be provided. The 50" AC folding tripod pole assembly shall incorporate 50" internal aluminum alloy pole with an outer diameter of 1.125" with an inner diameter of 0.875" and 30" folding legs. The internal coil cord cable shall be UL listed and have a liquid tight strain relief that eliminates internal wire twisting. The internal coil cord cable shall be installed with a NEMA 5-20 plug.

The tripod shall have ability to be mounted by an upper body quick disconnect mounting bracket and a lower folded tripod mounting cradle. All mounting hardware shall be stainless steel.

Voltage: +120v AC

Height of Tripod Folded = 56.40"

Height of Tripod Folded Out = 104.51" Max. Length

Diameter of Tripod Legs When Folded Out = 51.12"

Each tripod assembly shall have a Whelen Pioneer Plus model PFP2AP provided. The 150 watt 120 VAC Pioneer light head shall incorporate Super-LED dual flood light installed in a die-cast white powder coated aluminum housing. The PFP2AC configuration shall consist of 72 white Super-LEDs with a clear optic collimator/reflector assembly and a clear non-optic polycarbonate lens. The Pioneer flood light shall have 15,000 usable lumens.

The tripod and light is covered by a five year factory warranty.

Voltage: +120v AC

Size: H=4.125", W=14.00", D=2.50"

Amp Draw: Spot Light = 1.20 Amps

Lens Color: Clear

A weatherproof on-off toggle switch shall be mounted in a switch box below the lamphead.





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## **LIGHT TOWER**

Two (2) Command Light, CL Series light tower(s) shall be provided and installed on the completed unit. A flashing warning light shall be provided in cab, indicating when a light tower is not in nested position as required by NFPA 1901.

The Command Light shall be covered by a five (5) year limited warranty from defects in materials and workmanship. An operation, maintenance, and parts manual shall be provided with the completed unit.

The light tower shall extend 131" above the mounting surface and shall extend to full upright position in less than 15 seconds. The overall size of nested light tower shall be approximately 42" wide x 74" long x 12" high and weigh approximately 300 pounds.

### **Light Tower Construction and Design**

The Command Light assembly shall be of aluminum construction, with stainless steel shafts and bronze bushings for long life and low maintenance.

The electrically controlled unit shall not require usage of the vehicle's air supply for operation, thereby eliminating the chance for air leaks in the vehicle braking system. Hydraulic or pneumatic type floodlights are not acceptable alternatives to the specified all electric light tower.

The light tower shall be tested to in wind conditions of 90 mph (150 kph) minimum. Light towers that have not been tested to these conditions are not acceptable.

The light tower shall be capable of overhanging the side or back of the vehicle to provide maximum illumination to the vicinity adjacent to the vehicle for the safety of emergency personnel in high traffic conditions. Light towers that are only capable of rotation at the top of a pole are not acceptable to the specified light tower.

### **Light Tower Electrical System**

The light tower shall be a two-stage articulating device with a lighting bank on top of the second stage capable of continuous 360 degree rotation. The light shall be elevated by electric linear actuators, one (1) actuator shall elevate the light bank and one (1) actuator shall adjust the light bank angle from 0 to 110 degrees. Power for the light bank shall be supplied through power collecting rings thus allowing continuous 360 degree rotation in either direction.

The tower base shall have a light that illuminates the envelope of motion during any movement of the light tower mast as required by NFPA 1901.

### **Light Tower Floodlights**





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The Command Light model CL615A-2MH shall be equipped with the following bank of floodlights:

Floodlight manufacturer:	Hubbell Quartz/ Akron Brass MH
Number of lamp heads:	Four (4) 1,500 watt Quartz Halogen Two (2) 1,000 watt Extenda-Lite Metal Halide
Voltage:	240 volts
Total watts of light tower:	8,000 watts
Total lumens of light tower:	350,000 lumens
Configuration:	The light heads shall be mounted with three (3) on each side of the light tower, giving two (2) vertical lines of three (3) when the lights are in the upright position.

Light Tower Backlight Option

A backlight option shall be provided on the light tower. The lower pair of light heads shall be capable of being rotated about a horizontal axis 180 degree, providing light down on the vehicle or to the opposite side of the vehicle while allowing the fixed lights to remain pointed at the scene.

The hand-held remote control shall have an additional switch supplied for the backlight rotation option.

Light Tower Paint

The light tower shall be electro-statically powder coated with a hammer tone gray color.

Light Tower Controls

The light tower(s) shall be operated with a hand-held 15-foot umbilical line remote control. The storage station for the remote control unit shall be equipped with a button to activate the "Auto-Park" automatic nesting feature. The remote control shall be located per the itemized compartment list and include;

Three (3) switches; one (1) for each pair of lights.

One (1) switch for light bank rotation.

One (1) switch for elevating lower stage.

One (1) switch for elevating upper stage.

One (1) switch for optional light bank rotation.

One (1) switch for the optional strobe.

One (1) indicator light to indicate when light bank is out of the roof nesting position.

One (1) indicator light to indicate when light bank is rotated to proper nesting position.



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Light Tower Mounting

The specified light tower(s) shall be recessed into the roof of body to allow light tower(s) to be stowed below roof level. The floor and side walls of recessed area shall be fabricated as a separate module from 3/16" aluminum treadplate with an overlapping 3" flange around perimeter roof line. The recessed area shall be completely water tight. All electrical connections made to light tower shall be located on sidewalls for a water tight connection.

The recessed area shall have two (2) water drain holes (in opposite corners) with flexible 1" diameter hose routed to the area below the body. The drains shall be provided with sheet metal screen to prevent debris from clogging drain hoses.



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**EQUIPMENT PAYLOAD WEIGHT ALLOWANCE**

In compliance with NFPA 1901 standards, the special service vehicle shall be designed for an equipment loading allowance of 4,000 lbs. of Santa Fe Springs Fire Department provided equipment based on a 30,001 - 40,000 pound gross vehicle weight rating.

**EQUIPMENT**

The following equipment shall be furnished with the completed special service vehicle;

- One (1) container of assorted stainless steel nuts, bolts, screws and washers used in the construction of the apparatus shall be provided with the completed apparatus.
- There shall be two (2) Zico AC-44 NFPA approved aluminum wheel chocks provided for 44" diameter tires that together will hold the vehicle when loaded to its GVWR or GCWR, on a hard surface with a 20 % grade, with the transmission in neutral, and the parking brake released.
- The wheel chock(s) shall be mounted on the apparatus, location as per the Santa Fe Springs Fire Department.
- Two (2) Super Vac V18VE, 18" electric variable speed ventilation fan(s) shall be provided with the completed unit.
- Two Super Vac Mountain Misters will be shipped loose on the apparatus.
- The above specified ventilation fan(s) shall be shipped loose with the completed unit.
- Two (2) Super Vac F164M, 16" electric misting fans shall be provided with the completed unit.
- The above specified ventilation fan(s) shall be shipped loose with the completed unit.
- Two (2) Streamlight FireBox halogen flashlight(s) with shoulder strap shall be provided. Each flashlight shall be orange in color and have a 12 volt DC charger and vehicle mount kit. Each flashlight shall have an 8 watt, 150 lumen halogen spotlight style bulb and reflector with 2 ultra-bright LED taillights. The flashlight(s) shall be wired to battery direct unless otherwise specified by Santa Fe Springs Fire Department.
- The flashlight(s) shall be mounted on the completed unit in the lower area of compartment S1.

**REMAINING NFPA MINOR EQUIPMENT BY PURCHASER**

All other minor equipment not specified above, but required by NFPA 1901 for special service vehicles, section 10.9.3 shall be supplied and mounted by Santa Fe Springs Fire Department before the unit is placed in emergency service.

