



City of Franklin

109 3rd Ave S
Franklin, TN 37064
(615)791-3217

Meeting Agenda

Work Session

Tuesday, May 26, 2015

5:30 PM

Board Room

Call to Order

Citizen Comments

WORKSESSION DISCUSSION ITEMS

1. [15-0468](#) Consideration of Event Permit Application for Porchfest in Westhaven on June 20, 2015 sponsored by the Westhaven Foundation (05-26-15 WS)

Sponsors: Deb Faulkner
Attachments: [Westhaven Porchfest 2015 REVISED App.pdf](#)
2. [15-0469](#) Consideration of Event Permit Application for Bluegrass Along the Harpeth on July 24-25, 2015 sponsored by the Williamson County Cultural Arts Commission (05-26-15 WS)

Sponsors: Deb Faulkner
Attachments: [Bluegrass Along the Harpeth 2015 REVISED App.pdf](#)
3. [15-0470](#) Consideration of Event Permit Application for Wine Down Main Street in Downtown Franklin on November 7, 2015 Sponsored by the Boys and Girls Clubs of Middle Tennessee (05-26-15 WS).

Sponsors: Deb Faulkner
Attachments: [WDMS 2015 REVISED Application.pdf](#)
4. [15-0466](#) Consideration of Liquor License Renewal for The Corner Wine and Spirits, (Ramesh Surati, Managing Agent) 1110 Hillsboro Road, Suite 120 a, Franklin, TN 37064 (05-26-15 WS).

Sponsors: Lanaii Benne
Attachments: [2015 CERT Surati liquor license renewal.doc](#)

5. [15-0522](#) Follow Up Discussion Regarding Resolution 2015-28, A Resolution Concerning Appropriation Of Funds To Franklin First United Methodist Church (COF Project 2665) (Resolution 2015-28 Approved at 04/28/15 BOMA - Option C)
- Sponsors:** Eric Stuckey
- Attachments:** [Franklin First United Methodist Church - Letter](#)
[MAP Franklin first United Methodist Church.pdf](#)
[Res 2015-28 Resolution for Franklin First United Methodist Churchs DP Comme](#)
6. [15-0457](#) Consideration Of Contract Award To Omega Mapping Services Of Woodbury, Georgia In The Total Lump-Sum Amount Of \$32,697 For Historic Cemeteries Ground Penetrating Radar And Mapping Services For The Parks Department (Purchasing Office Procurement Solicitation No. 2015-030; \$33,333.00 Project Budget; Would Be A Fiscal Year 2016 Expenditure; Contract No. 2015-0116) (05-26-15 WS).
- Sponsors:** Lisa Clayton
- Attachments:** [2015-030 Tabulation of Proposals 2015.05.05.1422](#)
[2015-0116 Procurement Agreement with attachments, signed for vendor](#)
7. [15-0459](#) Consideration Of Bid Award To Communications Group, Inc., D/B/A Commtech Of Nashville, Tennessee In The Total Amount Of \$77,802 For A Quantity Of Three (3) New And Unused Federal Signal Brand Outdoor Warning Sirens And Related Equipment, And The Same Number Of New And Unused Steel Poles, For The Fire Department (Purchasing Office Procurement Solicitation No. 2015-025; \$105,000 Budgeted In 130-89530-42200 For Fiscal Year 2015; Would Be A Fiscal Year 2016 Expenditure; Contract No. 2015-0123) (05-26-15 WS)
- Sponsors:** Rocky Garzarek and Todd Horton
- Attachments:** [2015-025 Bid Tab](#)
[2015-0123 Procurement Agreement, signed for vendor, with attachments](#)
8. [15-0460](#) Consideration Of Expansion Of The Automatic Aid Agreement With The City Of Brentwood Fire Department (COF Contract No. 2015-0110) (05-26-15 WS).
- Sponsors:** Todd Horton
- Attachments:** [Auto Aid Agreement Brentwood and Franklin 2015 Amended](#)
9. [15-0492](#) Consideration of Change Order to Kronos Agreement (COF Contract 2013-0127) approved November 26, 2013 in an amount of \$975.00 for the setup of the voluntary products interface with Unum. (05-26-15 WS)
- Sponsors:** Shirley Harmon
- Attachments:** [Unum Interface Invoice 04.22.15](#)

10. [15-0493](#) Consideration of Change Order to Kronos Agreement approved November 26, 2013 (COF 2013-0127) in the amount of \$11,760 for a total of 2 HR Administrator licenses and 30 Manager licenses. (05-26-15 WS)

Sponsors:

Shirley Harmon

Attachments:

[Licenses Order Form](#)

Other Business

Adjournment

Anyone requesting accommodations due to disabilities should contact ADA coordinator at 791-3277.

OFFICE USE ONLY:

Permit No:



HISTORIC
FRANKLIN
TENNESSEE

CITY OF FRANKLIN EVENT PERMIT APPLICATION

Application is Due 90 Days Prior to Scheduled Event.
Please read application carefully and fully complete each section.
A non-refundable application fee of \$100 is due at time of filing.

Note: Filing this application does not guarantee that your request will be granted.

Please check
all that apply:



street closure

☐ parade

☐ other special event

☐ beer served (*separate permit required*)

Please supply the following information. For additional space, use separate sheets of paper and attach to the application.

1) Location requested (if Temporary Street Closure only, list major roads to be closed):

☐ Aspen Grove Park

☐ Liberty Park

☐ Eastern Flank Battlefield Park

☐ Fieldstone Farms

☐ Pinkerton Park

☐ Jim Warren Park

☐ Harlinsdale Farm

Other: Westhaven, Franklin
Tn.

2) Name/purpose of event: Porchfest - music on porches + music event
at the lake

3) Date or dates of event: Sat. June 20, 2015

4) Time of Event: 4:00 - 10:00

5) Time of Street Closure (if applicable): _____

Set-Up Date/Time: 6/20/15 12:00

Tear-down Date/Time: 6/20/15 10:00PM

*Note: Two (2) hours will be added before set-up time and two hours (2) will be added after tear-down to allow time for clean-up. Event is responsible for payment of Franklin Police Officers during this time. Read Additional Requirements section for more information.

6) Name of Applicant and Organization Requesting Permit:

Westhaven Foundation

a) Address: 401 Cheltenham Ave. Franklin Tn 37064

b) Phone: 615-791-9552 **c) Cell:** 615-568-3449 **d) Fax:** _____

e) E-mail address: Stephanie.Lannom@southernland.com

7) Person in charge on day of event: Stephanie Lannom

Cell: 615-568-3449 **E-mail address:** Stephanie.Lannom@bellsouth.net



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8) Name and Cell Number of at least two others available on day of event:

Name: Amy Law Cell: 642-2948 E-mail address: Amy.law@southernland.com

Name: Betsy Bergman Cell: 481-4807 E-mail address: betsy.bergman@southernland.com

9) DETAILED description of event (use additional sheets):

See attached

10) **ENCLOSE A DETAILED MAP** of event site, detailing any temporary or permanent structures, street closures, parking, etc. If applicable, list the location, blocks, streets, and/or intersections in which such event will occur. **For large-scale events, map should be obtained from the City's GIS division.**

11) An estimated number of participants and an estimated number of attendees expected to attend during the course of the event:

2000 (hard to predict)

12) Please **attach a list** containing the names, addresses, and phone numbers of the Chairperson of the organization and all other persons involved in the management or control of organization and/or committee.

13) Is your organization based in Williamson County? Circle Yes or No
(if no, please state where: _____)

14) Is your organization authorized to do business in Tennessee? Circle Yes or No

15) Is your organization a tax-exempt organization as described by the Internal Revenue Code Section 501(c)(3) or a not-for-profit organization? Circle Yes or No. If yes, please attach copy of IRS tax exemption letter providing proof of status.

16) Will you charge an admission/participation fee (including vendors)? If yes, please specify how much per person/vendor. No

17) Will any charity, gratuity, or offers be solicited or accepted during the event? Circle Yes or No.

18) Is this event a fundraiser? Circle Yes or No. If yes, what organization will be benefactor of event? What percentage of funds will they receive? _____

19) Will parking in the area of the event need to be restricted or prohibited? Circle Yes or No.



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- 20) Will any sound amplification equipment be used during the event? Circle Yes or No. If no, please skip to Question #22.
- 21) For what purpose will sound amplification be used (i.e. announcements, entertainment, etc.)?
Concert at the lake
- 22) What type of sound amplification will be provided (DJ, Band, etc.)? Please list all that apply.
band
- 23) During what time period is sound amplification requested? 4pm-10pm
- 24) If for entertainment, give details of entertainment being provided (i.e. number of musicians, type of music, amp wattage, etc.).
10-15 piece band
- 25) Will any stages, amusement attractions, or amusement rides, including inflatables, be erected for the event? Circle Yes or No. If yes, Applicant must give specific details as to the location and type of games/activities, i.e. inflatables, Horseshoes, relay races, etc. along with the name of the company providing the stages and/or activities. **Applicant must also include a copy of that company's insurance certificate indicating coverage and listing the City of Franklin as additional insured.** ***For stages, tents, inflatables, etc. constructed on site prior to the event, that date must be included on Certificate of Insurance provided to the City of Franklin. Stages MUST be removed from site at end of event. ***Rented inflatables/interactives that are set-up and manned by applicant must be included specifically in applicant's Certificate of Insurance.
- 26) What, if any, vendors will be present at event? (i.e medical related, shirts, arts, etc.) **Please provide detailed list.** Use additional sheets. will send at later date.
- 27) Will food, beverages, or merchandise be sold or given away? Circle Yes or No. If yes, clean-up is required. Please provide name of clean-up provider, contact, and phone number of person on-site during event. See Question #28. Volunteers -
Stephanie Lannom 568-3449
- 28) Events under 200 participants require a \$250 refundable security deposit at the time of approval. For events over 200, a \$1000 security deposit is required upon approval. If clean-up is not done properly, the organization requesting the permit will be fined (See Attachment A). Applicant's event coordinator or representative and a City of Franklin representative will conduct a Pre-Event meeting prior to event date for Pre-Event Check List Site Review. *At the end of the event, a Post-Event Check List shall be completed by the Applicant's event coordinator, or representative, and a City of Franklin representative to re-assess the site for trash and damage, and to secure with caution tape and signage (provided by event group) any tents left for removal.* Damage deposit will be refunded after a satisfactory Post Event Check List has been completed and signed off on by both the City of Franklin and organization requesting event.

- 29) **NOTE:* Events that include deep frying cooking oil operations are required to have a grease pit on-site and contract with a grease waste hauler to handle the grease waste and removal of the grease pit. A copy of this agreement shall be filed along with this application. The primary event sponsor is required to remove all cooking grease from the site immediately after the event. Illegal dumping of cooking grease will be prosecuted. *Please read Additional Requirements section of this application for more information.*
- 30) Will you require a temporary water tap? Circle Yes or No. If yes, please list exact locations:

- 31) Will alcohol, beer, and/or wine be given away or sold? Circle Yes or No. If yes, a permit from the relevant board is required. *Please read Additional Requirements section of this application for more information.*
- 32) Will your event include tents or other temporary structures, propane use, or open flames? Circle yes or no. Events using tents of size 20 x 10 or larger require permitting from Franklin Fire Department. Safety measures must be provided on all tents, especially those set-up prior to the actual event. Tents should be taken down the date the event has ended. *Please read Additional Requirements section of this application for more information.* *Small tailgate tents + * small tents for booth spaces*
- 33) Attach Good Neighbor Letter and Mailing List used. *Please read Additional Requirements section of this application for more information.*

TITLE VI OF THE 1964 CIVIL RIGHTS ACT

"No person in the United States shall, on the ground of race, color, or national origin be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance."

The City of Franklin does not discriminate based on race, color or national origin in federal or state sponsored programs, pursuant to Title VI of the Civil Rights Acts of 1964 (42 U.S.C. 2000d). For more information or to file a complaint against the City of Franklin under Title VI of the 1964 Civil Rights Act, contact the Title VI Coordinator:

Risk Manager
City of Franklin
109 Third Avenue South
Franklin, Tennessee 37064
615.791.3277

The City of Franklin is committed to providing reasonable access and accommodations upon request for people with disabilities. Please call the Risk Management Department at (615)791-3277 for specific requests.



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**PLEASE READ ATTACHMENTS BEFORE SIGNING
APPLICATION.**

- 1) I/We agree to abide by all ordinances and regulations of the City of Franklin and all conditions placed upon the event by the City Administrator and the Board of Mayor and Aldermen.
- 2) I/We do swear or affirm that all of the information given in this application is true and complete.
- 3) I/We do hereby agree to assume the defense of and indemnify and save harmless the City, its aldermen, boards, commissions, officers, employees and agents, from all suits, actions, damages or claims to which the City may be subjected of any kind or nature whatsoever resulting from, caused by, arising out of or as a consequence of such event and the activities permitted in connection there with, and to submit a certificate of insurance prior to the event in an amount acceptable to the City Administrator.
- 4) I/We agree to provide a copy of this signed Event Application to any vendors, planners, and related parties associated with the event to ensure they are familiar with the guidelines set forth herein.
- 5) I/We understand that I/we assume the responsibility of the actions of any vendors, planners, and related parties for this event.
- 6) I/We understand that granting of Special Event Permit does not imply granting of other permit that is separately required.
- 7) The application for an event permit shall be filed not less than 90 days nor more than 364 days prior to the scheduled date of such event. Suggested filing is at least 180 days prior to scheduled event. Events should not be advertised or promoted until an event permit has been obtained from the City. Failure to file in a timely manner may result in denial of a permit.
- 8) The City reserves the right to require one or more City of Franklin police officers or other emergency personnel be present at any and all events that occur within the city limits. Please budget for this request at a rate of \$30 per hour at a minimum of two (2) hours.

BY: Ang Law Treasurer of Westhaven Foundation Date: 3-18-15
(Signature and title – must be officer of organization)

Approved by the Board of Mayor and Aldermen on _____, 20__.

Dr. Ken Moore, Mayor

Eric S. Stuckey, City Administrator

If you have questions concerning your request, please call 615-550-6606.

★
★ **Return application to:** ★
★ City Administrator's Office ★
★ City Hall ★
★ 109 Third Ave South ★
★ Franklin, TN 37065 ★
★ 615-791-3217 ★
★ 615-790-0469 (FAX) ★
★
★

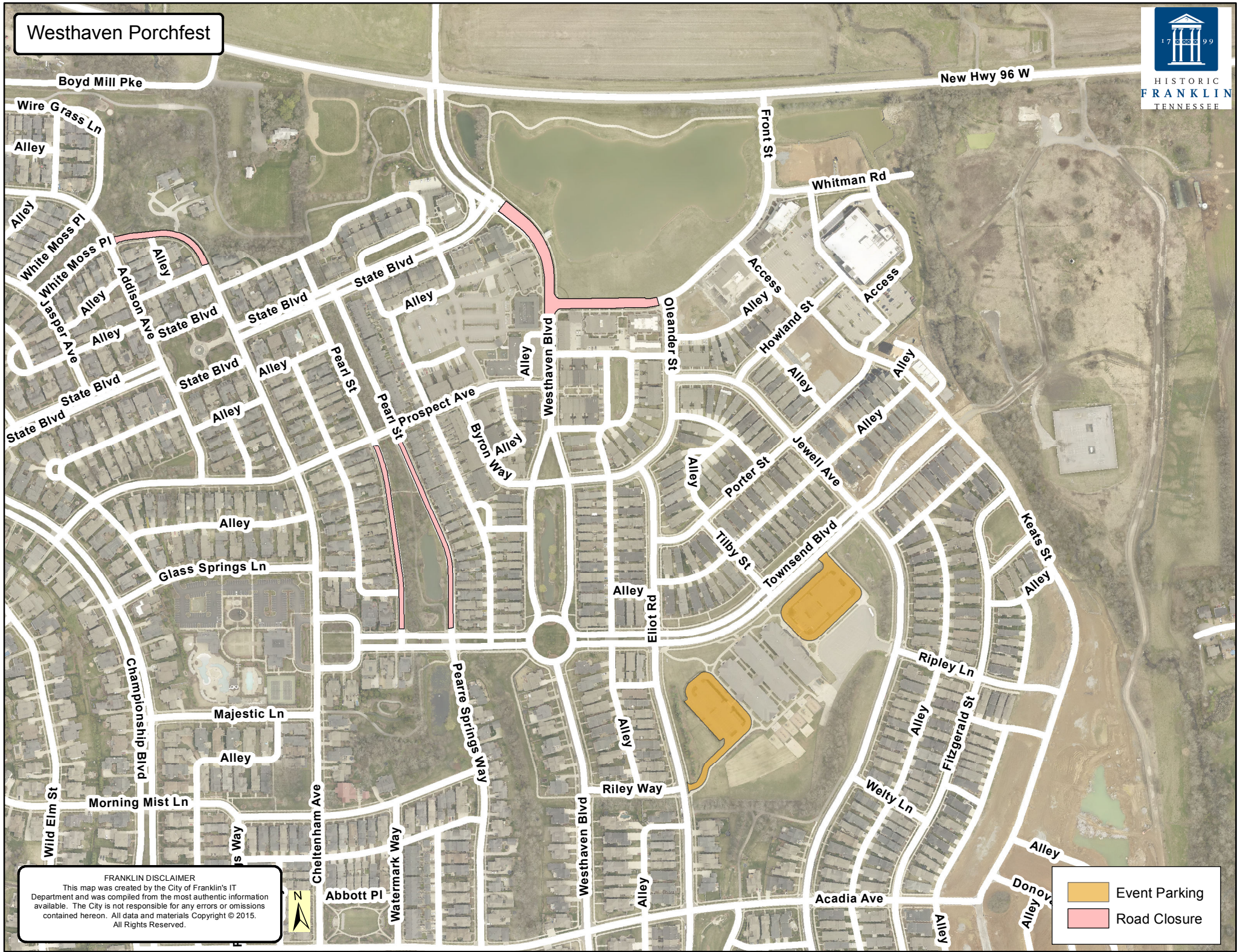
Chairperson List

Stephanie Lannom
401 Cheltenham
37064
615-568-3449

Amy Law
401 Cheltenham
37064
615-642-2948

Betsy Bergman
401 Cheltenham
37064
615-481-4807

Westhaven Porchfest



FRANKLIN DISCLAIMER
This map was created by the City of Franklin's IT Department and was compiled from the most authentic information available. The City is not responsible for any errors or omissions contained hereon. All data and materials Copyright © 2015. All Rights Reserved.