**MOTOROLA SOLUTIONS**

Quote Number: QU0000395110

Effective: 28 FEB 2017

Effective To: 31 JUL 2017

**Bill-To:**

SANTA FE SPRINGS, CITY OF  
11710 TELEGRAPH RD  
SANTA FE SPRINGS, CA 90670  
United States

**Ultimate Destination:**

SANTA FE SPRINGS, CITY OF  
11710 TELEGRAPH RD  
SANTA FE SPRINGS, CA 90670  
United States

**Attention:**

**Name:** Capt. Jay Joiner  
**Email:** jayjoiner@santafesprings.org

**Sales Contact:**

**Name:** James Jun  
**Email:** james.jun@commlineinc.com  
**Phone:** 3103908003

**Contract Number:** LA COUNTY (CA)**Freight terms:** FOB Destination**Payment terms:** Net 30 Due

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
1	1	M37TS9PW1AN	APX8500 ALL BAND MP MOBILE	\$4,770.00	\$3,577.50	\$3,577.50
1a	1	GA00235AE	ADD: NO GPS/WI-FI ANTENNA NEEDED	-	-	-
1b	1	W22BA	ADD: STD PALM MICROPHONE APEX	\$72.00	\$54.00	\$54.00
1c	1	GA01513AA	ADD: ALL BAND MOBILE ANTENNA (7/8/V/U)	\$95.00	\$71.25	\$71.25
1d	1	G67DF	ADD: REMOTE MOUNT MP	\$297.00	\$222.75	\$222.75
1e	1	GA00249AE	ADD: 3 YR SFS COMPREHENSIVE	\$400.00	\$400.00	\$400.00
1f	1	G628AC	ADD: REMOTE MOUNT CBL 17 FEET	\$15.00	\$11.25	\$11.25
1g	1	G806BL	ENH: ASTRO DIGITAL CAI OP APEX	\$515.00	\$386.25	\$386.25
1h	1	G51AT	ENH: SMARTZONE OPERATION APX	\$1,500.00	\$1,125.00	\$1,125.00
1i	1	W432AG	ADD: AUXILARY SPKR 13W (3.2OHM)	\$71.50	\$53.63	\$53.63
1j	1	GA01517AA	DEL: NO J600 ADAPTER CABLE NEEDED	-	-	-
1k	1	G361AH	ADD: P25 TRUNKING SOFTWARE	\$300.00	\$225.00	\$225.00
1l	1	GA00580AA	ADD: TDMA OPERATION	\$450.00	\$337.50	\$337.50
1m	1	G996AS	ENH: OVER THE AIR PROVISIONING	\$100.00	\$75.00	\$75.00
1n	1	GA09001AA	ADD: WI-FI CAPABILITY	\$300.00	\$225.00	\$225.00
1o	1	GA09007AA	ADD: OUT OF THE BOX WI-FI PROVISIONING	-	-	-
1p	1	W12DK	ADD: RF PREAMP	\$66.00	\$49.50	\$49.50
1q	1	G442AJ	ADD: O5 CONTROL HEAD	\$432.00	\$324.00	\$324.00
1r	1	G444AH	ADD: APX CONTROL HEAD SOFTWARE	-	-	-
2	2	H91TGD9PW7AN	APX 8000 ALL BAND PORTABLE MODEL 3.5	\$6,109.00	\$4,581.75	\$9,163.50
2a	2	QA01427AG	ALT:APX 8000 HOUSING GREEN	\$25.00	\$18.75	\$37.50
2b	2	Q806CB	ADD: ASTRO DIGITAL CAI OPERATION	\$515.00	\$386.25	\$772.50
2c	2	HA00025AK	ENH: SFS COMPREHENSIVE 5 YR	\$480.00	\$480.00	\$960.00
2d	2	QA05100AA	ENH:STD WARRANTY APPLIES-NO SFS	-	-	-
2e	2	H499JL	ENH: SUBMERSIBLE (DELTA T)	\$150.00	\$112.50	\$225.00
2f	2	QA02006AC	ENH: APX8000XE RUGGED RADIO	\$800.00	\$800.00	\$1,600.00
2g	2	H38BS	ADD: SMARTZONE OPERATION	\$1,500.00	\$1,125.00	\$2,250.00
2h	2	Q361AN	ADD: P25 9600 BAUD TRUNKING	\$300.00	\$225.00	\$450.00



Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
2i	2	QA00580AA	ADD: TDMA OPERATION	\$450.00	\$337.50	\$675.00
2j	2	G996AP	ADD: PROGRAMMING OVER P25 (OTAP)	\$100.00	\$75.00	\$150.00
2k	2	Q53AF	ADD: FRONT PANEL PROGRAMMING & CLONING	\$150.00	\$112.50	\$225.00
2l	2	QA09001AB	ADD: WIFI CAPABILITY	\$300.00	\$225.00	\$450.00
2m	2	QA09007AA	ADD: OUT OF THE BOX WIFI PROVISIONING	-	-	-
3	2	NNTN8575A	AUDIO ACCESSORY-REMOTE SPEAKER MICROPHONE,IMPRES XE RSM XT CABLE GREEN	\$480.00	\$360.00	\$720.00
4	2	NNTN7526A	ACCESSORY KIT,MFG #:AS10-08040001	\$39.78	\$39.78	\$79.56
5	2	NNTN7624C	CHARGER,CHR IMP VEH EXT NA/EU KIT	\$429.00	\$364.65	\$729.30

Estimated Tax Amount \$2,370.31

**Total Quote in USD** \$27,995.30

Air Light 828

THIS QUOTE IS BASED ON THE FOLLOWING:

1 This quotation is provided to you for information purposes only and is not intended to be an offer or a binding proposal.

If you wish to purchase the quoted products, Motorola Solutions, Inc. ("Motorola") will be pleased to provide you with our standard terms and conditions of sale (which will include the capitalized provisions below), or alternatively, receive your purchase order which will be acknowledged.

Thank you for your consideration of Motorola products.

2 Quotes are exclusive of all installation and programming charges (unless expressly stated) and all applicable taxes.

3 Purchaser will be responsible for shipping costs, which will be added to the invoice.

4 Prices quoted are valid for thirty(30) days from the date of this quote.

5 Unless otherwise stated, payment will be due within thirty days after invoice. Invoicing will occur concurrently with shipping.

MOTOROLA DISCLAIMS ALL OTHER WARRANTIES WITH RESPECT TO THE ORDERED PRODUCTS, EXPRESS OR IMPLIED INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

MOTOROLA'S TOTAL LIABILITY ARISING FROM THE ORDERED PRODUCTS WILL BE LIMITED TO THE PURCHASE PRICE OF THE PRODUCTS WITH RESPECT TO WHICH LOSSES OR DAMAGES ARE CLAIMED. IN NO EVENT WILL MOTOROLA BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

## REQUEST FOR QUOTE

DATE: 2/28/2017 SALES REP: James Jun

BILL TO:		SHIP TO:	
COMPANY:	Santa Fe Springs Fire Dept	COMPANY:	
ATTENTION:	Capt. Jay Joiner	ATTENTION:	
ADDRESS:	11710 E. Telegraph Road	ADDRESS:	
CITY/ST/ZIP:	Santa Fe Springs, CA 90670	CITY/ST/ZIP:	
PHONE:	(951) 642-1028	PHONE:	
EMAIL:	<a href="mailto:jayjoiner@santafesprings.org">jayjoiner@santafesprings.org</a>	EMAIL:	

### RE: Air Light 828 Equipment

QTY	MODEL/PART #	DESCRIPTION	UNIT COST	EXT COST
1	GPSB3	Panorama Sharkee Multi-Band 2G/3G/4G GPS/WIFI Antenna Complete with cabling and FME Style Connectors	\$ 210.00	\$ 210.00
1	GX450	Sierra Wireless GX450 Modem WiFi option Verizon Carrier	\$ 916.65	\$ 916.65
1	F110	Getac F110 G2, i7-5500U, 11.6 in+Webcam, Win7x32+4GB, 128GB SSD, Sunlight Readable (LCD+Touchscreen), Camera, Wifi+BT+GPS+Gobi+Passthrough	\$ 2,550.00	\$ 2,550.00
1	DS-GTC-202	Havis Docking Station w/ Power Supply (No RF Passthrough)	\$ 650.00	\$ 650.00
	Notes:	Quote good for 30 days.	Sub-Total	\$ 4,326.65
			Tax (9.25%)	\$ 400.22
			Freight	\$ 65.00
			Labor	\$ -
			<b>GRAND TOTAL</b>	<b>\$ 4,791.87</b>

SPECIAL NOTES:	Customer Approval Signature	PO #	Date
25% restocking fee will apply to returns and/or canceled purchase orders.			



Phone: 888.777.7850  
Fax: 888.777.7875  
Cell: 785.313.3154  
215 S. Seth Child Road  
Manhattan, KS 66502  
[www.clpusa.net](http://www.clpusa.net)

June 14, 2017

Customer Name: Santa Fe Springs, CA  
Chief Crook / Paul Martinez, Director of Purchasing

Equipment: One SVI Air / Light Unit  
Sales Representative: James Weber @ EVG  
Delivery: Estimated 1 year

Community Leasing Partners, a Division of *Community First National Bank*, is pleased to present the following financing options for your review and consideration.

**Option 1**

Total Cost:	\$ 599,000.00	Payment Frequency:	Annual
Down Payment:	\$ -	First Payment:	One year from closing/origination
Trade-In:	\$ -		
Amount Financed:	<u>\$ 599,000.00</u>		

Term in Years:	<u>5</u>	<u>7</u>	<u>10</u>
Payment:	\$129,616.57	\$95,362.17	\$70,127.93
Factor:	0.216388	0.159202	0.117075
Interest Rate:	2.68%	2.78%	2.97%

**Option 2**

Total Cost:	\$ 599,000.00	Payment Frequency:	Annual
Down Payment:	\$ -	First Payment:	At lease origination
Trade In:	\$ -		
Amount Financed:	<u>\$ 599,000.00</u>		

Term in Years:	<u>5</u>	<u>7</u>	<u>10</u>
Payment:	\$126,228.60	\$92,779.19	\$68,102.56
Factor:	0.210732	0.154890	0.113694
Interest Rate:	2.68%	2.78%	2.97%

- **THERE ARE NO DOCUMENTATION OR CLOSING FEES ASSOCIATED WITH THIS PROPOSAL.**
- Fixed interest rate for the terms provided unless otherwise stated.
- This financing is to be executed within 30 days of the date of the proposal or Lessor reserves the right to adjust the interest rate. The proposal is subject to credit review and approval and mutually acceptable documentation.
- This proposal has been prepared assuming the lessee is bank qualified or non bank qualified, and that the proposed lease qualifies for Federal Income Tax Exempt Status for the Lessor under Section 103 of the IRS Code.

**Thank you** for allowing Community Leasing Partners the opportunity to provide this proposal. If you have any questions regarding the options presented, need additional options, or would like to proceed with a financing, please contact me at 1-888-777-7850.

Respectively,

Blake J. Kaus  
Vice President & Director of Leasing  
[blakekaus@clpusa.net](mailto:blakekaus@clpusa.net)









# *City of Santa Fe Springs*

City Council Meeting

July 13, 2017

## **NEW BUSINESS**

Introduction of Ordinance No. 1088 – Repealing and Replacing the City's Purchasing Statutes, Policies, and Procedures

### **RECOMMENDATION**

That the City Council approve the first reading of Ordinance No. 1088 and repealing and replacing Sections 34.15 through 34.38 of Chapter 34, "Finance and Revenue", Title 3, "Administration," of the Santa Fe Springs Municipal Code.

### **BACKGROUND**

The City's Purchasing Policy and Procedures as outlined in Chapter 34 of the City's Municipal Code formally outlines the procurement guidelines for the City. It is the product of various City ordinances adopted from 1964 through 1989. Understandably, they no longer serve as an adequate guide for the current operational needs of the City. Portions of the procedures are outdated and do not incorporate today's best practices. In 2012 a City Council Subcommittee worked with staff to update the policy, however it was never formally adopted.

Ordinance No. 1088 provides updated purchasing guidelines, establishing responsibilities and authorization levels while outlining statutory requirements. Noteworthy items of the proposed ordinance are as follows:

- **Procedures for Purchasing:** Bidding may be dispensed during an emergency, when the amount involved is less than \$1,000, when the commodity can be obtained from only one vendor, when the product must match or interface with existing equipment, or if the purchase is conducted through a government agency cooperative purchasing program. The Purchasing Officer is authorized to purchase supplies and equipment up to \$25,000 as long as there are at least three (3) bids received. City Council approval is required for all purchases of supplies and equipment exceeding \$25,000.
- **Local Vendor Preference:** A reasonable effort shall be made to include Santa Fe Springs' vendors in the procurement process. For bid items under \$10,000, a preference equal to the amount the City will receive in sales tax revenue, shall be provided to the local vendor.
- **Change Orders:** Changes to contracts for supplies and equipment can be made to the quantity ordered, delivery date, or unit price. The Purchasing Officer is authorized to issue change orders for all contracts of an accumulated total of \$25,000 or less, with City Council approval required for those that exceed \$25,000.



## City of Santa Fe Springs

City Council Meeting

July 13, 2017

- **Construction (Public) Projects:** For public works projects (as defined by the California Public Contract Code) where construction is estimated be less than \$175,000 (or the maximum amount set forth under applicable State law), the City Council delegates the authority to award contracts under \$100,000 to the City Manager or his designee. Informal contracts of \$100,000 or more shall be awarded by the City Council. Formal bidding shall be required when the construction cost is estimated to be more than \$175,000 (or the maximum amount set forth under applicable State law).
- **Construction Change Orders:** In addition to administrative and notification changes, the Director of Public Works or his/her designee is authorized to approve change orders up to ten (10) percent of the contract bid award dollar amount (excluding any contingency amount). The City Manager is authorized to approve change orders, cumulative or singly, that do not exceed 15 percent of the project/contract's bid award dollar amount. City Council approval is required for change orders that increase the value of the project/contract beyond 15 percent of the contract bid award dollar amount.
- **Professional Services Contracts:** Procurement of services of an estimated value of \$25,000 or less may be made by the City Manager or his/her designee, with services of an estimated value of less than \$10,000 requiring at least one (1) written proposal. Service valued between \$10,000 and \$25,000 require a reasonable effort to obtain at least two (2) written proposals. Procurement of service of more than \$25,000, or any contract longer than one year, are to be approved by the City Council, and require at least three (3) written proposals. Services with an estimated value of \$50,000 or more shall be evaluated by a team of at least three individuals.
- **Professional Services Change Orders:** The City Manager or his designee is authorized to approve amendments to service contracts, where the new total value of the contract does not exceed \$25,000. For contracts over \$25,000, amendments that exceed 10% of the contract amount, or \$10,000, whichever is less, shall be approved by the City Council.
- **Cooperative Purchasing Agreements:** Purchases of supplies, materials, or equipment made under a cooperative purchasing program, utilizing purchasing agreements maintained by public agencies, are exempt from the requirements of competitive bidding.





## City of Santa Fe Springs

### City Council Meeting

July 13, 2017

- **Unlawful Purchases:** If any purchase of supplies, materials, equipment, or services is made by an employee not authorized to make a purchase or if any purchase is contrary to the provisions set forth in this purchasing policy, such purchase shall be void and of no effect. Additionally, departments may not split their purchases into smaller estimated amounts in order to evade any of the provisions of the policy. Lastly, the purchase of supplies, materials, or equipment for any purpose other than the conduct of City business by any official or employee of the City is prohibited.
- **Local Emergency Purchases:** In the event of certain occurrences, the City Council delegates to the City Manager the authority to authorize repairs and/or replacements as are necessary to permit the continued operation or services. The work or purchases may be performed at once without the benefit of bidding. For larger emergency situation purchases, which normally require City Council approval, the City Manager shall provide a full report on the emergency and work performed or purchases made, at the next meeting of the City Council. At that meeting the City Council will ratify such actions, and determine further appropriate action such as, but not limited to, whether work should continue without the benefit of informal or formal bidding. Emergency purchases are not intended to cover for poor planning, overlooked requirements, or inadequate forecasting. The items and quantities purchased, or work ordered for emergency situations shall be only what is necessary to satisfy the immediate emergency.
- **City Attorney Review:** All contracts or agreements not on templates approved by the City Attorney, require the City Attorney's approval. Any changes to the terms and conditions preapproved by the City Attorney require City Attorney review and approval by the City Council.

The City Attorney has reviewed and approved the attached Purchasing Ordinance.

### **FISCAL IMPACT**

While the proposed ordinance comprehensively addresses the City's purchasing policy and procedures associated with the expenditure of funds, it does not have a fiscal impact on the City.

  
Thaddeus McCormack  
City Manager

### **Attachments:**

Chapter 34 – Current Code  
Ordinance No. 1088



[Print](#)

## Santa Fe Springs Code of Ordinances

## CHAPTER 34: FINANCE AND REVENUE

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## Section

*Special Gas Tax Street Improvement Fund*

- 34.01 Created
- 34.02 Source of funds
- 34.03 Expenditure of funds

*Purchasing*

- 34.15 Purchasing Officer created; powers and duties
- 34.16 Inspecting and testing items
- 34.17 Requests by departments to be made on requisition forms
- 34.18 Purchase orders required; issuance
- 34.19 Purchase by bidding required generally; instances where bidding not required
- 34.20 Procedure for purchases exceeding \$10,000
- 34.21 Procedure for purchases of \$10,000 or less
- 34.22 Construction on public projects

*Cross-reference:*

*Days public offices closed for business, see § 38.01*

### SPECIAL GAS TAX STREET IMPROVEMENT FUND

**§ 34.01 CREATED.**

To comply with the provisions of Cal. Sts. and High. Code Article 5, Chapter 1, Division 1, there is created in the city treasury a special fund to be known as the "Special Gas Tax Street Improvement Fund."

('64 Code, § 2-61) (Ord. 36, passed - - )

**§ 34.02 SOURCE OF FUNDS.**

All money received by the city from the state under the provisions of the California Streets and Highways Code for the acquisition of real property or interests therein or for the construction, maintenance or improvement of streets or highways other than state highways shall be paid into the Special Gas Tax Street Improvement Fund.

('64 Code, § 2-62) (Ord. 36, passed - - )

**§ 34.03 EXPENDITURE OF FUNDS.**

All money paid into the Special Gas Tax Street Improvement Fund shall be expended exclusively for the purposes authorized by and subject to all of the provisions of Cal. Sts. and High. Code Article 5, Chapter 1, Division 1.

('64 Code, § 2-63) (Ord. 36, passed - - )

**PURCHASING****§ 34.15 PURCHASING OFFICER CREATED; POWERS AND DUTIES.**

(A) There is hereby created the position of Purchasing Officer. He shall be appointed by the City Manager. The duties of the Purchasing Officer may be combined with those of any other office or position.

('64 Code, § 2-38)

(B) The Purchasing Officer of the city, or his designee, shall have the authority and duty to do the following:

(1) Purchase or contract for supplies and equipment required by any using department in accordance with purchasing procedures prescribed by this subchapter, such administrative regulations as the Purchasing Officer shall adopt and such other rules and regulations as shall be prescribed by the City Council or City Manager.

(2) Negotiate and recommend execution of contracts for the purchase of supplies and equipment.

(3) Act to procure for the city the needed quality in supplies and equipment at least cost to the city.

(4) Discourage uniform bidding and endeavor to obtain as full and open competition as possible on all purchases.

(5) Prepare and recommend to the City Manager rules governing the purchase of supplies and equipment for the city.

(6) Prepare and recommend to the City Manager revisions and amendments to the purchasing rules.

(7) Keep informed of current developments in the field of purchasing, prices, market conditions and new products.

(8) Prescribe and maintain such forms as are reasonably necessary to the operation of this subchapter and other rules and regulations.

(9) Supervise the inspection of all supplies and equipment purchased, to insure conformance with specifications.