-  Event Parking
-  Road Closure

OFFICE USE ONLY:

Permit No: _____



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TENNESSEE

CITY OF FRANKLIN EVENT PERMIT APPLICATION

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Please read application carefully and fully complete each section.
A non-refundable application fee of \$100 is due at time of filing.*

Note: Filing this application does not guarantee that your request will be granted.

Please check
all that apply:

☒ street closure

☐ parade

☐ other special event

☐ beer served (*separate permit required*)

Please supply the following information. For additional space, use separate sheets of paper and attach to the application.

1) Location requested (if Temporary Street Closure only, list major roads to be closed):

____ Aspen Grove Park

____ Liberty Park

____ Eastern Flank Battlefield Park

____ Fieldstone Farms

____ Pinkerton Park

____ Jim Warren Park

____ Harlinsdale Farm

Other: Downtown Franklin Public Sq.

2) Name/purpose of event: Bluegrass Along the Harpeth music festival

3) Date or dates of event: July 24, 25 2015

4) Time of Event: 7PM - 11PM Friday; 9AM-11 PM Saturday

5) Time of Street Closure (if applicable): 5:00PM Friday - Midnight Saturday

Set-Up Date/Time: Friday 4:00PM **Tear-down Date/Time:** Saturday 11:00PM

*Note: Two (2) hours will be added before set-up time and two hours (2) will be added after tear-down to allow time for clean-up. Event is responsible for payment of Franklin Police Officers during this time. Read Additional Requirements section for more information.

6) Name of Applicant and Organization Requesting Permit:

Williamson County Cultural Arts Commission / Tommy Jackson

a) Address: 101 Churchill Place, Franklin, TN 37064

b) Phone: _____ **c) Cell:** 615-390-3588 **d) Fax:** 615-794-1595

e) E-mail address: rtrevue@aol.com

7) Person in charge on day of event: Tommy Jackson

Cell: 615-390-3588 **E-mail address:** rtrevue@aol.com



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TENNESSEE

8) Name and Cell Number of at least two others available on day of event:

Name: Carol Grace Cell: 615-892-9735 E-mail address: _____

Name: Sean Bell Cell: 615-419-8319 E-mail address: _____

9) DETAILED description of event (use additional sheets):

Bluegrass music festival and competition

10) **ENCLOSE A DETAILED MAP** of event site, detailing any temporary or permanent structures, street closures, parking, etc. If applicable, list the location, blocks, streets, and/or intersections in which such event will occur. **For large-scale events, map should be obtained from the City's GIS division.**

11) An estimated number of participants and an estimated number of attendees expected to attend during the course of the event:

6000 attendees / 200 contestants

12) Please **attach a list** containing the names, addresses, and phone numbers of the Chairperson of the organization and all other persons involved in the management or control of organization and/or committee.

13) Is your organization based in Williamson County? Circle Yes or No
(if no, please state where: _____)

14) Is your organization authorized to do business in Tennessee? Circle Yes or No

15) Is your organization a tax-exempt organization as described by the Internal Revenue Code Section 501(c)(3) or a not-for-profit organization? Circle Yes or No. If yes, please attach copy of IRS tax exemption letter providing proof of status.

16) Will you charge an admission/participation fee (including vendors)? If yes, please specify how much per person/vendor. no admission charge; vendors charged on sales volume....

17) Will any charity, gratuity, or offers be solicited or accepted during the event? Circle Yes or No.

18) Is this event a fundraiser? Circle Yes or No. If yes, what organization will be benefactor of event? What percentage of funds will they receive? _____

Williamson County Cultural Arts Commission

19) Will parking in the area of the event need to be restricted or prohibited? Circle Yes or No.



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TENNESSEE

- 20) Will any sound amplification equipment be used during the event? Circle Yes or No. If no, please skip to Question #22.
- 21) For what purpose will sound amplification be used (i.e. announcements, entertainment, etc.)?
On Stage Announcements and for live entertainment
- 22) What type of sound amplification will be provided (DJ, Band, etc.)? Please list all that apply.
Live bands and individuals
- 23) During what time period is sound amplification requested? 7-11PM Friday; 9AM-11PM Sat.
- 24) If for entertainment, give details of entertainment being provided (i.e. number of musicians, type of music, amp wattage, etc.).
Event is a competition for bands and individuals
- 25) Will any stages, amusement attractions, or amusement rides, including inflatables, be erected for the event? Circle Yes or No. If yes, Applicant must give specific details as to the location and type of games/activities, i.e. inflatables, Horseshoes, relay races, etc. along with the name of the company providing the stages and/or activities. **Applicant must also include a copy of that company's insurance certificate indicating coverage and listing the City of Franklin as additional insured.** ***For stages, tents, inflatables, etc. constructed on site prior to the event, that date must be included on Certificate of Insurance provided to the City of Franklin. Stages MUST be removed from site at end of event. ***Rented inflatables/interactives that are set-up and manned by applicant must be included specifically in applicant's Certificate of Insurance.
- 26) What, if any, vendors will be present at event? (i.e medical related, shirts, arts, etc.) **Please provide detailed list.** Use additional sheets.
- 27) Will food, beverages, or merchandise be sold or given away? Circle Yes or No. If yes, clean-up is required. Please provide name of clean-up provider, contact, and phone number of person on-site during event. See Question #28.
Clean up is done by festival committee members
- 28) Events under 200 participants require a \$250 refundable security deposit at the time of approval. For events over 200, a \$1000 security deposit is required upon approval. If clean-up is not done properly, the organization requesting the permit will be fined (See Attachment A). Applicant's event coordinator or representative and a City of Franklin representative will conduct a Pre-Event meeting prior to event date for Pre-Event Check List Site Review. *At the end of the event, a Post-Event Check List shall be completed by the Applicant's event coordinator, or representative, and a City of Franklin representative to re-assess the site for trash and damage, and to secure with caution tape and signage (provided by event group) any tents left for removal.* Damage deposit will be refunded after a satisfactory Post Event Check List has been completed and signed off on by both the City of Franklin and organization requesting event.

- 29) **NOTE:* Events that include deep frying cooking oil operations are required to have a grease pit on-site and contract with a grease waste hauler to handle the grease waste and removal of the grease pit. A copy of this agreement shall be filed along with this application. The primary event sponsor is required to remove all cooking grease from the site immediately after the event. Illegal dumping of cooking grease will be prosecuted. *Please read Additional Requirements section of this application for more information.*

- 30) Will you require a temporary water tap? Circle Yes or No. If yes, please list exact locations:

City Hall quadrant of Public Square

- 31) Will alcohol, beer, and/or wine be given away or sold? Circle Yes or No. If yes, a permit from the relevant board is required. *Please read Additional Requirements section of this application for more information.*
- 32) Will your event include tents or other temporary structures, propane use, or open flames? Circle yes or no. Events using tents of size 20 x 10 or larger require permitting from Franklin Fire Department. Safety measures must be provided on all tents, especially those set-up prior to the actual event. Tents should be taken down the date the event has ended. *Please read Additional Requirements section of this application for more information.*
- 33) Attach Good Neighbor Letter and Mailing List used. *Please read Additional Requirements section of this application for more information.*

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Risk Manager
City of Franklin
109 Third Avenue South
Franklin, Tennessee 37064
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PLEASE READ ATTACHMENTS BEFORE SIGNING
APPLICATION.

- 1) I/We agree to abide by all ordinances and regulations of the City of Franklin and all conditions placed upon the event by the City Administrator and the Board of Mayor and Aldermen.
- 2) I/We do swear or affirm that all of the information given in this application is true and complete.
- 3) I/We do hereby agree to assume the defense of and indemnify and save harmless the City, its aldermen, boards, commissions, officers, employees and agents, from all suits, actions, damages or claims to which the City may be subjected of any kind or nature whatsoever resulting from, caused by, arising out of or as a consequence of such event and the activities permitted in connection there with, and to submit a certificate of insurance prior to the event in an amount acceptable to the City Administrator.
- 4) I/We agree to provide a copy of this signed Event Application to any vendors, planners, and related parties associated with the event to ensure they are familiar with the guidelines set forth herein.
- 5) I/We understand that I/we assume the responsibility of the actions of any vendors, planners, and related parties for this event.
- 6) I/We understand that granting of Special Event Permit does not imply granting of other permit that is separately required.
- 7) The application for an event permit shall be filed not less than 90 days nor more than 364 days prior to the scheduled date of such event. Suggested filing is at least 180 days prior to scheduled event. Events should not be advertised or promoted until an event permit has been obtained from the City. Failure to file in a timely manner may result in denial of a permit.
- 8) The City reserves the right to require one or more City of Franklin police officers or other emergency personnel be present at any and all events that occur within the city limits. Please budget for this request at a rate of \$30 per hour at a minimum of two (2) hours.

BY: _____

(Signature and title - must be officer of organization)

Date: _____

3-18-15

Approved by the Board of Mayor and Aldermen on _____, 20__.

Dr. Ken Moore, Mayor

Eric S. Stuckey, City Administrator

If you have questions concerning your request, please call 615-550-6606.

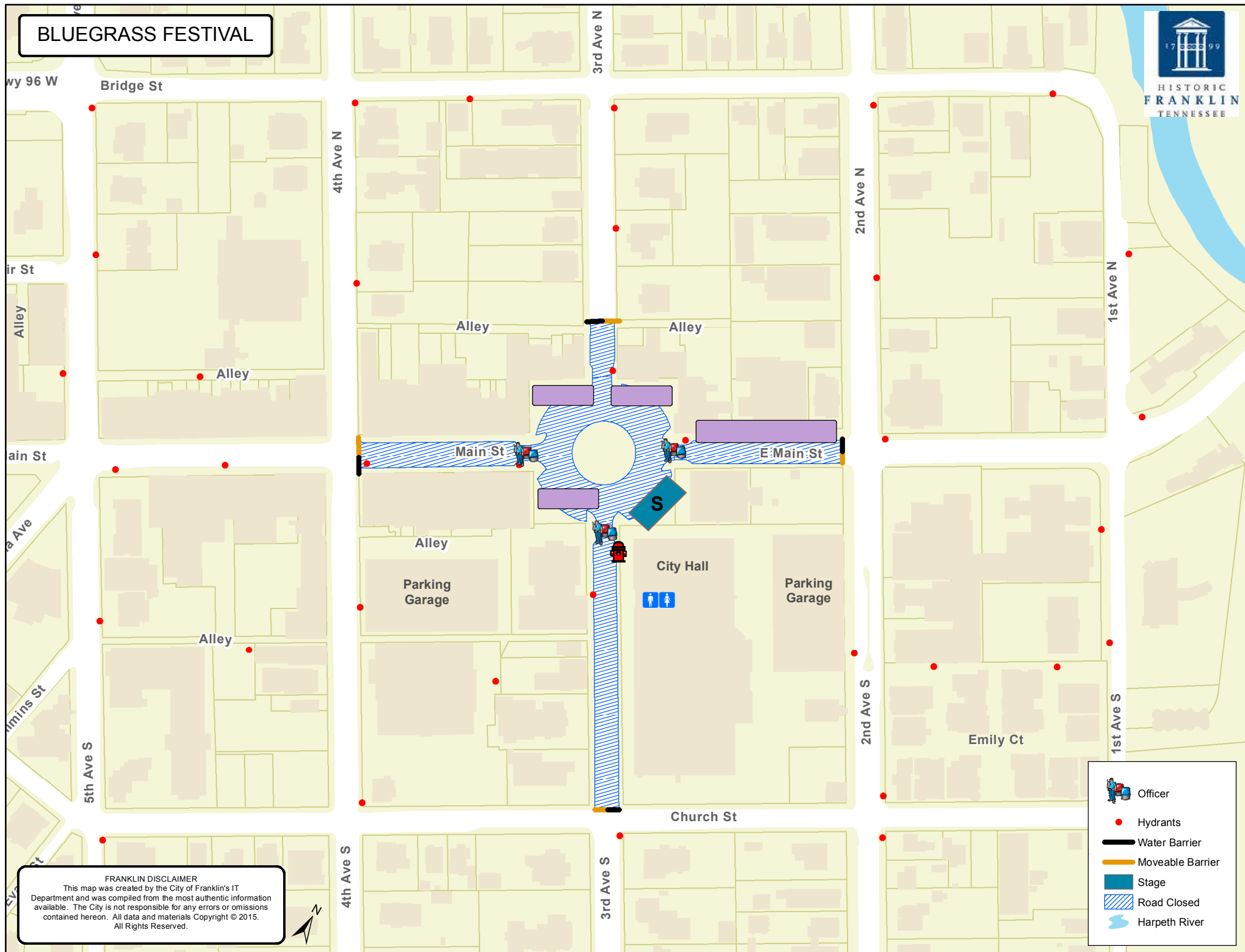
★
★ **Return application to:** ★
★ City Administrator's Office ★
★ City Hall ★
★ 109 Third Ave South ★
★ Franklin, TN 37065 ★
★ 615-791-3217 ★
★ 615-790-0469 (FAX) ★
★
★



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TENNESSEE

FOR CITY USE ONLY				
Department		Date	Initials	Attach Any Comments
Administration				Comments: _____ Yes _____ No
Business Office				Comments: _____ Yes _____ No
Codes				Comments: _____ Yes _____ No
Engineering				Comments: _____ Yes _____ No
Finance				Comments: _____ Yes _____ No
Fire				Comments: _____ Yes _____ No
Information Technology				Comments: _____ Yes _____ No
Law				Comments: _____ Yes _____ No
Parks				Comments: _____ Yes _____ No
Planning				Comments: _____ Yes _____ No
Police				Comments: _____ Yes _____ No
Risk Manager				Comments: _____ Yes _____ No
Solid Waste				Comments: _____ Yes _____ No
Streets				Comments: _____ Yes _____ No
Water/Wastewater				Comments: _____ Yes _____ No

BLUEGRASS FESTIVAL



FRANKLIN DISCLAIMER
 This map was created by the City of Franklin's IT Department and was compiled from the most authentic information available. The City is not responsible for any errors or omissions contained hereon. All data and materials Copyright © 2015. All Rights Reserved.

- Officer
- Hydrants
- Water Barrier
- Moveable Barrier
- Stage
- Road Closed
- Harpeth River

OFFICE USE ONLY:

Permit No:



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CITY OF FRANKLIN EVENT PERMIT APPLICATION

Application is Due 90 Days Prior to Scheduled Event.
Please read application carefully and fully complete each section.
A non-refundable application fee of \$100 is due at time of filing.

Note: Filing this application does not guarantee that your request will be granted.

Please check
all that apply:

☒ street closure

☐ parade

☐ other special event

☐ beer served (**separate permit required**)

Please supply the following information. For additional space, use separate sheets of paper and attach to the application.

1) Location requested (if Temporary Street Closure only, list major roads to be closed):

____ Aspen Grove Park
____ Fieldstone Farms
____ Jim Warren Park

____ Liberty Park
____ Pinkerton Park
____ Harlinsdale Farm

____ Eastern Flank Battlefield Park

Other: Main Street and Square

2) Name/purpose of event: Wine Down Main Street 15

3) Date or dates of event: November 7, 2015

4) Time of Event: 4 pm to 10 pm

5) Time of Street Closure (if applicable): 3 pm to 11 pm

Set-Up Date/Time: 3 pm Nov. 7

Tear-down Date/Time: 10 pm Nov. 7

*Note: Two (2) hours will be added before set-up time and two hours (2) will be added after tear-down to allow time for clean-up. Event is responsible for payment of Franklin Police Officers during this time. Read Additional Requirements section for more information.

6) Name of Applicant and Organization Requesting Permit:

Boys' & Girls Clubs of Middle Tennessee

a) Address: 129 West Fawkes Street Suite 1000

b) Phone: 615-794-4800 **c) Cell:** 615-554-2302 **d) Fax:** 615-794-9662

e) E-mail address: dearothers@bgcmt.org

7) Person in charge on day of event: Denise Dearothers

Cell: 615-554-2302

E-mail address: dearothers@bgcmt.org



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TENNESSEE

- 8) Name and Cell Number of at least two others available on day of event:

Name: Dan Jernigan Cell: 615-971-0770 E-mail address: djernigan@bgent.org
Name: John Winnett Cell: 615-521-2015 E-mail address: jwinnett@bgent.org

- 9) DETAILED description of event (use additional sheets):

Food and wine tasting from 5th Avenue to 3rd Avenue. Street is closed to 2nd.

- 10) **ENCLOSE A DETAILED MAP** of event site, detailing any temporary or permanent structures, street closures, parking, etc. If applicable, list the location, blocks, streets, and/or intersections in which such event will occur. **For large-scale events, map should be obtained from the City's GIS division.**

- 11) An estimated number of participants and an estimated number of attendees expected to attend during the course of the event:

2000

- 12) Please **attach a list** containing the names, addresses, and phone numbers of the Chairperson of the organization and all other persons involved in the management or control of organization and/or committee.