(10) Recommend the transfer of surplus or unused supplies and equipment between departments as needed and the sale of all supplies and equipment which cannot be used by any department or which have become unsuitable for city use.

(11) Maintain a bidders' list, vendors catalog file and records needed for efficient operation of the Purchasing Office.

('64 Code, § 2-39)

(Ord 237, passed 1-23-64)

#### **§ 34.16 INSPECTING AND TESTING ITEMS.**

The Purchasing Officer shall inspect or cause to be inspected to his satisfaction supplies and equipment delivered, to determine their conformance with the specifications set forth in the purchase order or contract. The Purchasing Officer shall have authority to require chemical and physical tests of samples submitted with bids and samples of deliveries which are necessary to determine their quality and conformance with specifications.

('64 Code, § 2-40) (Ord 237, passed 1-23-64)

#### **§ 34.17 REQUESTS BY DEPARTMENTS TO BE MADE ON REQUISITION FORMS.**

Departments shall submit requests for supplies and equipment to the Purchasing Officer on requisition forms.

('64 Code, § 2-41) (Ord 237, passed 1-23-64)

#### **§ 34.18 PURCHASE ORDERS REQUIRED; ISSUANCE.**

(A) Purchases of supplies and equipment for the city shall be made only by purchase order.  
(('64 Code, § 2-42)

(B) Except in cases of emergency, the Purchasing Officer of the city shall not issue any purchase order for supplies or equipment for the city unless there exists an unencumbered appropriation in the account against which such purchase is to be charged.

('64 Code, § 2-43)

(Ord 237, passed 1-23-64)



**§ 34.19 PURCHASE BY BIDDING REQUIRED GENERALLY; INSTANCES WHERE BIDDING NOT REQUIRED.**

(A) Purchases of supplies and equipment shall be by bid procedures pursuant to §§ 34.20 and 34.21. Bidding may be dispensed with only when an emergency requires that an order be placed with the nearest available source of supply, when the amount involved is less than \$500 or when the commodity can be obtained from only one vendor.

(B) Bidding may also be dispensed with, by order of the City Council, if the Council shall find, with respect to a specific purchase, that:

(1) The best interests of the city require a negotiated purchase; and

(2) The proposed negotiated purchase will result in a cost to the city not greater than the projected costs of a purchase after bidding.

('64 Code, § 2-44) (Ord 237, passed 1-23-64; Ord. 624, passed 1-13-83; Ord. 691, passed 4-10-86)

**§ 34.20 PROCEDURE FOR PURCHASES EXCEEDING \$10,000.**

Except as otherwise provided in this subchapter, purchases and contracts for supplies and equipment of estimated value greater than \$10,000 shall be by written contract with the lowest responsible bidder pursuant to the procedure prescribed as follows:

(A) *Notices inviting bids.* Notices inviting sealed bids shall include a general description of the articles to be purchased, shall state where bid blanks and specifications may be secured and the time and place for opening bids. Such notices shall be disseminated to prospective bidders by the Purchasing Officer, who shall also solicit bids from all responsible prospective suppliers whose names are on the bidders' list or who have requested their names to be added thereto.

(B) *Bidders' security.* When deemed necessary by the Purchasing Officer, bidders' security may be prescribed in the public notices inviting bids. Bidders shall be entitled to return of bid security; provided, that a successful bidder shall forfeit his bid security upon refusal or failure to execute the contract within 10 calendar days after the notice of award of contract has been mailed, unless the city is responsible for the delay. The City Council may, on refusal or failure of the successful bidder to execute the contract, award it to the next lowest responsible bidder. If the City Council awards the contract to the next lowest bidder, the amount of the lowest bidder's security shall be applied by the city to the difference between the low bid and the second lowest bid, and the surplus, if any, shall be returned to the lowest bidder.

(C) *Bid opening procedure.* Sealed bids shall be submitted to the Purchasing Officer and shall be identified as bids on the envelope. Bids shall be opened in public at the time and place stated in the public notices. A tabulation of all bids received shall be open for public inspection during regular business hours for a period of not less than 30 calendar days after the bid opening.

(D) *Rejection of bids.* In its discretion, the City Council may reject all bids presented and order a new bid solicitation.

(E) *Award of contracts.* Contracts shall be awarded by the City Council to the lowest responsible bidder, except as otherwise provided in this section.

(F) *Tie bids.* If two or more bids received are for the same total amount or unit price, quality and service being equal, and if the public interest will not permit the delay of a new solicitation for bids, the City Council may accept the one it chooses or accept the lowest bid made by negotiation with the tie bidders at the time of the bid opening.

(G) *Performance bonds.* The City Council shall have authority to require a performance bond, before entering into a contract, in such amount as it shall find reasonably necessary to protect the best interests of the city. If the City Council requires a performance bond, the form and amount of the bond shall be described in the notices inviting bids.

(H) *Motor vehicle purchases.* The provisions of this section shall apply to the purchase of motor vehicles individually costing in excess of \$25,000.

('64 Code, § 2-45) (Ord 237, passed 1-23-64; Ord. 609, passed 9-24-81; Am. Ord. 631, passed 7-14-83; Am. Ord. 753, passed 7-13-89)

### **§ 34.21 PROCEDURE FOR PURCHASES OF \$10,000 OR LESS.**

(A) Purchases of supplies and equipment of an estimated value in the amount of \$10,000 or less may be made by the Purchasing Officer in the open market without observing the procedure prescribed by § 34.20.

(B) The following requirements shall be met in such instances:

(1) *Minimum number of bids.* Open market purchases shall, wherever possible, be based on at least three bids and shall be awarded to the lowest responsible bidder.

(2) *Notice inviting bids.* The Purchasing Officer shall solicit bids by written requests, by telephone, or by public notice posted on a public bulletin board in the City Hall, or by a combination of such methods.

(3) *Motor vehicle purchases.* The provisions of this section shall apply to the purchase of motor vehicles individually costing \$25,000 or less.

('64 Code, § 2-46) (Ord 237, passed 1-23-64; Ord. 609, passed 9-24-81; Am. Ord. 631, passed 7-14-83; Am. Ord. 753, passed 7-13-89)

### **§ 34.22 CONSTRUCTION ON PUBLIC PROJECTS.**

(A) The provisions of this section shall apply to construction on public projects of more than \$25,000 but not more than \$75,000, or the maximum amount set forth under applicable state law.

('64 Code, § 2-46.1)

(B) The City Engineer shall maintain a list of qualified contractors, identified according to categories of work. Such list shall comply with the minimum criteria for development and maintenance of such list, as determined from time to time by the California Uniform Construction Cost Accounting Commission ("the Commission").

('64 Code, § 2-46.2)

(C) All contractors on the list for the category of work being bid and/or all construction trade journals specified by the Commission pursuant to Cal. Pub. Cont. Code § 22036 shall be mailed a notice inviting informal bids unless the product or service is proprietary. All mailing of notices to contractors and construction trade journals pursuant to this division shall be completed not less than 10 calendar days before bids are due.

('64 Code, § 2-46.3)

(D) The notice inviting informal bids shall describe the project in general terms, how to obtain more detailed information about the project, and state the time and place for the submission of bids.

('64 Code, § 2-46.4)

(E) The City Council may delegate the authority to award informal contracts to the Public Works Director, Director of Finance and Administrative Services or other appropriate person.

('64 Code, § 2-46.5)

(Ord. 687, passed 1-9-86)



**ORDINANCE NO. 1088**

**AN ORDINANCE OF THE CITY OF SANTA FE SPRINGS REPEALING AND REPLACING SECTIONS 34.15- 34.38 OF CHAPTER 34, "FINANCE AND REVENUE", TITLE 3, "ADMINISTRATION," OF THE SANTA FE SPRINGS MUNICIPAL CODE**

**WHEREAS**, Government Code sections 54201 et seq. govern purchasing by local governmental bodies and require that every local agency adopt policies and procedures to of supplies and equipment;

**WHEREAS**, Sections 34.15-34.38, Chapter 34 of Title 3 of the Santa Fe Springs Municipal Code was originally adopted in 1964 to address the finance and revenue and was last updated in April 1996.

**WHEREAS**, the City Council now desires to repeal Sections 34.15-34.38, Chapter 34 and replace it with the Purchasing Policy.

**NOW, THEREFORE**, the City Council of the City of Santa Fe Springs does ordain as follows:

**Section 1. Recitals**. The City Council of the City of Santa Fe Springs does hereby find that the above referenced recitals are true and correct and material to adoption of this Ordinance.

**Section 2. Repeal and Replacement**. Sections 34.15-34.38, Chapter 34 of the Santa Fe Springs Municipal Code (Finance and Revenue) is hereby repealed in its entirety and shall be replaced to read as follows:

**PURCHASING**

**§ 34.15 PURCHASING OFFICER CREATED; POWERS AND DUTIES**

- (A) There is hereby created the position of Purchasing Officer. He or She shall be appointed by the City Manager. The duties of the Purchasing Officer may be combined with those of any other office or position.

('64 Code, § 2-38)

- (B) The Purchasing Officer of the city, or his designee, shall have the authority and duty to do the following:
1. Purchase or contract for supplies, services, and equipment required by any department in accordance with purchasing procedures prescribed by this subchapter, such administrative regulations as the Purchasing Officer shall adopt and such other rules and regulations as shall be prescribed by the City Council or City Manager.
  2. Request quotations, negotiate, and recommend execution of contracts for the purchase of supplies and equipment.