- 13) Is your organization based in Williamson County? Circle Yes or No
(if no, please state where: _____)

- 14) Is your organization authorized to do business in Tennessee? Circle Yes or No

- 15) Is your organization a tax-exempt organization as described by the Internal Revenue Code Section 501(c)(3) or a not-for-profit organization? Circle Yes or No. If yes, please attach copy of IRS tax exemption letter providing proof of status.

- 16) Will you charge an admission/participation fee (including vendors)? If yes, please specify how much per person/vendor. \$45 in advance - then \$85

- 17) Will any charity, gratuity, or offers be solicited or accepted during the event? Circle Yes or No.

- 18) Is this event a fundraiser? Circle Yes or No. If yes, what organization will be benefactor of event? What percentage of funds will they receive? Boys' & Girls Clubs of Middle Tennessee 100%

- 19) Will parking in the area of the event need to be restricted or prohibited? Circle Yes or No.



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TENNESSEE

20) Will any sound amplification equipment be used during the event? Circle Yes or No. If no, please skip to Question #22.

21) For what purpose will sound amplification be used (i.e. announcements, entertainment, etc.)?

Entertainment

22) What type of sound amplification will be provided (DJ, Band, etc.)? Please list all that apply.

Bands

23) During what time period is sound amplification requested?

6 PM - 10 PM

24) If for entertainment, give details of entertainment being provided (i.e. number of musicians, type of music, amp wattage, etc.).

main stage band at corner of fourth and main or fifth Avenue; Band on the square, musician on main (2)

25) Will any stages, amusement attractions, or amusement rides, including inflatables, be erected for the event? Circle Yes or No. If yes, Applicant must give specific details as to the location and type of games/activities, i.e. inflatables, Horseshoes, relay races, etc. along with the name of the company providing the stages and/or activities. Applicant must also include a copy of that company's insurance certificate indicating coverage and listing the City of Franklin as additional insured. ***For stages, tents, inflatables, etc. constructed on site prior to the event, that date must be included on Certificate of Insurance provided to the City of Franklin. Stages MUST be removed from site at end of event. ***Rented inflatables/interactives that are set-up and manned by applicant must be included specifically in applicant's Certificate of Insurance.

26) What, if any, vendors will be present at event? (i.e medical related, shirts, arts, etc.) **Please provide detailed list.** Use additional sheets.

27) Will food, beverages, or merchandise be sold or given away? Circle Yes or No. If yes, clean-up is required. Please provide name of clean-up provider, contact, and phone number of person on-site during event. See Question #28.

City of Franklin Solid Waste and Street Department

28) Events under 200 participants require a \$250 refundable security deposit at the time of approval. For events over 200, a \$1000 security deposit is required upon approval. If clean-up is not done properly, the organization requesting the permit will be fined (See Attachment A). Applicant's event coordinator or representative and a City of Franklin representative will conduct a Pre-Event meeting prior to event date for Pre-Event Check List Site Review. *At the end of the event, a Post-Event Check List shall be completed by the Applicant's event coordinator, or representative, and a City of Franklin representative to re-assess the site for trash and damage, and to secure with caution tape and signage (provided by event group) any tents left for removal.* Damage deposit will be refunded after a satisfactory Post Event Check List has been completed and signed off on by both the City of Franklin and organization requesting event.

- 29) **NOTE:* Events that include deep frying cooking oil operations are required to have a grease pit on-site and contract with a grease waste hauler to handle the grease waste and removal of the grease pit. A copy of this agreement shall be filed along with this application. The primary event sponsor is required to remove all cooking grease from the site immediately after the event. Illegal dumping of cooking grease will be prosecuted. *Please read Additional Requirements section of this application for more information.*
- 30) Will you require a temporary water tap? Circle Yes or No. If yes, please list exact locations:

- 31) Will alcohol, beer, and/or wine be given away or sold? Circle Yes or No. If yes, a permit from the relevant board is required. *Please read Additional Requirements section of this application for more information.*
- 32) Will your event include tents or other temporary structures, propane use, or open flames? Circle yes or no. Events using tents of size 20 x 10 or larger require permitting from Franklin Fire Department. Safety measures must be provided on all tents, especially those set-up prior to the actual event. Tents should be taken down the date the event has ended. *Please read Additional Requirements section of this application for more information.*
- 33) Attach Good Neighbor Letter and Mailing List used. *Please read Additional Requirements section of this application for more information.*

TITLE VI OF THE 1964 CIVIL RIGHTS ACT

"No person in the United States shall, on the ground of race, color, or national origin be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance."

The City of Franklin does not discriminate based on race, color or national origin in federal or state sponsored programs, pursuant to Title VI of the Civil Rights Acts of 1964 (42 U.S.C. 2000d). For more information or to file a complaint against the City of Franklin under Title VI of the 1964 Civil Rights Act, contact the Title VI Coordinator:

Risk Manager
City of Franklin
109 Third Avenue South
Franklin, Tennessee 37064
615.791.3277

The City of Franklin is committed to providing reasonable access and accommodations upon request for people with disabilities. Please call the Risk Management Department at (615)791-3277 for specific requests.



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TENNESSEE

**PLEASE READ ATTACHMENTS BEFORE SIGNING
APPLICATION.**

- 1) I/We agree to abide by all ordinances and regulations of the City of Franklin and all conditions placed upon the event by the City Administrator and the Board of Mayor and Aldermen.
- 2) I/We do swear or affirm that all of the information given in this application is true and complete.
- 3) I/We do hereby agree to assume the defense of and indemnify and save harmless the City, its aldermen, boards, commissions, officers, employees and agents, from all suits, actions, damages or claims to which the City may be subjected of any kind or nature whatsoever resulting from, caused by, arising out of or as a consequence of such event and the activities permitted in connection there with, and to submit a certificate of insurance prior to the event in an amount acceptable to the City Administrator.
- 4) I/We agree to provide a copy of this signed Event Application to any vendors, planners, and related parties associated with the event to ensure they are familiar with the guidelines set forth herein.
- 5) I/We understand that I/we assume the responsibility of the actions of any vendors, planners, and related parties for this event.
- 6) I/We understand that granting of Special Event Permit does not imply granting of other permit that is separately required.
- 7) The application for an event permit shall be filed not less than 90 days nor more than 364 days prior to the scheduled date of such event. Suggested filing is at least 180 days prior to scheduled event. Events should not be advertised or promoted until an event permit has been obtained from the City. Failure to file in a timely manner may result in denial of a permit.
- 8) The City reserves the right to require one or more City of Franklin police officers or other emergency personnel be present at any and all events that occur within the city limits. Please budget for this request at a rate of \$30 per hour at a minimum of two (2) hours.

BY: Eric S. Stuckey, Area Director Date: 4-6-15
(Signature and title – must be officer of organization)

Approved by the Board of Mayor and Aldermen on _____, 20__.

Dr. Ken Moore, Mayor

Eric S. Stuckey, City Administrator

If you have questions concerning your request, please call 615-550-6606.

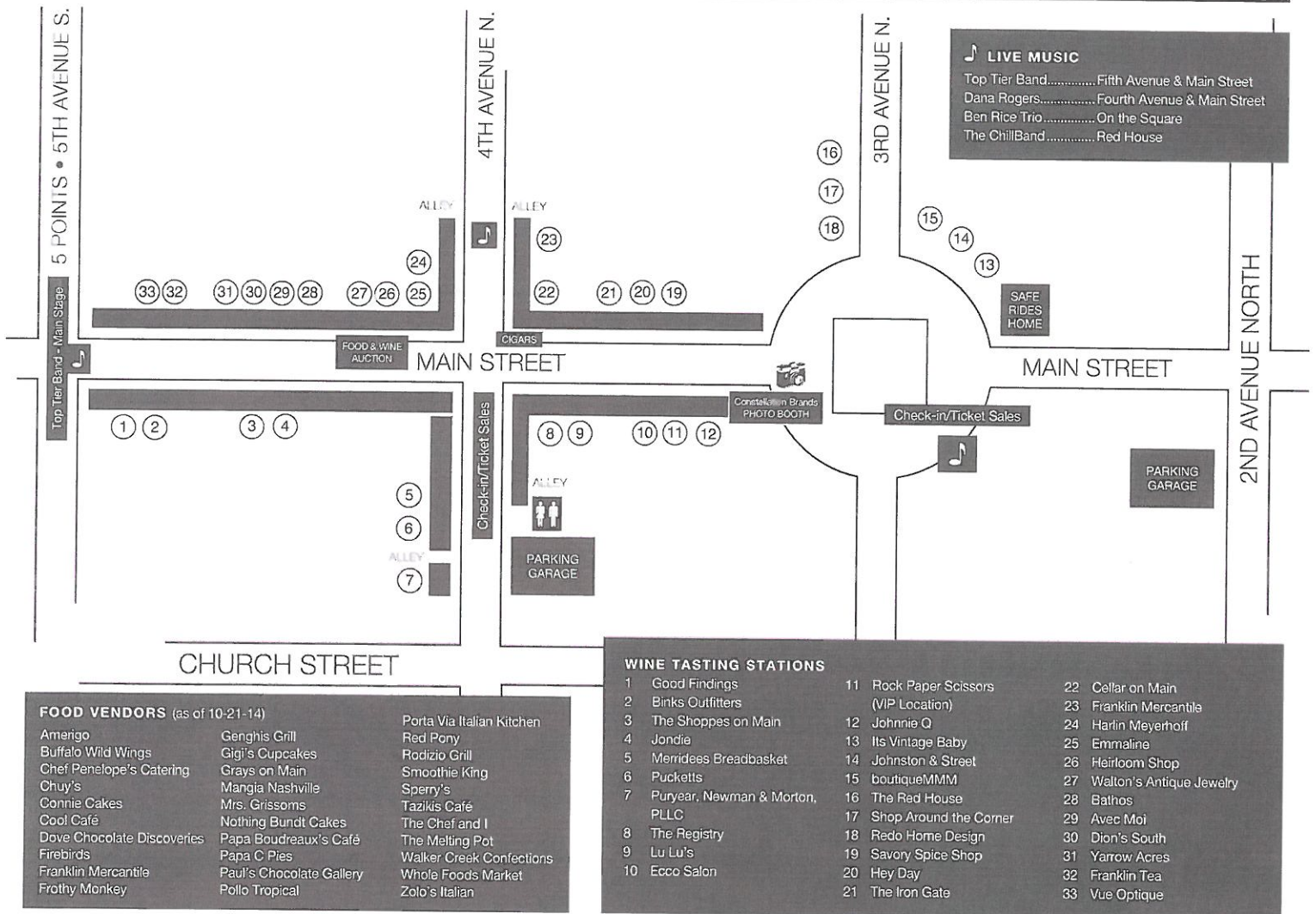
*
* **Return application to:** *
* City Administrator's Office *
* City Hall *
* 109 Third Ave South *
* Franklin, TN 37065 *
* 615-791-3217 *
* 615-790-0469 (FAX) *
*
*



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FOR CITY USE ONLY				
Department		Date	Initials	Attach Any Comments
Administration				Comments: _____ Yes _____ No
Business Office				Comments: _____ Yes _____ No
Codes				Comments: _____ Yes _____ No
Engineering				Comments: _____ Yes _____ No
Finance				Comments: _____ Yes _____ No
Fire				Comments: _____ Yes _____ No
Information Technology				Comments: _____ Yes _____ No
Law				Comments: _____ Yes _____ No
Parks				Comments: _____ Yes _____ No
Planning				Comments: _____ Yes _____ No
Police				Comments: _____ Yes _____ No
Risk Manager				Comments: _____ Yes _____ No
Solid Waste				Comments: _____ Yes _____ No
Streets				Comments: _____ Yes _____ No
Water/Wastewater				Comments: _____ Yes _____ No

Enjoy your journey as you WINE DOWN MAIN STREET



BOARD MEMBER BIOGRAPHICAL INFORMATION

(Please indicate principal officers with *)

1	Name: Farzin Ferdowsi* Employer: Management Resources Company	Street: 1728 Gen. George Patton Email: rwell@mrco.net	City: Brentwood	Zip: 37027
2	Name: Lee W. Shaeffer* Employer: Maverick Properties	Street: 722 Newberry Road Email: lee@maverick-properties.com	City: Nashville	Yrs. on Board: 12 Zip: 37205 Yrs. on Board: 13
3	Name: Ward Wilson* Employer: US Bank	Street: 150 4 th Avenue North, 3 rd Floor Email: ward.wilson@usbank.com	City: Nashville	Zip: 37219
4	Name: Gregory Reidy* Employer: United Healthcare	Street: 10 Cadillac Drive Suite 200 Email: Gregory_d_reidy@uhc.com	City: Brentwood	Yrs. on Board: 9 Zip: 37027
5	Name: Peggy Smith Employer: Retired	Street: 210 Gloucester Street Email: peggysmith210@hotmail.com	City: Franklin	Yrs. on Board: 5 Zip: 37064
6	Name: John Wilson Employer: Reliant Bank	Street: 604 Cattail Lane Email: jwilson@reliantbank.com	City: Franklin	Yrs. on Board: 8 Zip: 37064
7	Name: Lisa Carson Employer: Buerger, Moseley & Carson	Street: 617 Hillsboro Road Email: lcarson@buergerlaw.com	City: Franklin	Yrs. on Board: 7 Zip: 37064
8	Name: Phil Fawcett Employer: Boyle, Inc	Street: 2000 Meridian Boulevard Email: pfawcett@boyle.com	City: Franklin	Yrs. on Board: 9 Zip: 37067
9	Name: Phillip Feemster Employer: Franklin Synergy Bank	Street: 200 Valley Ridge Road Email: Philip.feemster@franklinsynergy.com	City: Franklin	Yrs. on Board: 3 Zip: 37064
10	Name: Jim East Employer: Home Page Media Group	Street: 1201 Hourglass Court Email: eastjimeast@aol.com	City: Franklin	Yrs. on Board: 3 Zip: 37067
11	Name: Scott Jones Employer: Daiichi Sankyo Pharmaceutical Company LLC	Street: 107 Warren Place Email: scottjonesbac@gmail.com	City: Hendersonville	Yrs. on Board: 2 years Zip: 37075
12	Name: Cathy Hardcastle Employer: Community Volunteer	Street: 908 Fair Street Email: NA	City: Franklin	Yrs. on Board: 1 year Zip: 37064
13	Name: Derek Smith* Employer: Attorney	Street: 219 3 rd Avenue North Email: dksmith@dksmithlaw.com	City: Franklin	Yrs. on Board: 6 months Zip: 37062
14	Name: Toney Sutton Employer: Williamson County Sheriffs Dept.	Street: 7301 Clearview Drive Email: toney@williamson-tn.org	City: Fairview	Yrs. on Board: 2 years Zip: 37062
15	Name: Jon Cherry Employer: Big Dog Realty	Street: PO Box 233 Email: jcherry@realtracs.com	City: Fairview	Yrs. on Board: 2 years Zip: 37062

BOARD MEMBER BIOGRAPHICAL INFORMATION

(Please indicate principal officers with *)

16	Name: Rick Craven Employer: Dell, Inc	Street: 2430 Douglas Glenn Lane Email: rick_craven@dell.com	City: Franklin Telephone: 512-289-1125	Zip: 37064 Yrs. on Board: 9 mos.
17	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
18	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
19	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
20	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
21	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
22	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
23	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
24	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
25	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
26	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
27	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
28	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
29	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:
30	Name: Employer:	Street: Email:	City: Telephone:	Zip: Yrs. on Board:

Internal Revenue Service

Department of the Treasury

District
Director

Delaware-Maryland District

31 Hopkins Plaza, Baltimore, MD 21201

JULY 14, 1998

BOYS AND GIRLS CLUB OF
MIDDLE TENNESSEE, INC.
PO BOX 110268
NASHVILLE, TN 37222-0268

P.O. Box 13163, Room 817
Baltimore, MD 21203

Employer Identification Number:
62-0540402

Person to Contact:
EP/EO Tax Examiner

Telephone Number:
(410) 962-6058

Dear Sir/Madam:

This is in response to your inquiry received JULY 10, 1998, requesting a copy of the letter which granted tax exempt status to the above named organization.

Our records show that the organization was granted exemption from Federal Income Tax under section 501(c)(3) of the Internal Revenue Code effective SEPTEMBER, 1954.

We have also determined that the organization is not a private foundation because it is described in section(s) 509(a)(1) and 170(b)(1)(A)(vi).

Donors may deduct contributions to you under section 170 of the Code.

As of January 1, 1984, you are liable for taxes under the Federal Insurance Contributions Act (social security taxes) on remuneration of \$100 or more you pay to each of your employees during the calendar year. You are not liable for the tax imposed under the Federal Unemployment Tax Act (FUTA).

You are required to file Form 990, Return of Organization Exempt from Income Tax, only if your gross receipts each year are normally more than \$25,000. However, if you receive a Form 990 package in the mail, please file the return even if you do not exceed the gross receipts test. If you are not required to file, simply attach the label provided, check the box in the heading to indicate that your annual gross receipts are normally \$25,000 or less, and sign the return.

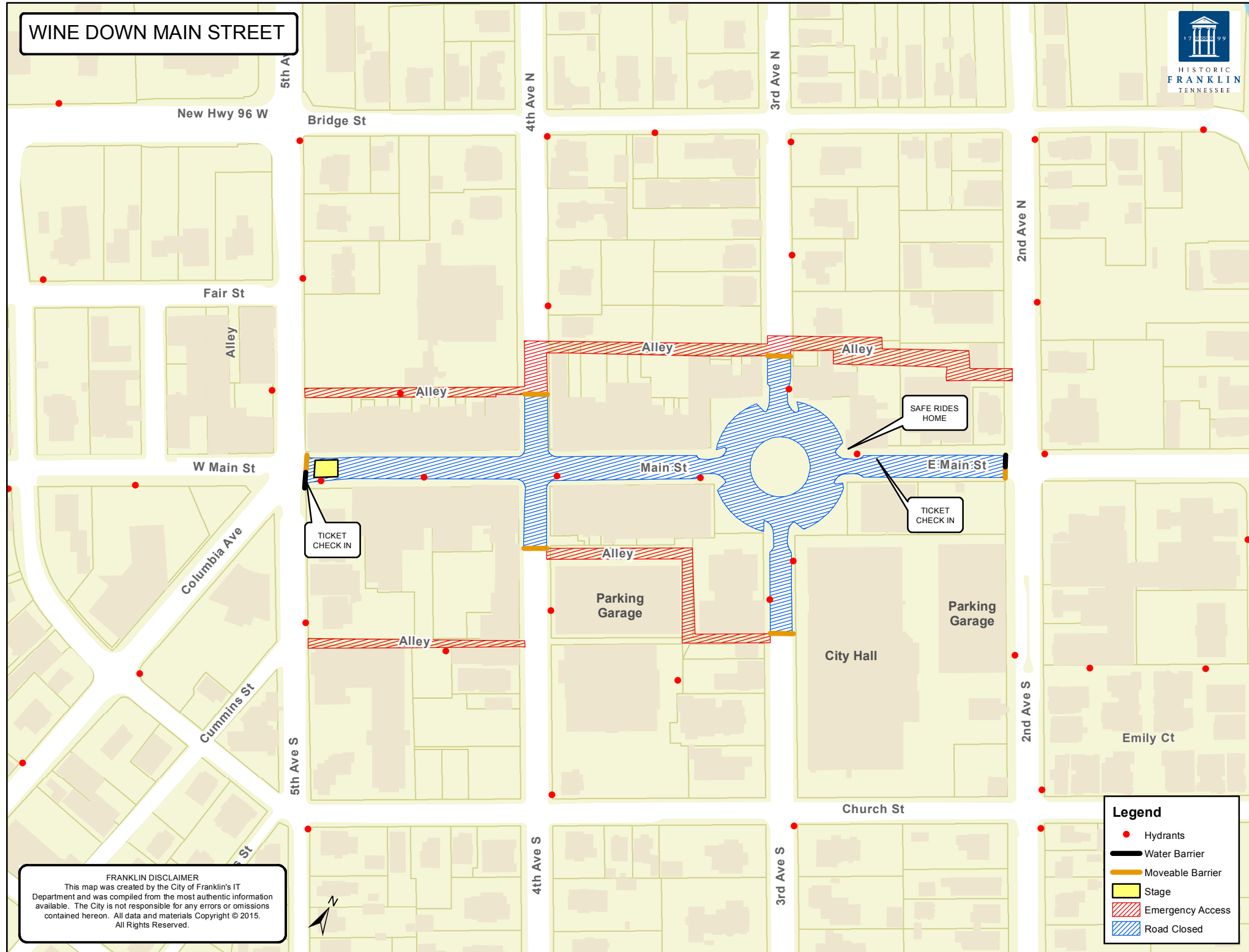
A copy of our letter certifying the status of the organization is not available, however, this letter may be used to verify your tax-exempt status.

Because this letter could help resolve any questions about your exempt status, it should be kept in your permanent records.

Sincerely yours,


Paul M. Harrington

WINE DOWN MAIN STREET



FRANKLIN DISCLAIMER
This map was created by the City of Franklin's IT Department and was compiled from the most authentic information available. The City is not responsible for any errors or omissions contained hereon. All data and materials Copyright © 2015. All Rights Reserved.

Legend

- Hydrants
- Water Barrier
- Moveable Barrier
- Stage
- Emergency Access
- Road Closed



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RETAILER'S CERTIFICATE

Pursuant to T.C.A. §57-3-208, the City of Franklin hereby certifies the following facts concerning application in the name of Jai Guru Dev of Franklin, LLC, owned jointly by the managing agent, Ramesh Surati and Manharbhai Patel, who have made application for a retailer's license to handle alcoholic beverages at 1110 Hillsboro Road, Suite 120a, Franklin, TN 37064 (The Corner Wine and Spirits), which is within the corporate limits of the City of Franklin, Williamson County, Tennessee:

1. The owner(s) who are to be in actual charge of the business have not been convicted of any violation of the laws against possession, sale, manufacture, or transportation of beer or other alcoholic beverages, or of any felony, or of any crime involving moral turpitude, within the past ten (10) years immediately preceding the date of application, and in the opinion of the undersigned, they will not violate any of the provisions of Tennessee Code Annotated, Title 57, Chapter 3;
2. The applicant(s) has secured a location for the business which complies with all restrictions of local law, ordinances, or resolutions, duly adopted by the local authorities as to location.
3. The applicant (by and through one or more of its owners) meets all residency requirements established by local authority under Franklin Municipal Code Section 2-108A.
4. The applicant has complied with local laws, ordinances, and resolutions duly adopted by the local authority regulating the number of retail licenses to be issued within the jurisdiction.

This, the 9th Day of June, 2015.

Dr. Ken Moore
Mayor



January 15, 2015

Mr. Paul Holzen, Director
Engineering Department
City of Franklin
109 Third Avenue South
Franklin, Tennessee 37064

Re: Franklin First United Methodist Church
COF# 2665

Dear Mr. Holzen:

The purpose of this letter is to request the City of Franklin provide an offset of fees levied and roadway improvements associated with the construction of our new facility near the intersection of Mack Hatcher Parkway and Franklin Road. The Church paid \$102,153.00 in Facilities Tax and \$169,504.00 in Road Impact Fees, totaling \$271,657.00.

The Church has invested in the development of the improvements at the intersection of Mack Hatcher Parkway and Spencer Creek Road. These improvements include the dedication of ROW for the new cul-de-sac (Aldersgate Way) which provides access to the church property, the city-owned property to the west, and the ROW reservation along the Church's western property boundary to the Harlinsdale Park boundary. Additionally, modifications to Mack Hatcher Parkway include dual westbound left turn lanes onto Aldersgate Way, a single eastbound deceleration/turn lane onto Aldersgate Way, modifications to the traffic signal, and construction of Aldersgate Way. The costs associated with this work are itemized as follows:

Grading, Drainage, and Pavement for Mack Hatcher Improvements:	\$235,825.00
Signal Modifications	\$ 80,558.00
Signal Design Fee (RPM Transportation Group)	\$ 9,000.00
Roadway Design Fees (BCA)	\$ 20,500.00
Aldersgate Way Construction (new Cul-de-sac)	<u>\$110,000.00</u>
Total:	\$455,883.00

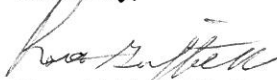


The above numbers do not include the cost of dedicating ROW (0.391 acres) for Aldersgate Way, the 50 foot ROW reservation (1.64 acres) for a future local road along the western property boundary the Church has agreed to provide, and the construction of the greenway path (\$18,000) and pedestrian bridge (\$54,443) connecting the Mack Hatcher path to the south side of Spencer Creek. The cost of the property was \$5,800,000.00 for 107 acres resulting in a unit price per acre of land of \$54,205.60/acre. The sum of land dedicated or reserved equals 2.031 acres at a value of \$110,091.57.

We believe the physical improvements we have invested in are beneficial to the city today and in the future. Therefore, we respectfully request consideration of relief from the road impact fees paid to obtain our building permit and fifty (50) percent of the costs of the roadway improvements listed in paragraph two.

We appreciate your consideration and look forward to hearing from you. Please do not hesitate to contact me at (615) 390-9169 with any questions or concerns.

Sincerely,

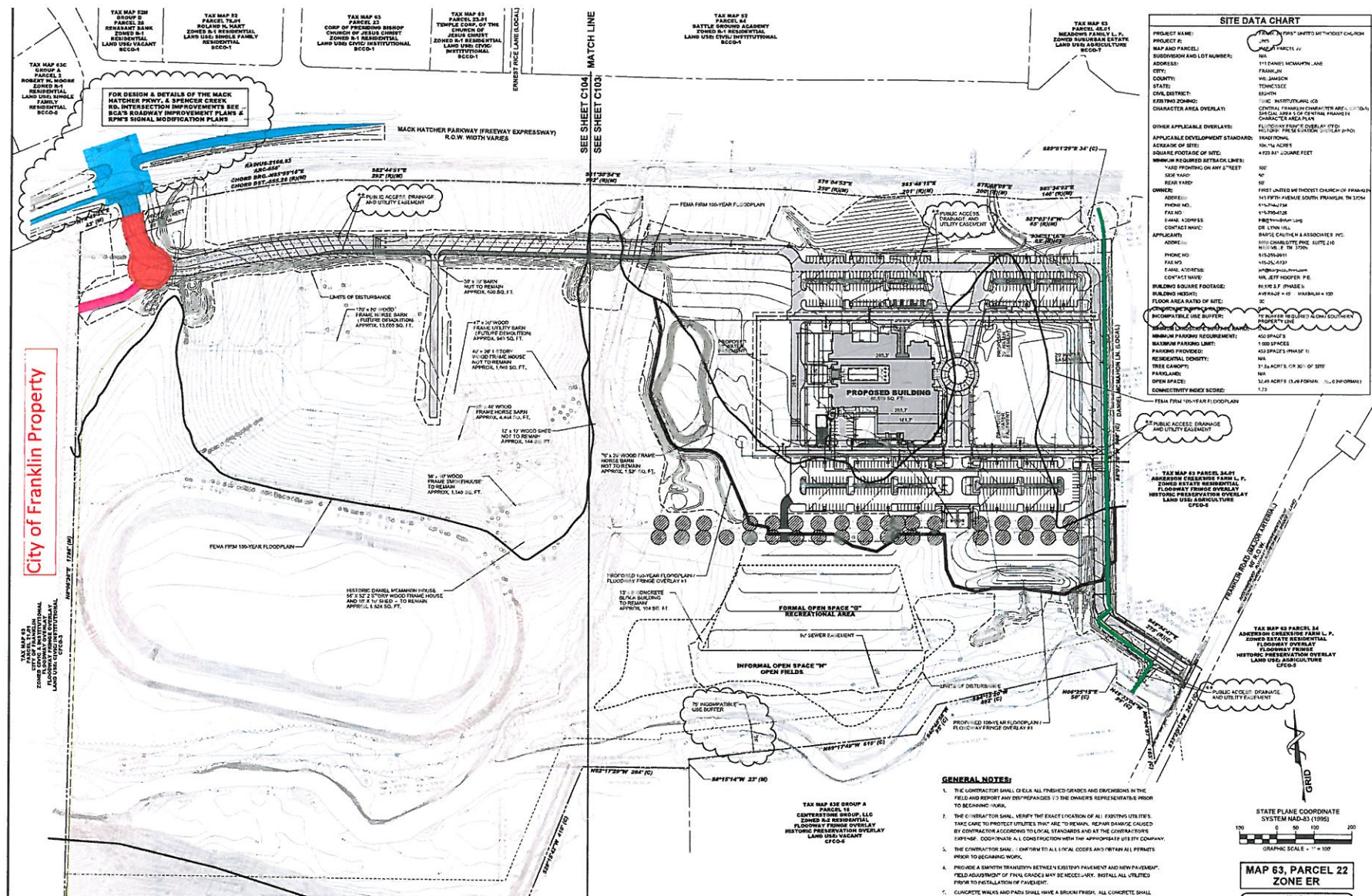


Ronald H. Griffeth

Chairman

FFUMC Building Committee

cc: Dr. Lynn Hill, Senior Pastor
Mr. Brad Wilson, Vice Chair
Mr. Jeff Hooper, Project Engineer



FRANKLIN FIRST UNITED METHODIST CHURCH PUD
SITE PLAN, SECTION 1
ALDERSGATE WAY FRANKLIN, TN

FRANKLIN PROJECT NO. : 2545

SITE PLAN/POST PLANNING (C) COMMISSION SUBMITTAL

16 AUGUST 13

- | | |
|---|--|
|  | Signal Design and Intersection Improvements at Mack Hatcher Parkway and Aldersgate Way |
|  | Aldersgate Way Design, Right-of-Way Dedication and Construction |
|  | 8' Wide Multiuse Trail and Pedestrian Bridge Construction Cost |
|  | Public Access Easement and Access Road Improvements Serving City of Franklin Property |

RESOLUTION 2015-28

A RESOLUTION TO APPROVE A FUNDING REQUEST FROM FRANKLIN FIRST UNITED METHODIST CHURCH

WHEREAS, the Board of Mayor and Aldermen (BOMA) for the City of Franklin, Tennessee (City) unanimously approved Resolution 2010-40, A Resolution Approving a Concept Plan for Franklin First United Methodist Church, Totaling 106.15 Acres Located at 111 Daniel McMahon Lane at the July 27, 2010, Board of Mayor and Aldermen meeting; and

WHEREAS, Franklin First United Methodist Church was required to construct an 8' wide multi-use trail and pedestrian bridge and to construct a public street off Mack Hatcher Parkway to serve its property with an access driveway to serve the adjacent property (Map 063 Parcel 02101) currently owned by the City; and

WHEREAS, Franklin First United Methodist Church has provided the BOMA with a cost estimate of \$72,443 for the construction associated with the 8' wide multi-use trail and pedestrian bridge; and

WHEREAS, Franklin First United Methodist Church has provided the BOMA with a cost estimate of \$14,550 for the construction associated with the access driveway to serve the property (Map 063 Parcel 02101) currently owned by the City of Franklin, TN.

NOW THEREFORE, BE IT RESOLVED by the Board of Mayor and Aldermen of the City of Franklin, Tennessee, that the City Administrator shall be authorized to reimburse Franklin First United Methodist Church based on actual cost for the improvements listed in Option C as shown on Attachment A. Said reimbursements shall be funded from the City's Hotel/Motel Tax Fund for the multi-use trail and pedestrian bridge and from the City's General Fund for the access driveway.

BE IT FURTHER RESOLVED by the Board of Mayor and Aldermen that prior to any reimbursement, Franklin First United Methodist Church shall be required to submitted reliable information related to the final costs of construction of each improvement listed above to

include: invoices and contracts associated with the infrastructure improvements, copies of checks to show proof of payment and notarized release of lien.

IT IS SO RESOLVED AND DONE on this _____ day of _____, 2015

ATTEST:

CITY OF FRANKLIN, TENNESSE

By:_____

ERIC S. STUCKEY
City Administrator

By:_____

Dr. Ken Moore
Mayor

Approved as to Form

By: _____

Shauna R. Billingsley
City Attorney

Resolution 2015-28
Attachment A – Funding Request Reimbursement Scenarios

Option A

\$72,443 Multi-use trail and pedestrian bridge

Option B

\$14,550 Public access to serve a property (Map 063 Parcel 02101) currently owned by the City of Franklin, TN

Option C

\$86,993 Multi-use trail / pedestrian bridge and public access to serve a property (Map 063 Parcel 02101) currently owned by the City of Franklin, TN

Tabulation of Submittals*

Purchasing Office Solicitation No.:		2015-030 (historic cemeteries ground penetrating radar and mapping)				
Notice to proposers published in the Williamson Herald on:		3/5/15				
Number of potential proposers that were notified of / that submitted a proposal in response to this request for proposals:		7 / 6				
Date and time proposal due and publicly opened:		4/9/15 2:00 PM				
Present at opening of proposals:		Linda S. Johnson of Omega Mapping and Dee Settle, Suzanne Ward and Brian Wilcox of the City of Franklin Purchasing Office				
Target meeting of BOMA at which recommendation will be considered:		5/26/15				
Proposals received from:		Does the proposal take any exceptions to the City's procurement solicitation? / If so, how many?	Average points allocated by proposal evaluation team (out of a possible 100, utilizing evaluation criteria as listed in RFP):	Total quoted proposal pricing:	Estimated time of completion of project after receipt of order:	Payment terms:
Proposed is valid and may be accepted through: GEL Geophysics 2152 Northwest Parkway, Suite H Marietta, GA 30067 Jorgen Bergstrom, Director of Operation 770/980-1002 jorgen.bergstrom@gel.com		Yes / 1 (indemnification provisions)	84.25	\$29,500.00	35 calendar days	Net 30 days
GeoModel, Inc. Street: 525-K E. Market St., #315 Leesburg, VA 20176 Mailing: PO Box 1320, Leesburg, VA 20177 Matthew Turner, Vice President 703/777-9788 mat@geomodel.com		Proposal takes no exceptions. However, CoF notes vendor "General Terms and Conditions" submitted with proposal.	92.92	\$29,000.00	30-45 days	Net 30 days
National GPR Service, Inc. 8674 Eagle Creek Circle Savage, Minnesota 55378 Jared J Lampe, President 877/556-4777 Jared.Lampe@nationalgpr.com		Proposal takes no exceptions.	80.69	\$32,833.00	30 days	Net 30 days
Omega Mapping Services PO Box 692 Woodbury, GA 30293 Len Strozier, President and Owner 478/747-3747 len@omegamapping.com		Proposal takes no exceptions. CoF notes vendor "Service Agreement" submitted with proposal includes vendor's standard terms and conditions.	93.19	\$32,697.00	90 days	Net 30 days
The Ottery Group, Inc. 3910 Knowles Avenue Kensington, MD 20895 Thomas Bodor, Vice President 410/353-0401 tom.bodor@otterygroup.com		Proposal takes no exceptions.	76.79	\$40,225.00	120 days	Net 30 days
Utility Locators, LLC 214 East Stevens Street Cookeville, TN 38501 Charles T. Whittenburg, President 931/526-5263 charles@locator.guru		Proposal takes no exceptions.	70.20	\$26,800.00	77 days	Net 30 days

*Shaded submittal is the submittal scored highest by the interview team

CITY OF FRANKLIN, TENNESSEE

PROCUREMENT AGREEMENT

(City of Franklin Contract No. 2015-0116)

THIS PROCUREMENT AGREEMENT ("PROCUREMENT AGREEMENT") is by and between the City of Franklin, Tennessee ("CITY"), and Omega Mapping Services of Woodbury, Georgia ("VENDOR"), who mutually agree as follows:

1. CITY issued (a) on March 6, 2015 Purchasing Office Solicitation No. 2015-030, a procurement solicitation for bids for historic cemeteries ground penetrating radar and mapping, (b) on March 24, 2015 Addendum No. 1 to Purchasing Office Solicitation No. 2015-030 and (c) on March 27, 2015 Addendum No. 2 to Purchasing Office Solicitation No. 2015-030 (collectively, "SOLICITATION").
2. In response to CITY's SOLICITATION, VENDOR submitted a proposal dated April 3, 2015 ("SUBMITTAL"), a copy of which is attached hereto as Attachment No. 1 and hereby incorporated by reference as if fully set forth herein.
3. VENDOR has now also submitted two (2) Certificates of Insurance, a copy of each of which is attached hereto as Attachment No. 2 and hereby incorporated by reference as if fully set forth herein, that meet or exceed CITY's Insurance Requirements as specified in SOLICITATION.
4. If and when insurance coverage documented by Certificates of Insurance referenced above expires before the expiration of any specified term of award, including any extensions thereto, or the supply, delivery and acceptance of the ordered products and/or services, pursuant to this PROCUREMENT AGREEMENT, then VENDOR shall immediately suspend work or supply and delivery unless and until it provides one or more unexpired replacement certificates of insurance that indicates the new date(s) of insurance coverage expiration and that meets or exceeds CITY's Insurance Requirements as specified in SOLICITATION.
5. In the event that insurance coverage documented by Certificates of Insurance referenced above is materially modified or canceled before the expiration of any specified term of award, including any extensions thereto, or the supply, delivery and acceptance of the ordered products and/or services, pursuant to this PROCUREMENT AGREEMENT, then VENDOR shall, immediately upon learning of any such material modification or cancelation, suspend work or supply and delivery and shall, within three (3) calendar days of such learning, notify CITY of any such material modification or cancelation.
6. VENDOR agrees to impose CITY's insurance requirements upon any subcontractors it utilizes for this procurement. Use of any particular subcontractor for this procurement shall have been approved by CITY in advance of that subcontractor commencing work for this procurement.
7. VENDOR included CITY's Indemnification Agreement, executed for VENDOR, in its SUBMITTAL.