3. Act to procure for the city the needed quality and quantity of supplies and equipment at least cost to the city.
4. Discourage uniform bidding and endeavor to obtain as full and open competition as possible on all purchases.
5. Prepare and recommend to the City Manager rules governing the purchase of supplies and equipment for the city.
6. Prepare and recommend to the City Manager revisions and amendments to the purchasing rules.
7. Keep informed of current developments in the field of purchasing, prices, market conditions, and new products.
8. Prescribe and maintain such forms as are reasonably necessary to the operation of this subchapter and other rules and regulations.
9. Supervise the inspection of all supplies and equipment purchased, to insure conformance with specifications.
10. Recommend the transfer of surplus or unused supplies and equipment between departments as needed and the sale of all supplies and equipment which cannot be used by any department or which have become unsuitable for city use.
11. Maintain a bidders' list, vendors catalog file and records needed for efficient operation of the Purchasing Office.
12. Establish and maintain inventory, storage, and distribution systems.
13. Support the various departments to enable them to provide their services to the community in a timely manner.

('64 Code, § 2-39)

(Ord 237, passed 1-23-64)

### **§ 34.16 INSPECTING AND TESTING ITEMS**

The Purchasing Officer shall inspect or cause to be inspected to his satisfaction supplies and equipment delivered, to determine their conformance with the

specifications set forth in the purchase order or contract. The Purchasing Officer shall have authority to require chemical and physical tests of samples submitted with bids and samples of deliveries which are necessary to determine their quality and conformance with specifications.

('64 Code, § 2-40) (Ord 237, passed 1-23-64)

#### **§ 34.17 REQUESTS BY DEPARTMENTS TO BE MADE ON REQUISITION FORMS**

Departments shall submit requests for supplies and equipment to the Purchasing Officer utilizing paper or approved electronic requisition forms. If attachments such as specifications, artwork, exhibits, etc. are required as part of the requisition, departments are responsible to ensure additional materials are received by Purchasing Officer in a timely manner.

('64 Code, § 2-41) (Ord 237, passed 1-23-64)

#### **§ 34.18 PURCHASING METHODS**

- (A) Purchases of supplies and equipment for the city shall be made by purchase order, petty cash, or city-issued procurement credit card.

('64 Code, § 2-42)

- (B) Except in cases of emergency, the Purchasing Officer of the city shall not issue any purchase order for supplies or equipment for the city unless there exists an unencumbered appropriation in the account against which such purchase is to be charged.

('64 Code, § 2-43)

(Ord 237, passed 1-23-64)

#### **§ 34.19 PURCHASE BY BIDDING REQUIRED GENERALLY; INSTANCES WHERE BIDDING NOT REQUIRED**

- (A) Purchases of supplies and equipment shall be by bid procedures pursuant to §34.20 and §34.21. Bidding may be dispensed with only when an emergency, as determined by the City Manager or his designee, requires that an order be placed with the nearest available source of supply, or when the amount involved is less than \$1,000,



when the commodity can be obtained from only one vendor, or when the product must match or interface with existing equipment.

- (B) Bidding may also be dispensed with, by order of the City Council, if the Council shall find, with respect to a specific purchase, that:
1. The best interests of the city require a negotiated purchase; and
  2. The proposed negotiated purchase will result in a cost to the city not greater than the projected costs of a purchase after bidding.
- (C) Bidding may also be dispensed if purchase is conducted through a government agency cooperative purchasing program.

('64 Code, § 2-44) (Ord 237, passed 1-23-64; Ord. 624, passed 1-13-83; Ord. 691, passed 4-10-86)

#### **§ 34.20 PROCEDURE FOR PURCHASES OF \$25,000 OR LESS**

- (A) Purchases of supplies and equipment of an estimated value in the amount of \$25,000 or less may be made by the Purchasing Officer in the open market without observing the procedure prescribed by § 34.21.
- (B) The following requirements shall be met in such instances:
1. Minimum number of bids. Open market purchases shall, wherever possible, be based on at least three (3) bids and shall be awarded to the lowest responsible bidder.
  2. Notice inviting bids. The Purchasing Officer shall solicit bids by written requests, by telephone, or other electronic communication method, or by a combination of such methods.

#### **§ 34.21 PROCEDURE FOR PURCHASES EXCEEDING \$25,000**

Except as otherwise provided in this subchapter, purchases and contracts for supplies and equipment of estimated value greater than \$25,000 shall be by written contract with the lowest responsible bidder pursuant to the procedure prescribed as follows:

- (A) Notices inviting bids. Notices inviting sealed bids shall include a general description of the articles to be purchased, shall state where bid forms and specifications may be secured, as well as the date, time, and location for opening bids. Such notices shall be disseminated by the Purchasing Officer to prospective bidders, to those names that are on the bidders' list, or to those who have requested that their names be added thereto. The Purchasing Officer or his designee may also solicit bids from all responsible prospective suppliers via written requests, or other form of electronic communication, or by a combination of such methods.
- (B) Bid opening procedure. Sealed bids shall be submitted to the Purchasing Officer and must be received by the date and time specified. Bids shall be opened in public or electronically at the time and place stated. A tabulation of all bids received shall be open for public inspection during regular business hours for a period of not less than thirty (30) calendar days after the bid opening.
- (C) Rejection of bids. In its discretion, the City Council may reject all bids presented and order a new bid solicitation.
- (D) Award of bids. Bids shall be awarded by the City Council to the lowest responsible bidder, except as otherwise provided in this section.
- (E) Tie bids. If two or more bids received are for the same total amount or unit price, quality, and service being equal, and if the public interest will not permit the delay of a new solicitation for bids, the City Council may accept the one it chooses or accept the lowest bid made by negotiation with the tie bidders.
- (F) Compliance with specifications. All qualified vendors have a right to compete for the city's business. Specifications shall not limit competition. Where a manufacture's name or a trade name is specified, the intent is to establish quality specifications or utility of the items required, and shall be deemed to be followed by the words "or equal." Bidders may offer any material, process, or service which is the equivalent of that specified, but it is at the discretion of the Purchasing Officer or his designee to determine if the material, process, or service is a valid substitution.
- (G) Motor vehicle purchases. The provisions of this section shall apply to the purchase of motor vehicles individually costing \$25,000 or more. It is desired that the motor vehicle(s) purchased under this policy be of USA origin, unless it is not feasible to do so or it is operationally required to purchase a foreign-made motor vehicle.

Ord. 631, passed 7-14-83; Am. Ord. 753, passed 7-13-89)

#### **§ 34.22 PROCEDURE FOR LOCAL VENDOR PREFERENCE**

- (A) A reasonable effort shall be made to include Santa Fe Springs vendors in the procurement process. Prior to soliciting bids, the Purchasing Officer or his designee shall research the local market and look for Santa Fe Springs vendors to include in the list of bidders.
- (B) In the case of a bid submitted by a vendor under \$10,000, and such vendor is located or maintains a point of sale within the city, for the purpose of a bid comparison only, a preference equal to the amount the city will receive in sales tax, shall be provided to the local vendor.

#### **§ 34.23 CHANGE ORDERS – FOR PURCHASES OF SUPPLIES AND EQUIPMENT**

Changes to contracts for supplies and equipment can be made to the quantity ordered, delivery date, or unit price. Line items can also be added and can be changed.

- (A) The Purchasing Officer is authorized to issue change orders for all contracts of an accumulated total of \$25,000 or less.
- (B) City Council approval is required for changes to contracts of an accumulated total that exceed \$25,000.

('64 Code, § 2-46) (Ord 237, passed 1-23-64; Ord. 609, passed 9-24-81; Am. Ord. 631, passed 7-14-83; Am. Ord. 753, passed 7-13-89)

#### **§ 34.24 PUBLIC PROJECTS – INFORMAL BIDS**

- (A) The provisions of this section shall apply to public works projects as defined by the California Public Contract Code 22032(b) or the maximum amount set forth under applicable state law. All such purchases shall comply with applicable provisions of the states Uniform Construction Cost Accounting Act, Labor Code, and Public Contract Code.

('64 Code, § 2-46.1)

- (B) The notice inviting informal bids shall describe the project in general terms, how to obtain more detailed information about the project, and state the time and place for the submission of bids.



('64 Code, § 2-46.4)

- (C) The City Council delegates the authority to award contracts under \$100,000 to the City Manager or his designee. Informal contracts of \$100,000 or more shall be awarded by City Council.
- (D) The Public Works Engineer is authorized to prepare and adopt plans, specifications, and working details for all construction contracts under \$100,000 in sufficient detail to enable qualified contractors to bid on and perform the work.

('64 Code, § 2-46.5)

(Ord. 687, passed 1-9-86)

#### **§ 34.25 PUBLIC PROJECTS – FORMAL BIDS**

- (A) The provisions of the California Uniform Construction Cost Accounting Act, as defined in the Public Contract Code, beginning with Section 22032(c), shall apply to bids for formal contracts for construction of public projects.
- (B) Formal bidding shall be required when the construction cost is estimated to be under California Public Contract Code Section 22032(c) or the maximum amount set forth under applicable State law.
- (C) Prior to going out to bid, the City Council shall adopt plans, specifications, and working details for any public projects exceeding the amount specified in subdivision (c) of Section 22032 of California Uniform Construction Cost Accounting Act, currently set at \$175,000.