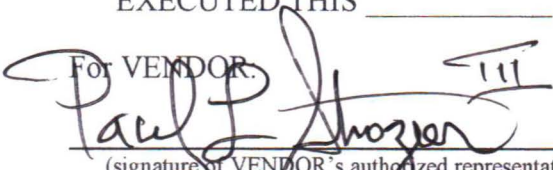
CITY OF FRANKLIN, TENNESSEE PROCUREMENT AGREEMENT

(City of Franklin Contract No. 2015-0116)

8. VENDOR included VENDOR's Ground Penetrating Radar Service Agreement, executed for VENDOR and dated April 3, 2015, in its SUBMITTAL. Said Ground Penetrating Radar Service Agreement is hereby rejected and replaced with a revised version acceptable to CITY and dated May 22, 2015 ("GROUND PENETRATING RADAR SERVICE AGREEMENT"), a copy of which revised version is attached hereto as Attachment No. 3 and hereby incorporated by reference as if fully set forth herein.
9. CITY awarded on June 9, 2015 and now desires to retain VENDOR for historic cemeteries ground penetrating radar and mapping, pursuant to SOLICITATION, SUBMITTAL and GROUND PENETRATING RADAR SERVICE AGREEMENT.
10. In the event of a conflict between the following documents, the order of precedence shall be as follows: (a) this PROCUREMENT AGREEMENT; (b) GROUND PENETRATING RADAR SERVICE AGREEMENT; (c) SOLICITATION; and (d) SUBMITTAL.

EXECUTED THIS _____ DAY OF _____ 20__.

For VENDOR:


(signature of VENDOR's authorized representative)

TITLE:

President, CEO

For CITY:

(signature of CITY's authorized representative)

TITLE:

Mayor

Approved as to Form:

Attorney for City of Franklin

CITY OF FRANKLIN, TENNESSEE
PROCUREMENT AGREEMENT

(City of Franklin Contract No. 2015-0116)

Attachment No. 1

SUBMITTAL

Proposal Submittal Form

a form required of Bidders and Proposers on purchases of supplies, materials, equipment and services for the
City of Franklin, Tennessee

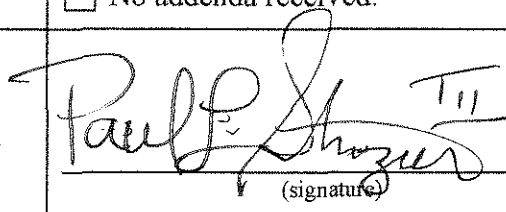
Purchasing Office Solicitation No.: 2015-030

Vendor's name, street address, and mailing address:	Omega Mapping Services P.O. Box 692 Woodbury, Georgia 30293
Vendor's contact person's name (printed), title, telephone number and e-mail address:	Len Strozier President and Owner 478-747-3747 len@omegamapping.com
Does the proposer take any exceptions to the City's procurement solicitation?	☐ Yes, see enclosed. ☒ No, proposer takes no exceptions.
Are exceptions, if any, to the City's procurement solicitation listed, described, compared to the City's intention as expressed and implied by the City's solicitation documents, and submitted?	☐ Yes, see enclosed. ☒ No, proposer takes no exceptions.
Total quoted proposal price for supply and delivery of proposed goods and services:	\$ <u>\$32,697.00</u>
Are the City's preferred delivery terms (FOB destination, freight prepaid and added) acceptable to proposer?	☒ Yes. ☐ No, bidder requests the following delivery terms: _____
Are the City's preferred payment terms (net 30 days from date of delivery or date of invoice, whichever is later) acceptable to proposer?	☒ Yes. ☐ No, proposer requests the following payment terms: _____
Estimated time of completion of project:	<u>90</u> days after receipt of order.
Last date (no sooner than June 30, 2015) that proposal and associated pricing is valid and may be accepted by the City:	<u>August 31, 2015</u>
Method of payment – The City prefers to pay its vendors electronically, either by direct deposit (i.e., "ACH" or "Electronic Funds Transfer"), or by Visa credit card, rather than by conventional check. Which payment method would the bidder prefer?	☒ ACH or Electronic Funds Transfer. ☐ Visa credit card.

Proposal Submittal Form

a form required of Bidders and Proposers on purchases of supplies, materials, equipment and services for the
City of Franklin, Tennessee

Purchasing Office Solicitation No.: 2015-030

Proposer's name:	Omega Mapping Services
Are the following components included with this Proposal Submittal Form in the submittal? - Detailed vendor-supplied description of proposed product(s) and/or service(s); - Identification, listing and description of any exceptions to the procurement solicitation; - Contact information for required references (see Request for Proposals); - Standard Procurement Terms and Conditions of the City of Franklin, with the vendor's contact information inserted; - Vendor terms and conditions, if any, that are not inconsistent with the City's Standard Procurement Terms and Conditions; - Affidavit of Non-Collusion, executed in full; - Affidavit of Title VI Compliance, executed in full; and - A complete digital copy OR two (2) complete duplicate sets of submitted proposal documents per the Instructions for Proposers.	☒ Yes, see enclosed. ☐ No, proposer chooses <u>not</u> to include all of these components (WARNING: doing so may cause the City to deem the proposal non-responsive).
Receipt acknowledged of any and all issued addenda to this solicitation:	☒ Addendum No. <u>1</u> received. ☒ Addenda Nos. <u>2</u> received. ☐ No addenda received.
Signature of proposer's authorized representative: I have received and read, and do understand and consent, to all instructions, terms and conditions, including those imposed by reference, which apply to this procurement solicitation and compliance with which is required as a condition precedent to consideration of the proposal submitted herewith.	 (signature)
Title of proposer's authorized representative:	President
Date of signature:	4/3/2015

ANNOTATED DESCRIPTION OF SERVICES



--- PRICE PROPOSAL ---

**For
Ground Penetrating Radar
and other
Digital Mapping Services**

**For
The City Cemetery and Rest Haven Cemetery
of
Franklin, Tennessee**

April 3, 2015



Dedicated to providing affordable cemetery mapping services.

P.O. BOX 692 Woodbury, GA
Email: len@omegamapping.com

www.omegamapping.com

Business Phone: (478) 747-3747
FAX number (866) 756-3509

April 3, 2015

Mayor and Council
For the City of Franklin, Tennessee

PURPOSE

Client requests this Price Proposal for Ground Penetrating Radar (GPR) and other mapping services for the Rest Haven Cemetery and the City Cemetery of Franklin, Tennessee. The purpose of this contract is to honor the heritage of the community and insure any unmarked burials and any sub-surface obstacles in the acreage are duly noted for future planning and management of the cemeteries.

This plan is being funded in part with funds from the National Park Service of the U.S. Department of Interior, and from the Tennessee Historical Commission and will comply fully with the U.S. Secretary of Interior's Standards of Historic Preservation as interpreted by the state of Tennessee. No archeological excavation of any GPR discovery is requested at this time.

SCOPE

Combined these cemeteries measure approximately 7 acres. For permanent identification purposes, scaled maps of these parcels will be collected noting above ground landmarks, trees, coping, roadways, fencing etc. Unknown burials will also be discovered and collected by Ground Penetrating Radar and noted on digital maps. After underground anomalies are noted, blended with surface discovery, potential new burial spaces will also be noted on the final GIS maps.

TASKS

Task One: Ground Penetrating Radar Collection

- To locate unmarked burials Omega will GPR scan all areas of both cemeteries, including service roads, pathways, and coping located within cemetery fencing.
- Each unmarked burial will be flagged and located on the State Plane Coordinates utilizing survey grade and mapping grade technology.

Task Two: Collection and mapping of Cemetery features

- Omega will utilize GPS survey and mapping grade collection equipment to map all existing burial markers, coping areas, fences, decorative features, trees (minimum of 4" measured 6" above root flare and trees shall be identified by type) and other pertinent features of the cemetery.
- For clarity purposes, First and Last names of known interred will be collected.

Task Three: New Burial spaces noted

- New individual burial spaces will be noted. Omega will layout future burial spaces based on client specifications and the most practical use of available land.

Task Four: GIS Final Presentation to City

- The city will receive scaled, PDF maps of all field discovery utilizing state plane coordinates of all landmarks noted. Final data will be presented to the city in mapping layers that can be imported into the current GIS system.

PROCEDURE

In advance the city will clear debris and cut the grass as close as feasible (< 1.5 inches above the dirt) of the designated areas to be scanned with Ground Penetrating Radar (GPR).

Ground Penetrating Radar Scanning will be done in all areas of the cemetery, including inside coping using the standard Utility Scan using a 400mhz, **Geophysical Survey System (GSSI)** antenna. The GPR scan will include a scan of open spaces within the cemetery service road. The GPR project will be managed, from start to completion, by the site Supervisor.

Simultaneously onsite scaled renderings will be collected with a Trimble Series III Robotic Station, noting surface landmarks, including burial markers, slabs, coping, roadways, etc. To insure a comprehensive rendering, satellite and ground photography will be utilized.

After the Ground Penetrating Radar Scan and surface burial data is collected, new burial spaces will be noted for future reference.

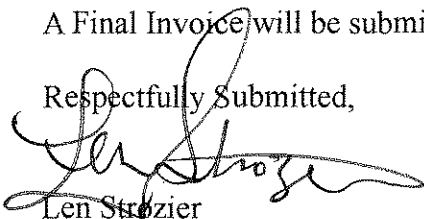
At the conclusion of this mapping process scaled, PDF maps will be submitted to the Mayor and Council noting all GPR discovery and data collected in a GIS format which complies with the city GIS. Four printed and bound copies of the final study will be provided to the city. In addition, an electronic copy, in PDF format of the final study shall also be provided.

TIMELINE

Weather permitting Omega Mapping Services will begin field work of this project ***no later*** than June 15, 2015 and final maps, as stipulated, will be presented to the City of Franklin by August 31, 2015.

A Final Invoice will be submitted to the City no later than September 1, 2015, Net 30.

Respectfully Submitted,



Len Strozier
OMEGA MAPPING SERVICES
478-747-3747

len@omegamapping.com
www.omegamapping.com

--- PRICE PROPOSAL ---

**For
Cemetery mapping services
of the historic
City Cemetery and Rest Haven Cemetery
of
City of Franklin, Tennessee**

April 3, 2015

I. GPR and CEMETERY MAPPING SERVICES

a. On-site scaled GPR-GPS-GIS Map data collected Utilizing state plane coordinates	\$10,640.00
b. Ground Penetrating Radar (10% multi-day discount) GPR of all open areas in the cemetery	\$7,722.00
c. Digital – GIS Drafting of all field discovery	\$9,800.00
d. New available burial spaces layout discovered and noted	\$2,935.00

II. ADDITIONAL EXPENSES

a. Travel, Supplies, Printing, Postage etc.	\$1,600.00
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PROPOSAL PRICE: \$32,697.00



EVALUATING CRITERIA --- ANNOTATED

April 3, 2015

I.

Competency, experience and qualifications of Omega Mapping Services

A. Overview and history of Omega

Having trained and mapped with the owner of Topographix Cemetery Mapping Service, Omega Mapping Service LLC was formed in 2009 using vector graphic software and cutting edge Ground Penetrating Radar (GPR) technology to create precise "as-built" maps of buried infrastructure.

Then in 2012 Omega saw the value of blending GPR technology with a robotic Global Positioning System (Trimble GPS) to create an even more precise mapping product.

Soon thereafter Omega teamed with a municipal GIS consulting firm offering GIS mapping products to communities as a municipal inter-departmental mapping-data management service.

Omega Mapping Services is beginning its 7th year mapping historic cemeteries, of all sizes.

B. Experience and Capabilities

Since December of 2007 Omega has mapped more than 65 small private to large, municipal cemeteries across the southeast.

Omega GPR scanned and GPS mapped the City Cemeteries of Oak Grove and Lake Providence, Louisiana. Combined these cemeteries measured more than 23 acres. We just completed scanning and mapping 3 cemeteries for the Chapel Hill (North Carolina) Historic Society, 19 acres. In September we scanned and mapped 8 acres in two Catholic cemeteries at Devils Lake, North Dakota for the LegacyMark Cemetery Management software company.

C. Key Personnel

Omega GPR technicians are certified by the Geophysical Survey System developers of Salem, New Hampshire. Each GPR tech that will be involved in

the Franklin mapping project have more than 5 years on-the-field, GPR experience. Len Strozier will be the Lead GPR Technician and will be onsite from beginning to completion of all field work.

GPS/GIS post-processing of all field collection will be managed by our partners at GST Consulting Inc. of Augusta, Georgia. GST was founded in 2005 and has managed dozens of municipal GIS projects throughout Georgia and South Carolina. With a background in engineering and survey work Brad Jeffares is a certified Trimble GPS consultant and provider. He is also a consultant using similar products, i.e. ARC, ESRI, and CAD to create GIS maps.

D. Availability of Personnel

The timeline of the Franklin project is less than 3 months from award to completion deadline. Yes. Time will be of the essence but because of the streamline of technology GPR/GPS/GIS --- blended with the experience of Omega and GST, the only uncontrollable time concern will be the weather. Optimum Ground Penetrating Radar scans prefer dry soil conditions.

Because Omega will upload captured field data each day for post processing, turn-around time for this project is within the experience of both firms.

E. Past successes

The timeline of similar projects is determined by size of cemetery as well responsiveness of the client.

Field data collection of seven acres in Franklin should take less than 14 days, weather permitting. If the data is uploaded daily, post processing should be complete within 35-45 days following the last day in the field.

Omega and GST did a similar mapping contract with the City of Covington, Georgia. However the local GIS department chose to host the mapping data we collected to be processed on their city website. There was a response time delay with this scenario thus lengthening the production.

On the other hand, Omega's work with Chapel Hill, mentioned previously, was a clean project. Though the client added numerous changes from the original proposal, once the data was collected, these changes were blended without lengthening the timeline nor, changing the original bid quote. Yes the changes added time to the project but the end product was well received.

The City of Franklin's expectations are clear, well-defined, therefore the expectations and of this timeline should be relatively certain.

- F. **Annotated References-** No conflicts of interest with these references. They all stand alone; two (the Cities of Thomasville and Cartersville) belong to the Georgia Municipal Cemetery Association. Omega Mapping Services is a preferred vendor with the GMCA since 2008.