#### **§ 34.26 MAINTENANCE WORK AND NON PUBLIC PROJECTS**

When contracting for maintenance work or work which does not fall within the definition of "public project," the provisions of the California Uniform Public Construction Cost Accounting Act, beginning with Section 22000 of the Public Contract Code, shall apply to such work or project.

#### **§ 34.27 CONSTRUCTION CHANGE ORDERS**

A change order is a valid instruction from an authorized signatory of the city that results in revised work to a contract. Change orders are appended to the original contract and become part of said contract. Change orders result from unforeseen or changed conditions; added or deleted scope of work; or design

errors or omissions. A change order is only appropriate to change a project in a manner consistent with the original bid specifications.

Change orders generally must meet all of the following criteria:

- (A) The modified job will consist essentially of the same work in the same general location as the original contract.
- (B) The project, as ultimately constructed, will be essentially the same as the original project.
- (C) The change order will not alter the nature of the project.
- (D) The change order authorization policy shall be as follows:
  - 1. The Director of Public Works or designee is authorized to approve change orders up to 10 percent of the contract bid award dollar amount (excluding any contingency amount).
  - 2. The City Manager is authorized to approve change orders, cumulative or singly, that do not exceed 15 percent of the project/contract's bid award dollar amount.
  - 3. City Council approval is required for change orders that increase the value of the project/contract beyond 15 percent of the contract bid award dollar amount. In such cases, upon demonstration by the Director of Public Works that a change order is necessary, the City Manager shall submit to the City Council, a change order request to include the amount of requested funds and justification describing why the additional funds are necessary and the benefits to be derived.
  - 4. If the City Council denies the change order request, the City Manager shall report back to the City Council with options as to how to accomplish the project/contract within the funds allocated.
  - 5. Contractors are not authorized to perform any work which is the subject of the change order request, without an approved, signed change order.
  - 6. In the event of an emergency or the need to take immediate or expeditious action necessary to protect or maintain the public health, safety, or welfare, or to prevent damage to public or private property, and with approval of the Mayor, the City Manager is authorized to enact change orders in excess of the City Manager's authorized expenditure limit. The City Manager shall take the

change order to the next City Council meeting for approval by the City Council.

#### **§ 34.28 BID WITHDRAWAL**

Bidders are allowed to change, modify, or withdraw their bid at any time up until the time set for opening. Once opened, a bid cannot be changed. If a bidder identifies a mistake in his bid, the bidder may request that it be relieved of the bid. The request must be made in writing within five days of bid opening, and is only allowed if the mistake is clerical in nature, and not due to error in judgment or to carelessness in inspecting the work site, or in reading the plans or specification. Bid relief must be reviewed and approved by the City Attorney.

#### **§ 34.29 PROFESSIONAL SERVICES AND CONSULTING SERVICES CONTRACTS**

Contracts for professional services requiring a high degree of specialized technical or mental skill, integrity or judgment, for which specifications cannot be developed due to the nature of the services, shall be negotiated and contracted through a Request for Proposals (RFP) process. An RFP allows the city to define the end result desired, and respondents are able to provide an approach or means to achieve the goal, a time frame to complete the work, and an associated cost. Consulting services contracts are contracts that are of an advisory nature: provide a recommended course of action or personal expertise; have an end product that is basically a transmittal of information either written or verbal, and that is related to the governmental functions of the City.

- (A) Award of such contracts shall be on the basis of demonstrated competence and qualifications for the type of services to be performed; understanding of an approach to the project; responsiveness to the city's terms, conditions and required time of performance; completeness and thoroughness of the proposal; and a price that is determined to be fair and reasonable.
- (B) Proposals shall be evaluated on the basis of objective criteria. The RFP shall include the specific criteria to be used in the evaluation of all proposals. The weight for each evaluation factor shall be determined prior to review or evaluation of any of the proposals.
- (C) There shall be no public opening of proposals; however, all proposal responses must be received no later than the date and time specified. A list of all firms and individuals that responded shall be prepared, but shall not be made available for public inspection until after a contract or purchase order has been awarded.

- (D) Negotiations may be conducted with the responder deemed most qualified or with those that have submitted proposals that are determined to have a reasonable potential of being selected for award. Negotiations may be used for purpose of clarification to assure a full understanding of, and conformance with, the solicitation requirements.
- (E) Procurement of services of an estimated value in the amount of \$25,000 or less may be made by the City Manager or his/her designee. Procurement of service of more than \$25,000, or any contract longer than one year, shall be approved by the City Council.
- (F) Procurement of service of an estimated value of less than \$10,000 shall require at least one (1) written proposal. Procurement of service of an estimated value of \$10,000 or more but less than \$25,000 shall require departments to make a reasonable effort to obtain a solicitation of at least two (2) written proposals. Procurement of service of an estimated value of \$25,000 or more shall require at least three (3) written proposals. Procurement of service of an estimated value \$ 50,000 or more shall be evaluated by an evaluation team of at least three individuals.
- (G) To comply with Internal Revenue Services regulations, an independent contractor may not be used or controlled as an employee. The City may not control the details of a contractor's performance.

#### **§ 34.30 AMENDMENTS TO PROFESSIONAL SERVICES AND CONSULTING SERVICE CONTRACTS**

- (A) When the city issues amendments outside of the original scope or intent of the contract, the most qualified firm may not end up performing the work and, thus the city may not receive the best value for its money; therefore, when, in the opinion of the City Manager, additional work deviates so substantially from the original scope of services as to constitute new services, the city shall initiate a new competitive selection process.
- (B) The City Manager or his designee is authorized to approve amendments to service contracts, provided the new total value of the contract does not exceed \$25,000. For contracts over \$25,000, amendments that exceed 10% of the contract amount, or \$10,000, whichever is less, shall be approved by the City Council. Such approval will establish a new contract amount against which the above percentages apply for subsequent amendments.



### **§ 34.31 TYPES OF CONTRACTS AND PURCHASES**

- (A) The Purchasing Officer shall reduce, to the maximum extent possible, the number of purchasing transactions by combining into bulk orders and contracts the requirements of departments for common-use items repetitively purchased; and shall develop and use those types of contracts and purchase orders which will reduce to the minimum the accompanying paperwork and which, in other respects, will be most advantageous to the city.
- (B) The Purchasing Officer is authorized to prescribe the use of various types of contracts and orders, including but not limited to:
  - 1. Definite-quantity contracts, whereby the contractor agrees to furnish a specified quantity of supplies, material or equipment at a specific time.
  - 2. Indefinite-quantity contracts, whereby the city agrees to obtain from the contractor all its requirements for specified supplies, materials or equipment in an estimated but indeterminate amount during a prescribed period of time, at a definite unit price or at a specified discount from list or posted prices.
  - 3. Price agreements, whereby the contractor agrees to supply the city requirements for items, such as replacement parts for different makes of mechanical or automotive equipment, during a prescribed period of time, at a definite unit price or at a specific discount from list or posted prices.
  - 4. Indefinite-quantity and price agreement contracts, as well as time and material contracts, shall specify a maximum expenditure or not-to-exceed amount based on estimated requirements.
  - 5. Any contract that will have a term longer than one year, must be awarded by the City Council.

### **§ 34.32 COOPERATIVE PURCHASING PROGRAMS**

Purchases of supplies, materials, or equipment made under a cooperative purchasing program, utilizing purchasing agreements maintained by the county, state, or other public agencies, are exempt from the requirements of competitive bidding.

### **§ 34.33 UNLAWFUL PURCHASES**

- (A) If any purchase of supplies, material, equipment, or service is made by an employee not expressly authorized to make such purchase or if any purchase is contrary to the provisions set forth in this purchasing policy, such purchase shall be void and of no effect, unless thereafter ratified by the person or body required by this policy to approve such purchase. If not ratified, the individual, and not the city, will be responsible for purchase.
- (B) Departments may not split their requirements for supplies, materials or equipment into smaller estimated amounts in order to evade any of the provisions of the policy.
- (C) The purchase of supplies, materials, or equipment for any purpose other than the conduct of city business by any official or employee of the city is prohibited.

### **§ 34.34 PROHIBITION OF INTEREST**

Any purchase order or contract in which an employee of the city is financially interested, directly or indirectly, shall be void.

### **§ 34.35 SALE OF SURPLUS CITY PROPERTY**

No city property or asset may be sold, given away, or otherwise disposed of without City Council approval.

### **§ 34.36 LOCAL EMERGENCY PURCHASE**

- (A) In the event of a sudden, unexpected occurrence that poses a clear and imminent danger, requiring immediate action to prevent or mitigate the loss or impairment of life, health, property or essential public services, the City Council delegates to the City Manager, with the approval of the Mayor, the authority to authorize repairs and/or replacements as are necessary to permit the continued operation or services of the city or to avoid danger to life or property. The work or purchases may be performed at once without the benefit of bidding; however, bids shall be taken whenever reasonably possible. Emergencies that are a "great public calamity", as defined in Section 36.01 – 36.09 of the Municipal Code, shall be dealt with following the provisions of that code.