1. St. Jerome Catholic Cemetery Fort Totten, North Dakota for LegacyMark Cemetery Mapping and Management Company

This parish cemetery is located on a Sioux Indian Reservation and has more than 200 unmarked burial sprinkled within 3 acres of known burials. Omega scanned the acreage, collected GPS points of marked burials as well, the unmarked with the Trimble Series III Robotic station. The data was uploaded to LegacyMark then transposed onto aerial views of the cemetery flawlessly. September 2014 – To date

Contact: **Robert Mills** 284 Overhill Drive, Chambersburg, Pennsylvania 17202 717-263-6238 rob@legacymark.com

2. City of Oxford (Ga) Cemetery -17 acres

This city cemetery much like Franklin. Oxford chose to GPR scan and GPS map acreage over a four year Phase process, one Phase per fiscal year. We are currently mapping Year 3. Omega scans the acreage with GPR, collects GPS points of burials with the Trimble Series III. The data is processed and uploaded then transposed onto 36"x42" digital and hard copy maps of sections of the cemetery. 2012 – To date

Contact: **Lauran Willis, City Clerk** 110 West Clark Street, Oxford, Georgia 770-786-7004 LWillis@oxfordgeorgia.org

3. City of Manchester (Ga) Cemetery – 7 acres

We scanned every inch of the cemetery with Ground Penetrating Radar and collected every monument and landmark with precise GPS location. Only 69 unmarked burials were discovered but more than 1700 jpgs of every burial marker and corners of every coping were taken and shared. Final 36" x 52" hard copy were created January 2014 – To date

Contact: **Kathy Storey, City Manager** 116 Second Street Manchester, Georgia 31816 706-846-3141 citymanager@manchester-ga.gov

4. City of Thomasville (Ga) Cemeteries- 10 acres

Since 2010 Omega has worked with the City Manager's office of Thomasville GPR scanning and GPS mapping sections or entire acreage of four historic cemeteries. In one, 3+ acre, African-American cemetery, The Flipper Cemetery, more than 650 unmarked burials were located and preserved. 2010 – To date

Contact: **Kha McDonald, Senior Assistant City Manager** P.O. Box 1397,
111 Victoria Place, Thomasville, Georgia 31799 229-227-7043
kha@thomasville.org

5. City of Cartersville (Ga) Cemetery – 3 acre

The City of Cartersville chose to GPR scan and GPS map acreage as the budget allows, one section per year. We mapped Section 14 in the Autumn of 2013. Omega scanned the acreage with GPR, then, collected GPS points of unmarked and marked burials with the robotic station. The data was processed in-house and uploaded then transposed onto 36"x24" digital and hard copy maps of Section 14 of the cemetery. 2013 – To date

Contact: **Tommy Sanders, Public Works Director** P.O. Box 1390,
Cartersville, Georgia 770-606-6993 tsanders@cityofcartersville.org

II.

Unique Strength of Omega Mapping Services

1. Exceptional, Value –added Features or Capabilities.

a. The Handshake

We came to your site.

We met with your officers.

We sent the first Price Proposal, from which you received your Grant from the Tennessee Governor's office.

Regularly we are told we are one, of the few Mapping Companies, which will visit the client and preview the cemetery regardless of size, gratis.

We shook your hand. From Concept Day 1 Omega Mapping Services has been your Cemetery Mapping, Ground Penetrating Radar "Go-To" Advisor.

b. Capabilities of those assigned

- Broadly speaking, Ground Penetrating Radar is a new discipline. It is NOT a discipline which can be utilized occasionally and the Technician remain proficient. If it is to be of value to a client it **MUST** be used at least 10-15 working days per month --- in the field. During the past year Omega Mapping Services was GPR scanning in the field at least 10 full days each month, most months we scan more frequently.
- The Trimble Series III Robotic station is THE state-of-the-art survey- grade collector. The supporting post-processing software makes data collection much more reliable than any stand-alone GPS collector of field data. Since 2012 Omega uses the Trimble robotic station in 90% of our cemetery mapping projects.
- GST Consulting, Inc. <http://www.gstconsulting.net/> will do all post processing for this project. Brad Jeffries is considered so adept at blending the use of Trimble and ESRI software he is an Authorized Instructor and provider for both companies. He is considered a municipal GIS leader. Since 2005 he has become a GIS "Go-To" consultant for numerous municipalities in the southeast.

c. Unique strengths

We feel no one has more experience blending GPR, GPS, and GIS than Omega. We know of no company who has created more cemetery maps using these disciplines more than Omega.

There are plenty of GPR companies.

There are plenty of GPS mapping companies.

There are plenty of stand-alone GIS companies.

But no company blends all three disciplines better than Omega.

We would put the overall value to the client against any company.

Affidavit of Non-Collusion

a form required of Bidders and Proposers on purchases of supplies, materials, equipment and services for the
City of Franklin, Tennessee

State of Georgia)
County of Meriwether) SS

Affiant, Paul L. Strozier III, deposes and makes oath that:
(printed name of person signing Affidavit)

1. He or she is the Owner of
(Owner or Authorized Partner, Officer, Representative or Agent of Owner)
Omega Mapping Services, LLC
(legal name of entity submitting bid or proposal)

the Bidder or Proposer who has submitted the attached bid or proposal;

2. The Bidder or Proposer is fully informed respecting the preparation and content of the attached bid or proposal and of all pertinent circumstances respecting such bid or proposal;
3. Such bid or proposal is genuine and is not a collusive or sham bid or proposal;
4. Neither the said Bidder or Proposer nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this Affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any official or agent of the City of Franklin or with any other firm, person, or potential or actual bidder or proposer to submit a collusive or sham bid or proposal in connection with the contract for which the attached bid or proposal has been submitted, or to refrain from bidding or proposing indirectly, or sought by agreement, or collusion, or communication, or conference with any other firm, person, or potential or actual bidder or proposer to fix the price or prices or cost element of the bid, quoted or proposed price or the bid, quoted or proposed price of any other potential or actual bidder or proposer, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the City of Franklin or any person interested in the proposed contract;
5. The price or prices quoted in the attached bid or proposal are fair and proper and are not tainted by a collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this Affiant; and
6. He or she understands that Article VIII, Section 16, of the City Charter of Franklin, and T.C.A. §6-54-107, prohibit any member of the Board of Mayor and Aldermen, or officer elected by said Board, from being interested in any contract, or work of any kind whatever, under its control and direction, and any contract in which any such person shall have an interest shall be void and unenforceable, subjecting any funds received by contractor to be returned in full to the City, in addition to any other penalties provided

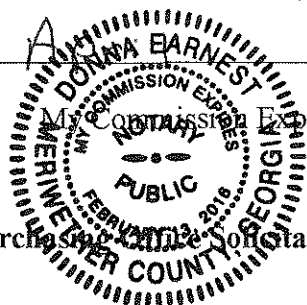
by law.

Paul L. Strozier III
(signature of Affiant)

President, Owner
(title of Affiant)

Sworn and subscribed to before me this 3 day of April, 2015

Donna Earnest
(Notary Public)



My commission expires
February 13 2016

(Submitted in response to City of Franklin Purchase Order No. 2015_030)

Affidavit of Title VI Compliance
a form required of Bidders and Proposers on purchases of services for the
City of Franklin, Tennessee

State of Georgia)
County of Meriwether) SS

Affiant, Paul L. Strozier III, deposes and makes oath that:
(printed name of person signing Affidavit)

1. He or she is the Owner of
(Owner or Authorized Partner, Officer, Representative or Agent of Owner)
Omega Mapping Services, LLC,
(legal name of entity submitting bid or proposal)

the Bidder or Proposer who has submitted the attached bid or proposal;

2. The Bidder or Proposer is fully informed respecting the preparation and content of the attached bid or proposal and of all pertinent circumstances respecting such bid or proposal;
3. No person on the grounds of handicap or disability, age, race, color, religion, sex, national origin or any other class protected by federal and/or Tennessee constitutional, statutory and/or case law shall be excluded from participation in, or denied benefits of, or be otherwise subjected to discrimination in, the performance of the contract that results from the procurement solicitation to which this affidavit is a component, or in the employment practices of the successful Bidder or Proposer during the performance of the contract that results from said procurement solicitation;
4. The successful Bidder or Proposer shall, upon request, show proof of such non-discrimination, and shall post in conspicuous places, available to employees and job applicants, notices of such non-discrimination;
5. If, with the prior consent of the City, the successful Bidder or Proposer subcontracts any portion of the contract that results from the procurement solicitation to which this affidavit is a component, then the successful Bidder or Proposer shall contractually obligate all of its subcontractors for said contract to comply with the same non-discrimination provisions as those required of the successful Bidder or Proposer; and

This Affidavit is made on personal knowledge.

Paul L. Strozier III
(signature of Affiant)

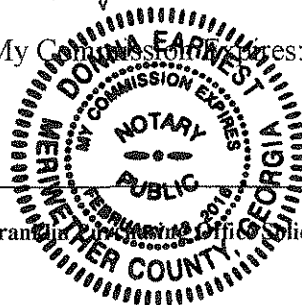
President, Owner
(title of Affiant)

Sworn and subscribed to before me this 3 day of April, 2015

Donna Earnest
(Notary Public)

My Commission Expires:

My commission expires
February 13 2016



Standard Procurement Terms and Conditions

City of Franklin, Tennessee

1. Assignment/Subcontracting. Neither party may assign any rights or obligations under these Standard Procurement Terms and Conditions or any Statement of Work without the prior written consent of the other party. These Standard Procurement Terms and Conditions will be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns. Vendor may subcontract any portion of the work only with the prior consent of the City, but such subcontracting will not relieve Vendor of its duties under these Standard Procurement Terms and Conditions.
2. Time of the Essence. The parties agree that TIME IS OF THE ESSENCE with respect to the vendor's performance of all provisions of this procurement.
3. Taxes. As a tax-exempt entity, the City shall not be responsible for sales or use taxes incurred for products or services. Upon request, the City shall supply Vendor with a copy of its Sales and Use Tax Exemption Certificate. Vendor shall bear the burden of providing its suppliers with a copy of the City's tax exemption certificate and shall assume all liability for such taxes, if any, that should be incurred.
4. Notices. Any notice provided pursuant to these Standard Procurement Terms and Conditions, if specified to be in writing, will be in writing and will be deemed given: (a) if by hand delivery, then upon receipt thereof; (b) if mailed, then three (3) City business days after deposit in the mail where sender is located, postage prepaid, certified mail return receipt requested; (c) if by next day delivery service, then upon such delivery; or (d) if by facsimile transmission or electronic mail, then upon confirmation of receipt. All notices will be addressed to the parties at the addresses set forth below (or set forth in such other document which these Standard Procurement Terms and Conditions may accompany, or such other address as either party may in the future specify in writing to the other):

In the case of the City:

City of Franklin

Attn: Purchasing Manager

Re: City of Franklin Purchasing Office Solicitation No. 2015-030

109 Third Ave. South

P.O. Box 305

Franklin, TN 37065-0305

FAX: 615/550-0079

E-mail: purchasing@franklintn.gov

In the case of Vendor:

Omega Mapping Services

Attn: Len Strozier

P.O. Box 692

Woodbury, Ga 30293

866-756-3509

len@omegamapping.com

Standard Procurement Terms and Conditions

City of Franklin, Tennessee

5. Confidentiality and Proprietary rights. Vendor waives any right to confidentiality of any document, e-mail or file it fails to clearly mark on each page (or section as the case may be) as confidential or proprietary. Proprietary rights do not extend to the data created by the City's users of the System; all rights to that data (including derivative or hidden data such as metadata) shall vest solely in City at the moment of creation and City shall retain exclusive rights, title, and ownership of all data and images created therefrom at the moment of creation and utilization, through and including image creation. City may be required to disclose documents under state or federal law. City shall notify Vendor if a request for documents has been made and shall give Vendor a reasonable opportunity under the circumstances to respond to the request by redacting proprietary or other confidential information. In exchange, Vendor agrees to indemnify, defend, and hold harmless City for any claims by third parties relating thereto or arising out of (i) the City's failure to disclose such documents or information required to be disclosed by law, or (ii) the City's release of documents as a result of City's reliance upon Vendor's representation that materials supplied by Vendor (in full or redacted form) do not contain trade secrets or proprietary information, provided that the City impleads Vendor and Vendor assumes control over that claim.
6. Derivative Works. To the extent that the Agreement contains Vendor's reservation of rights, such definitions and limitations are superseded by the following: "Derivative Work" means a program that is based on or derived from one or more existing programs or components. If the original software is modified to create a new program, a derived work is created. If the original software was designed to accept plug-ins or drivers using a defined mechanism, such a driver or plug-in does not form a derived work. Linking to a library in the way it was designed to be interfaced with, does *not* constitute deriving a work. "Derivative work" is *not* the data that the Licensee inputs, manipulates, modifies or otherwise improves, nor the images resulting therefrom.
7. Arbitration/Mediation. No arbitration shall be required as a condition precedent to filing any legal claim arising out of or relating to the Contract. No arbitration or mediation shall be binding.
8. Waiver. Neither party's failure or delay to exercise any of its rights or powers under these Standard Procurement Terms and Conditions will constitute or be deemed a waiver or forfeiture of those rights or powers. For a waiver of a right or power to be effective, it must be in writing signed by the waiving party. An effective waiver of a right or power shall not be construed as either (a) a future or continuing waiver of that same right or power, or (b) the waiver of any other right or power.
9. Warranties/Limitation of Liability/Waiver. City reserves all rights afforded to local governments under law for all general and implied warranties. The City does not waive any rights it may have to all remedies provided by law and therefore any attempt by Vendor to limit its liability shall be void and unenforceable.
10. Severability. If any term or provision of these Standard Procurement Terms and Conditions is held to be illegal or unenforceable, the validity or enforceability of the remainder of these Standard Procurement Terms and Conditions will not be affected.

Standard Procurement Terms and Conditions

City of Franklin, Tennessee

11. Precedence. In the event of conflict between the provisions of these Standard Procurement Terms and Conditions and any contract, agreement or other document which these Standard Procurement Terms and Conditions may accompany, the provisions of these Standard Procurement Terms and Conditions will to the extent of such conflict take precedence unless such document expressly states that it is amending these Standard Procurement Terms and Conditions.
12. Indemnification. Vendor agrees to indemnify and save the Government of Franklin, the City of Franklin and individual, on or off duty, officers, and employees of the City of Franklin, harmless from any and all losses, damages and expenses, including court costs and attorneys' fees, by reason of any loss, whatsoever, arising out of or relating to or in consequence of the work done in connection with the contract of which this agreement is a part, excepting only such losses as shall be occasioned solely by the negligence of the City of Franklin.
13. Additions/Modifications. If seeking any addition or modification to the Contract, the parties agree to reference the specific paragraph number sought to be changed on any future document or purchase order issued in furtherance of the Contract, however, an omission of the reference to same shall not affect its applicability. In no event shall either party be bound by any terms contained in any purchase order, acknowledgement, or other writings unless: (a) such purchase order, acknowledgement, or other writings specifically refer to the Contract or to the specific clause they are intended to modify; (b) clearly indicate the intention of both parties to override and modify the Contract; and (c) such purchase order, acknowledgement, or other writings are signed, with specific material clauses separately initialed, by authorized representatives of both parties.
14. Applicable Law; Choice of Forum/Venue. These Standard Procurement Terms and Conditions are made under and will be construed in accordance with the laws of the State of Tennessee without giving effect to any state's choice-of-law rules. The choice of forum and venue shall be exclusively in the Courts of Williamson County, TN.
15. Termination. Unless the City has indicated otherwise for a specific procurement solicitation, either party may terminate these Standard Procurement Terms and Conditions, with or without cause, upon thirty (30) calendar days' notice to the other. Upon termination by the vendor, the City shall be entitled to retain ownership of any and all goods and equipment purchased. Upon termination by the City, the vendor shall be entitled to receive any amounts due as a result of goods and equipment already delivered and/or services already rendered; however, the City shall maintain ownership and control of any goods and equipment purchased. Upon termination of services, whether connected or unconnected to goods and equipment, such services shall be rendered until the conclusion of the 30th calendar day as stated in the notice or until a contractual benchmark has been achieved, or as the parties may otherwise agree.

Standard Procurement Terms and Conditions

City of Franklin, Tennessee

16. Breach. Upon deliberate breach of these Standard Procurement Terms and Conditions, or of any contract, agreement or other document which these Standard Procurement Terms and Conditions may accompany, by either party, the non-breaching party shall be entitled to terminate these Standard Procurement Terms and Conditions without notice, with all of the remedies it would have in the event of termination under section 10 ("Severability") above, and may also have such other remedies as it may be entitled to in law or in equity.
17. Default. If Vendor fails to perform or comply with any provision of these Standard Procurement Terms and Conditions, or of any contract, agreement or other document which these Standard Procurement Terms and Conditions may accompany, then the City (i) may cancel the purchase award and/or the accompanying contract or agreement or purchase order, in whole or in part, without penalty or protest by Vendor; (ii) may consider such failure to perform or comply as a breach of contract; (iii) reserves the right to purchase its requirements from the vendor that submitted the next lowest and best responsive and responsible bid, or the vendor that submitted the next best proposal, if that vendor will still honor that bid or proposal, or to seek new bids or proposals, or to pursue one or more other options available to the City in compliance with its then current purchasing policy; and (iv) may hold the defaulting vendor liable for all damages provided by law, including cost of cover.
18. Entire Agreement. These Standard Procurement Terms and Conditions, including any contract, agreement or other document which these Standard Procurement Terms and Conditions may accompany, constitutes the entire agreement between the parties and supersedes any prior or contemporaneous communications, representations or agreements between the parties, whether oral or written, regarding the subject matter of these Standard Procurement Terms and Conditions. The terms and conditions of these Standard Procurement Terms and Conditions may not be changed except by an amendment expressly referencing these Standard Procurement Terms and Conditions by section number and signed by an authorized representative of each party.
19. Survival. These Standard Procurement Terms and Conditions shall survive the completion of or any termination of any contract, agreement or other document which these Standard Procurement Terms and Conditions may accompany.

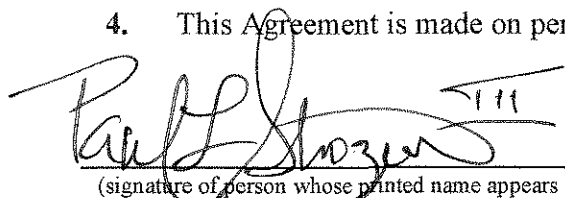
Indemnification Agreement
a form required of Bidders and Proposers on purchases of services for the
City of Franklin, Tennessee

On behalf of Bidder/Proposer, Paul L. Strozier III agrees that:
(printed name of person signing Agreement)

1. He or she is the Owner of
(Owner or Authorized Partner, Officer, Representative or Agent of Owner)
Omega Mapping Services LLC
(legal name of entity submitting bid or proposal)

the Bidder or Proposer who has submitted the attached bid or proposal;

2. The Bidder or Proposer is fully informed respecting the preparation and content of the attached bid or proposal and of all pertinent circumstances respecting such bid or proposal;
3. The Bidder or Proposer agrees to indemnify and save the Government of Franklin, the City of Franklin and individual, on or off duty, officers, and employees of the City of Franklin, harmless from any and all losses, damages and expenses, including court costs and attorneys fees, by reason of any loss, whatsoever, arising out of or relating to or in consequence of the work done in connection with the contract of which this Agreement is a part, excepting only such losses as shall be occasioned solely by the negligence of the City of Franklin; and
4. This Agreement is made on personal knowledge.