- (B) For any emergency contract or purchases awarded which normally required City Council approval, the City Manager shall provide a full report on the emergency and work performed or purchases made, at the next meeting of the City Council. At that meeting the City Council will ratify such actions, and determine further appropriate action such as, but not limited to, whether work should continue without the benefit of informal or formal bidding.
- (C) Emergency purchases are not intended to cover for poor planning, overlooked requirements, or inadequate forecasting. The items and quantities purchased, or work ordered for emergency situations shall be only what is necessary to satisfy the immediate emergency.

#### **§ 34.37 MONETARY LIMITS**

All monetary limits established in this policy are exclusive of applicable taxes.

#### **§ 34.38 CITY ATTORNEY REVIEW**

All contracts or agreements not on templates approved by the City Attorney, require the City Attorney's approval. Any changes to the terms and conditions preapproved by the City Attorney require City Attorney review and approval by the City Council.

**SECTION 2.** The City Clerk shall certify to the adoption of this Ordinance, including the vote for and against and shall post a certified copy of this ordinance, within 15 days after its passage to be posted in at least three (3) public places within the City as established by ordinance, and, in compliance with Section 36933 of the Government Code.

PASSED and ADOPTED this 13<sup>th</sup> day of July, 2017, by the following roll call vote:

AYES:

NOES:

ABSENT:

ATTEST:

\_\_\_\_\_  
William K. Rounds, Mayor

\_\_\_\_\_  
Janet Martinez, CMC, City Clerk



# *City of Santa Fe Springs*

City Council Meeting

July 13, 2017

## **APPOINTMENTS TO BOARDS, COMMISSIONS, COMMITTEES**

Appointment of Delegate and Alternate Delegate to the Annual Business Meeting of the League of California Cities

### **RECOMMENDATION:**

That the City Council appoint a Delegate and Alternate Delegate for the Annual Business Meeting of the League of California Cities on Friday, September 15, 2017.

### **BACKGROUND**

The League of California Cities Annual Conference is scheduled for September 13 – September 15, 2017, in Sacramento, California. One very important aspect of the annual conference is the Annual Business Meeting where membership takes action on conference resolutions. Annual conference resolutions guide cities and the League in its efforts to improve the quality, responsiveness, and vitality of local government in California. The Annual Business Meeting will be held on Friday, September 15, 2017, at the Sacramento Convention Center.

The City Council must designate a Delegate and an Alternate Delegate in order to enable the City to vote at the Business Meeting.

Mayor Rounds and City Manager have indicated their interest in attending the meeting and being appointed as Delegate and Alternate Delegate, respectively.

A handwritten signature in black ink, appearing to read "Thaddeus McCormack", is written over a horizontal line.

Thaddeus McCormack  
City Manager

### **Attachment:**

League of California Cities Letter





1400 K Street, Suite 400 • Sacramento, California 95814  
Phone: 916.658.8200 Fax: 916.658.8240  
[www.cacities.org](http://www.cacities.org)

<b>Council Action Advised by July 31, 2017</b>
--

May 3, 2017

**TO: Mayors, City Managers and City Clerks**

**RE: DESIGNATION OF VOTING DELEGATES AND ALTERNATES**  
**League of California Cities Annual Conference – September 13 – 15, Sacramento**

The League's 2017 Annual Conference is scheduled for September 13 – 15 in Sacramento. An important part of the Annual Conference is the Annual Business Meeting (during General Assembly), scheduled for 12:30 p.m. on Friday, September 15, at the Sacramento Convention Center. At this meeting, the League membership considers and takes action on resolutions that establish League policy.

In order to vote at the Annual Business Meeting, your city council must designate a voting delegate. Your city may also appoint up to two alternate voting delegates, one of whom may vote in the event that the designated voting delegate is unable to serve in that capacity.

**Please complete the attached Voting Delegate form and return it to the League's office no later than Friday, September 1, 2017. This will allow us time to establish voting delegate/alternate records prior to the conference.**

Please note the following procedures that are intended to ensure the integrity of the voting process at the Annual Business Meeting.

- **Action by Council Required.** Consistent with League bylaws, a city's voting delegate and up to two alternates must be designated by the city council. When completing the attached Voting Delegate form, please attach either a copy of the council resolution that reflects the council action taken, or have your city clerk or mayor sign the form affirming that the names provided are those selected by the city council. Please note that designating the voting delegate and alternates must be done by city council action and cannot be accomplished by individual action of the mayor or city manager alone.
- **Conference Registration Required.** The voting delegate and alternates must be registered to attend the conference. They need not register for the entire conference; they may register for Friday only. To register for the conference, please go to our website: [www.cacities.org](http://www.cacities.org). In order to cast a vote, at least one voter must be present at the

Business Meeting and in possession of the voting delegate card. Voting delegates and alternates need to pick up their conference badges before signing in and picking up the voting delegate card at the Voting Delegate Desk. This will enable them to receive the special sticker on their name badges that will admit them into the voting area during the Business Meeting.

- **Transferring Voting Card to Non-Designated Individuals Not Allowed.** The voting delegate card may be transferred freely between the voting delegate and alternates, but *only* between the voting delegate and alternates. If the voting delegate and alternates find themselves unable to attend the Business Meeting, they may *not* transfer the voting card to another city official.
- **Seating Protocol during General Assembly.** At the Business Meeting, individuals with the voting card will sit in a separate area. Admission to this area will be limited to those individuals with a special sticker on their name badge identifying them as a voting delegate or alternate. If the voting delegate and alternates wish to sit together, they must sign in at the Voting Delegate Desk and obtain the special sticker on their badges.

The Voting Delegate Desk, located in the conference registration area of the Sacramento Convention Center, will be open at the following times: Wednesday, September 13, 8:00 a.m. – 6:00 p.m.; Thursday, September 14, 7:00 a.m. – 4:00 p.m.; and Friday, September 15, 7:30 a.m.– Noon. The Voting Delegate Desk will also be open at the Business Meeting on Friday, but will be closed during roll calls and voting.

The voting procedures that will be used at the conference are attached to this memo. Please share these procedures and this memo with your council and especially with the individuals that your council designates as your city's voting delegate and alternates.

Once again, thank you for completing the voting delegate and alternate form and returning it to the League office by Friday, September 1. If you have questions, please call Carly Shelby at (916) 658-8279.

**Attachments:**

- Annual Conference Voting Procedures
- Voting Delegate/Alternate Form

## **Annual Conference Voting Procedures**

1. **One City One Vote.** Each member city has a right to cast one vote on matters pertaining to League policy.
2. **Designating a City Voting Representative.** Prior to the Annual Conference, each city council may designate a voting delegate and up to two alternates; these individuals are identified on the Voting Delegate Form provided to the League Credentials Committee.
3. **Registering with the Credentials Committee.** The voting delegate, or alternates, may pick up the city's voting card at the Voting Delegate Desk in the conference registration area. Voting delegates and alternates must sign in at the Voting Delegate Desk. Here they will receive a special sticker on their name badge and thus be admitted to the voting area at the Business Meeting.
4. **Signing Initiated Resolution Petitions.** Only those individuals who are voting delegates (or alternates), and who have picked up their city's voting card by providing a signature to the Credentials Committee at the Voting Delegate Desk, may sign petitions to initiate a resolution.
5. **Voting.** To cast the city's vote, a city official must have in his or her possession the city's voting card and be registered with the Credentials Committee. The voting card may be transferred freely between the voting delegate and alternates, but may not be transferred to another city official who is neither a voting delegate or alternate.
6. **Voting Area at Business Meeting.** At the Business Meeting, individuals with a voting card will sit in a designated area. Admission will be limited to those individuals with a special sticker on their name badge identifying them as a voting delegate or alternate.
7. **Resolving Disputes.** In case of dispute, the Credentials Committee will determine the validity of signatures on petitioned resolutions and the right of a city official to vote at the Business Meeting.



# City of Santa Fe Springs

City Council Meeting


July 13, 2017

## APPOINTMENTS TO COMMITTEES AND COMMISSIONS

Committee	Vacancies	Councilmember
Beautification	3	Moore
Beautification	1	Rounds
Beautification	3	Sarno
Beautification	1	Trujillo
Family & Human Services	1	Moore
Historical	1	Rounds
Historical	3	Sarno
Historical	3	Trujillo
Historical	3	Zamora
Parks & Recreation	1	Rounds
Parks & Recreation	2	Sarno
Parks & Recreation	1	Trujillo
Parks & Recreation	2	Zamora
Senior Citizens	3	Moore
Senior Citizens	1	Rounds
Senior Citizens	1	Sarno
Senior Citizens	4	Trujillo
Senior Citizens	1	Zamora
Sister City	2	Rounds
Sister City	3	Sarno
Sister City	3	Trujillo
Sister City	2	Zamora
Youth Leadership	1	Moore
Youth Leadership	1	Sarno
Youth Leadership	1	Trujillo
Youth Leadership	3	Zamora

**Applications Received:** Victor Noah Santana

**Recent Actions:** None.

  
Thaddeus McCormack  
City Manager

Attachments:  
Committee Lists  
Prospective Members

Report Submitted by: Janet Martinez  
City Clerk

Date of Report: July 6, 2017  
**ITEM NO. 21**



## **Prospective Members for Various Committees/Commissions**

### **Beautification**

### **Community Program**

### **Family & Human Services**

### **Heritage Arts**

### **Historical**

### **Personnel Advisory Board**

### **Parks & Recreation**

Frank Aguayo Sr.  
Rudy Legarreta Jr.

### **Planning Commission**

### **Senior Citizens Advisory**

Frank Aguayo Sr.

### **Sister City**

### **Traffic Commission**

### **Youth Leadership**

Victor Noah Santana

## BEAUTIFICATION COMMITTEE

Meets the fourth Wednesday of each month, except July, Aug, Dec.

9:30 a.m., Town Center Hall

Qualifications: 18 Years of age, reside or active in the City

Membership: 25

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Moore	Juliet Ray	(18)
	Vacant	
	Vacant	
	Guadalupe Placencia	(18)
	Vacant	
Zamora	Mary Reed	(18)
	Charlotte Zevallos	(18)
	Doris Yarwood	(18)
	Vada Conrad	(18)
	Joseph Saiza	(18)
Rounds	Sadie Calderon	(18)
	Rita Argott	(18)
	Mary Arias	(18)
	Marlene Vernava	(18)
	Vacant	
Sarno	Vacant	
	Irene Pasillas	(18)
	Vacant	
	May Sharp	(18)
Trujillo	Vacant	
	Mary Jo Haller	(18)
	Nora Walsh	(18)
	Margaret Bustos*	(18)
	Vacant	

*\*Indicates person currently serves on three committees*

# FAMILY & HUMAN SERVICES ADVISORY COMMITTEE

Meets the third Wednesday of the month, except Jul., Aug., Sept., and Dec., at 5:45 p.m., Gus Velasco Neighborhood Center

Qualifications: 18 Years of age, reside or active in the City

Membership: 15 Residents Appointed by City Council

5 Social Service Agency Representatives Appointed by the Committee

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Moore	Vacant	
	Martha Villanueva	(18)
	Margaret Bustos*	(18)
Zamora	Gaby Garcia	(18)
	Tina Delgado	(18)
	Gilbert Aguirre	(18)
Rounds	Annette Rodriguez	(18)
	Janie Aguirre	(18)
	Peggy Radoumis	(18)
Sarno	Debbie Belmontes	(18)
	Linda Vallejo	(18)
	Hilda Zamora	(18)
Trujillo	Dolores H. Romero*	(18)
	Laurie Rios	(18)
	Bonnie Fox	(18)

Organizational Representatives: Nancy Stowe  
(Up to 5) Evelyn Castro-Guillen  
Elvia Torres  
(SPIRITT Family Services)

*\*Indicates person currently serves on three committees*

# HERITAGE ARTS ADVISORY COMMITTEE

Meets the Last Tuesday of the month, except Dec., at 9:00 a.m., at the Gus Velasco Neighborhood Center Room 1

Qualifications: 18 Years of age, reside or active in the City

Membership: 9 Voting Members  
6 Non-Voting Members

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Moore	Laurie Rios	6/30/2018
Zamora	Larry Oblea	6/30/2018
Rounds	Pauline Moore	6/30/2018
Sarno	Francis Carbajal	6/30/2018
Trujillo	Amparo Oblea	6/30/2018

## Committee Representatives

Beautification Committee	Charlotte Zevallos	6/30/2018
Historical Committee	Sally Gaitan	6/30/2018
Planning Commission	Gabriel Jimenez	6/30/2018
Chamber of Commerce	Debbie Baker	6/30/2018

## Council/Staff Representatives

Council Liaison	Richard Moore
Council Alternate	Jay Sarno
City Manager	Thaddeus McCormack
Director of Community Services	Maricela Balderas
Director of Planning	Wayne Morrell

*\*Indicates person currently serves on three committees*



## HISTORICAL COMMITTEE

Meets Quarterly - The 2nd Tuesday of Jan., April, July, and Oct., at 5:30 p.m.,  
Heritage Park Train Depot

Qualifications: 18 Years of age, reside or active in the City

Membership: 20

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
<b>Moore</b>	Astrid Shesterkin	(18)
	Tony Reyes	(18)
	Amparo Oblea	(18)
	George Felix, Jr.	(18)
<b>Zamora</b>	<b>Vacant</b>	
	<b>Vacant</b>	
	<b>Vacant</b>	
	Larry Oblea	(18)
<b>Rounds</b>	<b>Vacant</b>	
	Linda Vallejo	(18)
	Mark Scoggins*	(18)
	Janice Smith	(18)
<b>Sarno</b>	<b>Vacant</b>	
	<b>Vacant</b>	
	<b>Vacant</b>	
	Sally Gaitan	(18)
<b>Trujillo</b>	<b>Vacant</b>	
	<b>Vacant</b>	
	Merrie Hathaway	(18)
	<b>Vacant</b>	

*\*Indicates person currently serves on three committees*

## PARKS & RECREATION ADVISORY COMMITTEE

Meets the First Wednesday of the month, except Jul., Aug., and Dec., 7:00 p.m., Town Center Hall, Meeting Room #1

Subcommittee Meets at 6:00 p.m.

Qualifications: 18 Years of age, reside or active in the City

Membership: 25

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
<b>Moore</b>	Mary Tavera	(18)
	Adrian Romero	(18)
	William Logan	(18)
	Ralph Aranda	(18)
	Kurt Hamra	(18)
<b>Zamora</b>	Michael Givens	(18)
	Ruben Gonzalez	(18)
	<b>Vacant</b>	
	Sally Gaitan	(18)
	<b>Vacant</b>	
<b>Rounds</b>	Kenneth Arnold	(18)
	<b>Vacant</b>	
	Johana Coca*	(18)
	Tim Arnold	(18)
	Mark Scoggins*	(18)
<b>Sarno</b>	<b>Vacant</b>	(18)
	Debbie Belmontes	(18)
	Lisa Garcia	(17)
	<b>Vacant</b>	(18)
	David Diaz-Infante	(17)
<b>Trujillo</b>	<b>Vacant</b>	
	Andrea Lopez	(18)
	<b>Vacant</b>	
	Anthony Ambris	(18)
	Arcelia Miranda	(18)

*\*Indicates person currently serves on three committees*

## PERSONNEL ADVISORY BOARD

Meets Quarterly on an As-Needed Basis

Membership: 5 (2 Appointed by City Council, 1 by Personnel Board, 1 by Firemen's Association, 1 by Employees' Association)

Terms: Four Years

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Council	Angel Munoz	6/30/2017
	Ron Biggs	6/30/2017
Personnel Advisory Board	Neal Welland	6/30/2020
Firemen's Association	Jim De Silva	6/30/2017
Employees' Association	Johnny Hernandez	6/30/2020

## PLANNING COMMISSION

Meets the second Monday of every Month at 4:30 p.m.,  
Council Chambers

Qualifications: 18 Years of age, reside or active in the City

Membership: 5

### APPOINTED BY

### NAME

**Moore**

Ken Arnold

**Rounds**

Ralph Aranda

**Sarno**

John Mora

**Trujillo**

Frank Ybarra

**Zamora**

Gabriel Jimenez



## SENIOR ADVISORY COMMITTEE

Meets the Second Tuesday of the month, except Jul., Aug., Sep., and Dec., at 9:30 a.m.,  
Gus Velasco Neighborhood Center

Qualifications: 18 Years of age, reside or active in the City

Membership: 25

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
Moore	Vacant	
	Vacant	
	Paul Nakamura	(18)
	Astrid Shesterkin	(18)
	Vacant	
Zamora	Dolores Duran	(18)
	Elena Lopez Armendariz	(18)
	Rebecca Lira	(18)
	Amelia Acosta	(18)
	Vacant	
Rounds	Vacant	
	Bonnie Fox	(18)
	Gilbert Aguirre	(18)
	Lorena Huitron	(18)
	Janie Aguirre	(18)
Sarno	Yoko Nakamura	(18)
	Linda Vallejo	(18)
	Hilda Zamora	(18)
	Vacant	
	Vacant	
Trujillo	Vacant	
	Vacant	
	Vacant	
	Margaret Bustos*	(18)
	Vacant	

*\*Indicates person currently serves on three committees*

## SISTER CITY COMMITTEE

Meets the First Monday of every month, except Dec., at 6:45 p.m., Town Center Hall, Mtg. Room #1. If the regular meeting date falls on a holiday, the meeting is held on the second Monday of the month.

Qualifications: 18 Years of age, reside or active in the City

Membership: 25

APPOINTED BY	NAME	TERM EXPIRES JUNE 30 OF
<b>Moore</b>	Martha Villanueva	(18)
	Laurie Rios	(18)
	Mary K. Reed	(18)
	Peggy Radoumis	(18)
	Francis Carbajal	(18)
<b>Zamora</b>	Charlotte Zevallos	(18)
	Josefina Canchola	(18)
	<b>Vacant</b>	
	Doris Yarwood	(18)
<b>Rounds</b>	<b>Vacant</b>	
	Manny Zevallos	(18)
	Susan Johnston	(18)
	Robert Wolfe	(18)
	<b>Vacant</b>	
<b>Sarno</b>	<b>Vacant</b>	
	Jeannette Wolfe	(18)
	<b>Vacant</b>	
	<b>Vacant</b>	
	<b>Vacant</b>	
<b>Trujillo</b>	Cathy Guerrero	(18)
	<b>Vacant</b>	
	Andrea Lopez	(18)
	<b>Vacant</b>	
	Marcella Obregon	(18)
	<b>Vacant</b>	(18)

*\*Indicates person currently serves on three committees*