(signature of person whose printed name appears above)

President, Owner
(title of person whose printed name appears above)

CITY OF FRANKLIN, TENNESSEE PROCUREMENT AGREEMENT

(City of Franklin Contract No. 2015-0116)

Attachment No. 2

Certificates of Insurance

Certificate Date	Producer	Certificate Number	Certificate Holder	Type of Insurance	Policy Expiration
6/2/2015	Meadows Insurance Agency of Manchester, GA	CL156200681	City of Franklin Tennessee	Commercial General Liability	8/26/2015
				Workers Compensation and Employers' Liability	6/1/2016
				Professional Liability	6/2/2016
5/22/2015	Alan Parker State Farm Insurance Agency of Macon, GA	not indicated	City of Franklin	Automobile Liability	10/14/2015



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/2/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER MEADOWS INSURANCE AGENCY 25 E. Main Street P. O. Box 318 Manchester GA 31816	CONTACT NAME: Sherrie Mullis PHONE (A/C, No, Ext): (706) 846-3161 FAX (A/C, No): (706) 846-4494 E-MAIL ADDRESS: smullis1@windstream.net														
INSURED Omega Mapping Service LLC PO Box 692 Woodbury GA 30293-0692	<table border="1"><thead><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A: Auto-Owners Ins. Co.</td><td>18988</td></tr><tr><td>INSURER B: Liberty Mutual Insurance Corp</td><td></td></tr><tr><td>INSURER C: Evanston Insurance Company</td><td></td></tr><tr><td>INSURER D:</td><td></td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></tbody></table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Auto-Owners Ins. Co.	18988	INSURER B: Liberty Mutual Insurance Corp		INSURER C: Evanston Insurance Company		INSURER D:		INSURER E:		INSURER F:	
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INSURER D:															
INSURER E:															
INSURER F:															

COVERAGES**CERTIFICATE NUMBER:** CL156200681**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS														
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PRO-JECT ☐ LOC OTHER:	X	80177575	8/26/2014	8/26/2015	<table border="1"><tr><td>EACH OCCURRENCE</td><td>\$ 1,000,000</td></tr><tr><td>DAMAGE TO RENTED PREMISES (Ea occurrence)</td><td>\$ 300,000</td></tr><tr><td>MED EXP (Any one person)</td><td>\$ 10,000</td></tr><tr><td>PERSONAL & ADV INJURY</td><td>\$ 1,000,000</td></tr><tr><td>GENERAL AGGREGATE</td><td>\$ 2,000,000</td></tr><tr><td>PRODUCTS - COMP/OP AGG</td><td>\$ 2,000,000</td></tr><tr><td>Premises/Operations</td><td>\$</td></tr></table>	EACH OCCURRENCE	\$ 1,000,000	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000	MED EXP (Any one person)	\$ 10,000	PERSONAL & ADV INJURY	\$ 1,000,000	GENERAL AGGREGATE	\$ 2,000,000	PRODUCTS - COMP/OP AGG	\$ 2,000,000	Premises/Operations	\$
EACH OCCURRENCE	\$ 1,000,000																			
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Premises/Operations	\$																			
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ HIRED AUTOS ☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS					<table border="1"><tr><td>COMBINED SINGLE LIMIT (Ea accident)</td><td>\$</td></tr><tr><td>BODILY INJURY (Per person)</td><td>\$</td></tr><tr><td>BODILY INJURY (Per accident)</td><td>\$</td></tr><tr><td>PROPERTY DAMAGE (Per accident)</td><td>\$</td></tr><tr><td></td><td>\$</td></tr></table>	COMBINED SINGLE LIMIT (Ea accident)	\$	BODILY INJURY (Per person)	\$	BODILY INJURY (Per accident)	\$	PROPERTY DAMAGE (Per accident)	\$		\$				
COMBINED SINGLE LIMIT (Ea accident)	\$																			
BODILY INJURY (Per person)	\$																			
BODILY INJURY (Per accident)	\$																			
PROPERTY DAMAGE (Per accident)	\$																			
	\$																			
	UMBRELLA LIAB ☐ OCCUR EXCESS LIAB ☐ CLAIMS-MADE DED ☐ RETENTION \$					<table border="1"><tr><td>EACH OCCURRENCE</td><td>\$</td></tr><tr><td>AGGREGATE</td><td>\$</td></tr><tr><td></td><td>\$</td></tr></table>	EACH OCCURRENCE	\$	AGGREGATE	\$		\$								
EACH OCCURRENCE	\$																			
AGGREGATE	\$																			
	\$																			
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N Y N/A	WC5-35S-546843-015	6/1/2015	6/1/2016	<table border="1"><tr><td>☒ PER STATUTE ☐ OTH-ER</td><td></td></tr><tr><td>E.L. EACH ACCIDENT</td><td>\$ 1,000,000</td></tr><tr><td>E.L. DISEASE - EA EMPLOYEE</td><td>\$ 1,000,000</td></tr><tr><td>E.L. DISEASE - POLICY LIMIT</td><td>\$ 1,000,000</td></tr></table>	☒ PER STATUTE ☐ OTH-ER		E.L. EACH ACCIDENT	\$ 1,000,000	E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000	E.L. DISEASE - POLICY LIMIT	\$ 1,000,000						
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E.L. EACH ACCIDENT	\$ 1,000,000																			
E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000																			
E.L. DISEASE - POLICY LIMIT	\$ 1,000,000																			
C	Professional Liability		E0860391	6/2/2015	6/2/2016	<table border="1"><tr><td>Each Occurrence</td><td>1,000,000</td></tr><tr><td>General Aggregate</td><td>1,000,000</td></tr></table>	Each Occurrence	1,000,000	General Aggregate	1,000,000										
Each Occurrence	1,000,000																			
General Aggregate	1,000,000																			

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

This document is issued as a matter of information only and confers no rights upon the document holder. This document does not amend, extend, or alter the coverage, terms, exclusions, conditions or other provisions afforded by the policy referenced herein.

CERTIFICATE HOLDER

brianw@franklintn.gov

City of Franklin Tennessee
109 3rd Ave. South
Franklin, TN 37064

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Sherrie Mullis/SCM

© 1988-2014 ACORD CORPORATION. All rights reserved.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED EXCLUSION - PRODUCTS-COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART.

SCHEDULE

Name of Person or Organization (Additional Insured):

City of Franklin
109 3rd Avenue South
Franklin, TN 37064

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

- A. Under **SECTION I - COVERAGES, COVERAGE A. BODILY INJURY AND PROPERTY DAMAGE LIABILITY, 2. Exclusions**, the following exclusion is added:

2. Exclusions

This insurance does not apply to:

The Additional Insured for the "products-completed operations hazard".

- B. Under **SECTION II - WHO IS AN INSURED**, the following is added:

The person or organization shown in the above Schedule is an Additional Insured, but only with respect to liability arising out of "your work" for that insured by or for you.

- C. Under **SECTION III - LIMITS OF INSURANCE**, the following is added:

The limits of liability for the Additional Insured are those specified in the written contract or agreement between the insured and the owner, lessee or contractor, not to exceed the limits provided in this policy. These limits are inclusive of and not in addition to the limits of insurance shown in the Declarations.

- D. Under **SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 4. Other Insurance**, the following is added:

This insurance is primary for the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" for that person or organization by or for you. Other insurance available to the person or organization shown in the Schedule will apply as excess insurance and not contribute as primary insurance to the insurance provided by this endorsement.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/22/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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	PRODUCER	ALAN PARKER STATE FARM INSURANCE AGENCY 4909 FORSYTH RD MACON, GA 31210	CONTACT NAME: NANCY PAQUET PHONE (A/C, No, Ext): 478-475-0075 E-MAIL: nancy.paquet.szcz@statefarm.com ADDRESS: nancy.paquet.szcz@statefarm.com	FAX (A/C, No): 478-475-0504
	INSURED	PAUL L STROZIER III PO BOX 692 WOODBURY, GA 30293-0692	INSURER(S) AFFORDING COVERAGE INSURER A: State Farm Mutual Automobile Insurance Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	
			NAIC # 25178	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☐ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER ☐ POLICY ☐ PRO-JECT ☐ LOC ☐ OTHER						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ OTHER \$
	AUTOMOBILE LIABILITY ☒ ANY AUTO ☒ ALL OWNED AUTOS ☒ HIRED AUTOS ☐ SCHEDULED AUTOS ☒ NON-OWNED AUTOS			314-2213-D14-11F	04/14/2015	10/14/2015	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ 1,000,000 BODILY INJURY (Per accident) \$ 1,000,000 PROPERTY DAMAGE (Per accident) \$ 1,000,000 OTHER \$
	UMBRELLA LIAB ☐ EXCESS LIAB ☐ DED ☐ RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ OTHER \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	☐ Y ☒ N	☐ I ☒ A				PER STATUTE ☐ OTH-ER ☐ E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CITY OF FRANKLIN
109 THIRD AVE S
FRANKLIN, TN 37064

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



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CITY OF FRANKLIN, TENNESSEE
PROCUREMENT AGREEMENT

(City of Franklin Contract No. 2015-0116)

Attachment No. 3

GROUND PENETRATING RADAR SERVICE AGREEMENT



P.O. Box 692 Woodbury, Georgia 30293*

Ground Penetrating Radar Service Agreement

478-747-3747
len@omegamapping.com

Contract City of Franklin, Tennessee Date 5/22/2015
Contact Name c/o/Mr. Brian Walker (brian.walker@franklintn.gov) Job # 1-Franklin TN
Address City Hall Suite 107, 109 3rd Ave. South Terms: Agreement
City Franklin State Tenn Zip 37064 Phone 615-598-4155

The production time includes all requirements to secure field data for overview and subsectional cemetery map. The maps will include map labeling, boundary and property lines as defined by on-site observation.

Breakdown of Production Cost:

1. On Site Rendering Overview Map-to delineate existing cemetery property and burial parcels - \$10,640.00
2. Ground Penetrating Radar (Utility Scan) of open areas of cemetery - \$7,722.00
3. All drafting requirements for plan view (overview) and sub-sectional maps as required - \$9,800.00
4. Map new available burial spaces - \$2,935.00
5. Travel, Lodging, per diem, supplies - \$1,600.00

Total Price Proposal: \$32,697.00

Please return signed copy of this agreement to: OMEGA MAPPING SERVICES

Agreement: Client acknowledges that it has been informed by Omega Mapping Services that the use of Ground Penetrating Radar (GPR) is not error free and there are limitations on the use of GPR to locate buried or embedded objects in the ground or in structures (for example, field conditions, soil moisture content, material type, masking of deeper embeddings by shallow and thickness of the material to which the GPR Services are to be applied; and only center-lines of embedded objects can be located) which make GPR less precise than other embedded object location technologies such as X-ray.

Notwithstanding such information, Client desires to engage Omega Mapping Services for GPR Services. Additionally Omega Mapping Services may rely on statements and plans of Client's representatives (including on-site employees or employees or representatives of contractors or subcontractors working for Client) as to the characteristics of the structure or location to be tested using GPR Services.

Client agrees that it shall have the sole responsibility for the use of any information obtained as a result of the GPR Services, including reliance on any data therefrom in order to determine the location of drilling operations or other penetration of the location, area or structure to which the GPR Services are applied. Omega Mapping Services has no responsibility or obligation other than to deliver the GPR Service and the results obtained from application of GPR. How and when the work product from the GPR Services shall be used (or not used) shall be in the sole and exclusive discretion of the Client and Omega Mapping Services shall have no obligation or responsibility to Client after the required GPR Services are completed and the work product is delivered.

Disclaimer: Omega Mapping Services makes no warranty, express or implied, that the GPR services will be error-free or provide all information necessary for client to take any action (or refrain from action) based on the results. The City of Franklin acknowledges the cemetery is within the flood plain and has flooded numerous occasions within the previous 100 years therefore limiting the viability of GPR data discovery. To the extent permitted by Tennessee law, Omega Mapping Services shall not be liable to the customer for any damages as a result of performance or failure to perform GPR services. The GPR report is based upon Omega Mapping Services interpretation of the data and is provided solely for illustration and information purposes. To the extent permitted by Tennessee law, Omega Mapping Services is not responsible for any loss or damage caused, arising out of the use of, or reliance on the data collected or the report generated. END

Client Signature

Paul L. Strozier

Date

Date

5/22/2015

* Shaded bid is apparent lowest best bid

CITY OF FRANKLIN, TENNESSEE PROCUREMENT AGREEMENT

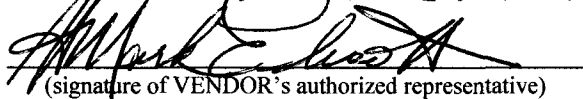
(City of Franklin Contract No. 2015-0123)

THIS PROCUREMENT AGREEMENT ("AGREEMENT") is by and between the City of Franklin, Tennessee ("CITY"), and Communications Group, Inc., d/b/a CommTech of Nashville, Tennessee ("VENDOR"), who mutually agree as follows:

1. CITY issued (a) on April 16, 2015 Purchasing Office Solicitation No. 2015-025, a procurement solicitation for bids for supply and delivery of a minimum of three (3) new and unused Federal Signal brand outdoor warning sirens and related equipment, and the same number of new and unused steel poles, and (b) on April 28, 2015 Addendum No. 1 to Purchasing Office Solicitation No. 2015-025 (collectively, "SOLICITATION").
2. In response to CITY's SOLICITATION, VENDOR submitted a bid dated May 4, 2015 ("SUBMITTAL"), a copy of which is attached hereto as Attachment No. 1 and hereby incorporated by reference as if fully set forth herein.
3. VENDOR has now also submitted contact information for a minimum of three references, a copy of which is attached hereto as Attachment No. 2 and hereby incorporated by reference as if fully set forth herein.
4. VENDOR has now also submitted CITY's Standard Procurement Terms and Conditions, with VENDOR's contact information inserted, a copy of which is attached hereto as Attachment No. 3 and hereby incorporated by reference as if fully set forth herein.
5. CITY awarded on June 9, 2015 and now desires to retain VENDOR for supply and delivery of exactly three (3) new and unused Federal Signal brand outdoor warning sirens and related equipment, and the same number of new and unused steel poles, pursuant to SOLICITATION and SUBMITTAL.
6. In the event of a conflict between the following documents, the order of precedence shall be as follows: (a) this AGREEMENT; (b) SOLICITATION; and (c) SUBMITTAL.

EXECUTED THIS _____ DAY OF _____ 20__.

For VENDOR: W. MARK ENDICOTT


(signature of VENDOR's authorized representative)

TITLE: PRESIDENT
COMMUNICATIONS GROUP, INC.

For CITY:

(signature of CITY's authorized representative)

TITLE: Mayor

Approved as to Form:

Attorney for City of Franklin

**CITY OF FRANKLIN, TENNESSEE
PROCUREMENT AGREEMENT**

(City of Franklin Contract No. 2015-0123)

Attachment No. 1

SUBMITTAL

Revised* Bid Submittal Form

a form required of Bidders and Proposers on purchases of supplies, materials, equipment and services for the
City of Franklin, Tennessee

Purchasing Office Solicitation No.: 2015-025

Vendor's name, street address, and mailing address:		Communications Group, Inc. dba CommTech 441 Donelson Pike, Suite 420 P.O. Box 148242 Nashville, TN 37214	
Vendor's contact person's name (printed), title, telephone number and e-mail address:		Steven M. Rich, Sec/VP 615-889-4756 steve@commtechradio.com	
Item No.:	Description:	FEDERAL SIGNAL CORP. Bid make and model:	Total quoted bid price per unit, supplied and delivered:
1	mechanical outdoor warning siren and related equipment	2001-130-DC	\$ 20,009.00
2	50' painted steel pole	TK-POGALB1-PAINT	\$ 5,925.00
3.1	electronic outdoor warning siren and related equipment	106 dB(C) @ 100'	\$ 17,716.00
3.2		112 dB(C) @ 100'	\$ 20,387.00
3.3		115 dB(C) @ 100'	\$ 23,224.00
3.4		118 dB(C) @ 100'	\$ 25,967.00
3.5		120 dB(C) @ 100'	\$ 28,824.00
3.6		121 dB(C) @ 100'	\$ 31,547.00
3.7		124 dB(C) @ 100'	\$ 36,395.00
4	40' unpainted steel pole	TK-PO-GALBPOL2	\$ 5,875.00
Duration of warranties as included in the bid pricing:	for all sound producing components of the siren (not less than five (5) years):		<u>5</u> years.
	for 50' painted steel pole:		<u>1</u> years.
	for 40' unpainted steel pole:		<u>1</u> years.
	for other non-sound producing components of the siren:		<u>1</u> years.
NOTE: SEE ATTACHED WARRANTY STATEMENT.			
INSTALLATION AVAILABLE: POLE, SIREN, AND SET-UP \$7,500.00 EACH.			

Revised* Bid Submittal Form

a form required of Bidders and Proposers on purchases of supplies, materials, equipment and services for the
City of Franklin, Tennessee

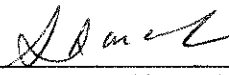
Purchasing Office Solicitation No.: 2015-025

Vendor's name:	Communications Group, Inc. dba CommTech
Does the bidder take any exceptions to the City's procurement solicitation?	☐ Yes, see enclosed. ☒ No, bidder takes no exceptions.
Are exceptions, if any, to the City's procurement solicitation listed separately, described, compared to the City's intention as expressed and implied by the City's solicitation documents and submitted?	☐ Yes, see enclosed. ☒ No, bidder takes no exceptions.
Are the City's preferred delivery terms (FOB destination, freight prepaid and added) acceptable to bidder?	☒ Yes. ☐ No, bidder requests the following delivery terms: _____.
Are the City's preferred payment terms (net 30 days from date of delivery or date of invoice, whichever is later) acceptable to bidder?	☒ Yes. ☐ No, bidder requests the following payment terms: _____.
Estimated time of delivery:	<u>90 To 120</u> days after receipt of order.
Last date (no sooner than July 31, 2015) that bid and associated pricing is valid and may be accepted by the City:	<u>July 31, 2015</u>
Last date (no sooner than October 31, 2015) that bid price on a per unit basis is valid for potential future orders:	<u>October 31, 2015</u>
Method of payment – The City prefers to pay its vendors electronically, either by direct deposit (i.e., "ACH" or "Electronic Funds Transfer"), or by Visa credit card, rather than by conventional check. Which payment method would the bidder prefer?	☒ ACH or Electronic Funds Transfer. ☐ Visa credit card.

Revised* Bid Submittal Form

a form required of Bidders and Proposers on purchases of supplies, materials, equipment and services for the
City of Franklin, Tennessee

Purchasing Office Solicitation No.: 2015-025

Vendor's name:	<u>Communications Group, Inc, dba CommTech</u>
Are the following components included with this Bid Submittal Form in the bid submittal? • Detailed vendor-supplied description of bid product(s) or item(s); • Detailed vendor-supplied description of the warranty(ies) included in the pricing; • City of Franklin specifications for this procurement, marked by the bidder as to compliance therewith as per the instructions therein; • Detailed vendor-supplied identification, listing and description of any exceptions to the written specifications as per the instructions therefor; • Vendor-supplied contact information for minimum of three references; • City of Franklin Standard Procurement Terms and Conditions, with the vendor's contact information inserted; • Vendor proposed terms and conditions, if any, that are not inconsistent with the City's Standard Procurement Terms and Conditions; • City of Franklin Affidavit of Non-Collusion, executed in full; and • A complete digital copy of submitted bid documents per the Instructions for Bidders.	☒ Yes, see enclosed. ☐ No, bidder chooses not to include all of these components (NOTE: doing so may cause the City to deem the bid non-responsive).
Receipt acknowledged of any and all issued addenda to this solicitation:	☒ Addendum No. <u>1</u> received. ☐ Addenda Nos. _____ received. ☐ No addenda received.
Signature of bidder's authorized representative: I have received and read, and do understand and consent, to all instructions, terms and conditions, including those imposed by reference, which apply to this procurement solicitation and compliance with which is required as a condition precedent to consideration of the bid submitted herewith.	 _____ Steven M. Rich (signature)
Title of bidder's authorized representative:	<u>VP/Sec</u>
Date of signature:	<u>05-04-2015</u>

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

1. Solicitation identified: These specifications apply to the following procurement:
a minimum of three (3) new and unused Federal Signal brand outdoor warning sirens and related equipment, and the same number of new and unused steel poles
Purchasing Office Solicitation No.: 2015-025
2. Notice to Bidders publication date: **April 16, 2015**
3. Solicitation release date: **April 16, 2015**
4. Deadline for optional submittal in writing of questions seeking to revise or clarify any aspect of this procurement solicitation: **April 28, 2015, 2:00 p.m. Central Time**
5. Bids submittal deadline and scheduled opening: **May 5, 2015, 2:00 p.m. Central Time**
6. Tentative date of release of City's tabulation of bids received and notice of intent to award: **May 22, 2015**
7. Tentative date of award: Meeting of Board of Mayor and Aldermen at which is tentatively scheduled to be awarded the selection of the lowest and best responsive and responsible bid: **June 9, 2015**
8. Objective: To secure, on behalf of the City of Brentwood, Tennessee, the City of Franklin, Tennessee, Williamson County, Tennessee and Williamson County (Tennessee) Schools, by means of a competitive procurement process, the selection of the lowest and best responsive and responsible bid from a vendor to furnish all materials and means necessary to supply and deliver a minimum of three (3) new and unused Federal Signal brand outdoor warning sirens and related equipment, and the same number of new and unused steel poles, as specified below. See the accompanying Instructions for Bidders for additional information and instructions.
9. Exceptions:
 - a. In order to avoid the need to take an exception to a specification, potential bidders may request revisions to the specifications before the deadline for optional submittal in writing of questions seeking to revise or clarify any aspect of the specifications. See the accompanying Instructions for Bidders for contact information.
 - b. Any deviation or variance from the City's specifications shall be considered to be an exception.

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

- c. Any exceptions to the City's specifications shall be identified by the bidder on the City's specifications document as well as listed and described in detail, along with any other exceptions to this procurement solicitation, in a separate written document to be prepared and submitted by the bidder, referencing any subsection number. Such listing shall include a description of exactly how such exceptions deviate from the City's expectations as expressed and implied by the procurement solicitation, and shall indicate why such exceptions should be judged by the City to meet or exceed those expectations. Any and all exceptions to this procurement solicitation which the City, in its sole discretion, deems not to meet or exceed the City's intention as expressed and implied by the procurement solicitation may be considered by the City as a factor in evaluating the bid.

10. General terms and conditions:

- a. Bid price: The bid price shall include all equipment, labor, materials, permit(s), freight and required insurance to supply and deliver the specified products.
- b. Delivery terms: As a matter of practice, the City of Franklin expects vendor to ship any and all deliverables FOB destination, freight prepaid and added. The City's preferred delivery terms, as described in the preceding sentence, are offered to the bidder or proposer as a condition of award. If the City's preferred delivery terms are unacceptable to the bidder or proposer, then the bidder or proposer shall indicate on the Submittal Form its preferred delivery terms. Delivery terms may be a factor in the City's selection criteria. Delivery terms are non-negotiable after award is made.
- c. Payment terms: As a matter of practice, the City of Franklin pays for goods and/or services only after receipt and acceptance by the City of such goods and/or services, and only after receipt of an accurate, proper, complete and itemized invoice for such goods and/or services, net 30 calendar days from date of delivery and/or completion/installation/rendering or date of invoice, whichever is later. The City's preferred payment terms, as described in the preceding sentence, are offered to the bidder or proposer as a condition of award. If the City's preferred payment terms are unacceptable to the bidder or proposer, then the bidder or proposer shall indicate on the Submittal Form its preferred payment terms. Payment terms may be a factor in the City's selection criteria. Payment terms are non-negotiable after award is made.
- d. Applicable laws and regulations: All applicable federal and state laws, city ordinances, orders, rules and regulations of all authorities having jurisdiction over the specified products shall apply to the quoted purchase price, and they will be deemed to be included in these specifications the same as though they are written out in full herein.
- e. Standard Procurement Terms and Conditions: By submitting its bid, the vendor certifies that it has read and accepts all terms, conditions and requirements of this solicitation, including the terms and conditions identified and listed in the City of Franklin Standard Procurement Terms and Conditions attached hereto and hereby incorporated by reference.
- f. Refusal to honor submittal: If and after an award is made by the City, if the vendor refuses to execute an agreement or contract or in any other way honor the terms and

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

conditions of its submittal, the City shall be entitled to seek compensation for its damages, which may include the cost of conducting a new solicitation.

- g. Confidential and/or proprietary information; trade secrets. All contents of all submittals are subject to public disclosure and shall not contain any confidential and/or proprietary information and/or trade secrets. Further, by submitting its bid, the vendor indemnifies and holds the City of Franklin harmless against any loss or damage, including reasonable attorney fees, it may incur as a result of the City's reliance upon the vendor's representation that materials supplied by the vendor do not contain trade secrets or proprietary information which is not subject to public disclosure.

11. Detailed specifications: Please note:

- Bidders are required to submit with their bid a detailed description of all bid products and/or items.
- Bidders are required to mark with a "C" the blank line next to any specification below to which their bid COMPLIES.
- Bidders are required to mark with an "E" the blank line next to any specification below to which their bid takes EXCEPTION.
- Any exceptions to the City's specifications shall be identified by the bidder on the City's specifications document as well as listed and described in detail, along with any other exceptions to this procurement solicitation, in a separate written document to be prepared and submitted by the bidder, referencing any subsection number. Such listing shall include a description of exactly how such exceptions deviate from the City's expectations as expressed and implied by the procurement solicitation, and shall indicate why such exceptions should be judged by the City to meet or exceed those expectations.
- Bidders are required to submit with their bid these Specifications for this procurement, marked by the bidder as to compliance herewith as per the instructions above.

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

- 11.1. C Multiple agencies; quantities; quoted unit pricing:**
- 11.1.1. C** Relative to the preparation and issuance of this procurement solicitation and any award made as a result of this procurement solicitation, the City of Franklin is acting on behalf of the City of Brentwood, Tennessee, the City of Franklin, Tennessee, Williamson County, Tennessee and Williamson County (Tennessee) Schools.
- 11.1.2. C** Following any award, each of the aforementioned agencies would decide separately and independently as to whether to place an order pursuant to the award and, if an order is placed, each of the agencies would place the order directly with, and make payment directly to, the successful bidder (that is, the vendor who is recommended be awarded the purchase).
- 11.1.3. C** Prior to and as a condition of placing any order, each of the aforementioned agencies may request that the successful bidder honor that agency's standard procurement terms and conditions. Such terms and conditions may be declined by the successful bidder and may be negotiated by the parties to the potential order. The standard procurement terms and conditions contained and referenced herein apply only to the City of Franklin.
- 11.1.4. C** Subject to the above provisions and to the results of the bidding process, the aforementioned agencies may purchase up to the following quantities of the specified equipment and supplies:
- | Agency | Type | Quantity |
|---|------------|----------|
| City of Brentwood, Tennessee | Electronic | 1 |
| City of Franklin, Tennessee | Mechanical | 3 |
| Williamson County, Tennessee or Williamson County (Tennessee) Schools | Mechanical | 1 |
- 11.1.5. C** Unit pricing as quoted by bidders shall apply regardless of quantity ordered. The aforementioned agencies other than the City of Franklin make no guarantee that any particular quantity will in fact be ordered pursuant to this procurement solicitation.
- 11.1.6. C** For bid evaluation and award purposes only, the City will assume the purchase of a quantity of four (4) mechanical sirens as specified and four (4) 50-foot painted steel poles as specified, and a quantity of zero (0) electronic sirens as specified and zero (0) 40-foot unpainted steel poles as specified.

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

- 11.2. General:**
- 11.2.1. C** City intends for the specified items to be used by local government emergency services to alert a portion of its outdoor population of pending or imminent tornados when possible. Items as bid shall be designed and manufactured according to industry standards for this intended use.
- 11.2.2. C** The sirens must be Omni-directional and include the siren projector, controllers, two-way activation and status-monitoring radio control, antennas, antenna cables, and all mounting hardware necessary to install a complete siren on a galvanized steel pole painted flat black.
- 11.2.3. C** The sirens proposed must be 100% compatible with the existing Federal Siren SS2000™ controller and FSCDWARE™ software. No parallel or simultaneous or equivalent systems will be accepted.
- 11.2.4. C** The City requires that all sirens are capable of operating on both AC and DC power. The AC operation with battery backup must allow these sirens to operate from a 220/240 VAC power source without the use of the batteries. During a power failure, an automatic switchover to battery operation must occur to maintain the siren's normal operation.
- 11.2.5. C** All equipment and vendors must comply with all applicable government regulatory specifications, particularly FEMA and OSHA.
- 11.2.6. C** The manufacturer shall be ISO 9001 Certified.
- 11.2.7. C** The siren control units shall be UL Listed.
- 11.2.8. C** All components, wiring and mounting hardware must be supplied to assure that a fully operational siren will be furnished. The equipment must include all mounting hardware to install a complete siren on a pole.
- 11.2.9. C** Items are to be purchased new and unused by the City.
- 11.2.10. C** Purchased items shall be current model year only.
- 11.2.11. C** For any listed or unlisted features for which no specification is listed, items are to meet or exceed manufacturer's standard specifications.

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

11.3.		<u>Mechanical Siren:</u>
11.3.1.	<u>C</u>	Federal 2001-130.
11.3.2.	<u>C</u>	The siren shall have an Underwriters Laboratory (UL) listing for both AC and DC.
11.3.3.	<u>C</u>	Voltage: 48VDC.
11.3.4.	<u>C</u>	Operating Current: 100 amps (Nominal).
11.3.5.	<u>C</u>	Decibel Output: 130dBc at 100 feet.
11.3.6.	<u>C</u>	Beam Width: 60°.
11.3.7.	<u>C</u>	Effective Range @ 70dBc: 6,200.00 feet.
11.3.8.	<u>C</u>	Rotation Speed: 2 to 6 RPM (adj.).
11.3.9.	<u>C</u>	Continuous Signal Time: (DCFC) 15 minutes minimum at full output (After AC power failure).
11.3.10.	<u>C</u>	Standby Time: (DCFC) 20+ days with 5 minutes full signal reserve.
11.3.11.	<u>C</u>	Operating Temperature Minimum: -22.00 °F.
11.3.12.	<u>C</u>	Operating Temperature Maximum: 140.00 °F.
11.3.13.	<u>C</u>	Length: 41.000 inches.
11.3.14.	<u>C</u>	Width: 37.000 inches.
11.3.15.	<u>C</u>	Height: 55.000 inches.
11.4.		<u>DCFCTBD Controller and Cabinet:</u>
11.4.1.	<u>C</u>	Voltage: 120VAC.
11.4.2.	<u>C</u>	Operating Current: 4 amps.
11.4.3.	<u>C</u>	Standby Current: 0.2 amps.
11.4.4.	<u>C</u>	Operating Temperature Minimum: -22.00 °F.
11.4.5.	<u>C</u>	Operating Temperature Maximum: 140.00 °F.
11.4.6.	<u>C</u>	Height: 48.000 inches.
11.4.7.	<u>C</u>	Width: 24.000 inches.
11.4.8.	<u>C</u>	Length: 16.000 inches.
11.5.		<u>TRBP:</u>
11.5.1.	<u>C</u>	Voltage: 240 single phase (Also operates on 208 or 220/240VDC, specify).
11.5.2.	<u>C</u>	Operating Current: 30 amps (50 amp service recommended).
11.5.3.	<u>C</u>	Operating Temperature Minimum: -22.00 °F.
11.5.4.	<u>C</u>	Operating Temperature Maximum: 140.00 °F.

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

- | | | |
|-----------|----------|--|
| 11.5.5. | <u>C</u> | Height: 24.000 inches. |
| 11.5.6. | <u>C</u> | Width: 24.000 inches. |
| 11.5.7. | <u>C</u> | Length: 10.000 inches. |
| 11.6. | | <u>Radio Controller:</u> |
| 11.6.1. | <u>C</u> | The radio controller must be user programmable for Radio Frequency, Timing, and Tone Signals and must be compatible with the City's existing radio frequency. |
| 11.6.2. | <u>C</u> | The two-way activation and Status Monitoring Report Back System must be a digital packet type system that is capable of being activated by Two-tone, DTMF and FSK. |
| 11.6.3. | <u>C</u> | The system should include all sensors required to monitor required components. |
| 11.6.4. | <u>C</u> | The system should report back on FSK and should automatically report failed conditions on loss of AC Power, Low Battery, or intrusion. |
| 11.6.5. | <u>C</u> | These RTUs should come equipped with over-the-air programmability via a secure digital technology. |
| 11.6.6. | <u>C</u> | Each RTU must be able to operate as a repeater communicating with other RTUs in the system. |
| 11.7. | | <u>Remote Stations for Mechanical Siren:</u> |
| 11.7.1. | <u>C</u> | Each remote siren site's Remote Terminal Unit (RTU) shall contain a Two-way Controller that will receive and decode information sent from the central station and activate the necessary warning signals. |
| 11.7.2. | <u>C</u> | The FSK code format shall be used for this purpose. The RTU shall be programmable for signal length, signal timing, and zone configuration and it shall be capable of communicating with other remote sites functioning as a repeater for the purpose of transmitting activation and report back codes to and from central control point(s). |
| 11.7.3. | <u>C</u> | The RTUs shall automatically report back any loss of AC power, low battery condition or cabinet intrusion and must be capable of performing diagnostics on the remote sites using information provided by remote sensors. |
| 11.7.4. | | Sensor inputs provided shall be: |
| 11.7.4.1. | <u>C</u> | AC power; |
| 11.7.4.2. | <u>C</u> | Low battery; |
| 11.7.4.3. | <u>C</u> | Rotator motor current; |
| 11.7.4.4. | <u>C</u> | Main motor current; and |

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

11.7.4.5.	<u>C</u>	Intrusion.
11.7.5.	<u>C</u>	An optional SINAD board shall be quoted to allow for the ability of the City to measure the ratio of signal to noise and distortion. Each time the SINAD function is run from a control point the RTU should obtain a new reading and report its reading to the Central Controller.
11.7.6.	<u>C</u>	All above information shall be transmitted back to the central control station through a VHF narrowband capable transceiver programmed to the City's designated radio frequency.
11.8.		<u>Pole for Mechanical Siren:</u>
11.8.1.		<u>General:</u>
11.8.1.1.	<u>C</u>	The steel structure shall consist of a 50-foot pole with a direct embedded shaft foundation and provisions for a top mounted siren assembly and all appurtenances directly to the pole structure.
11.8.1.2.	<u>C</u>	The purchaser, prior to manufacturing and installation, must approve the final design. A copy of the design calculations and drawings are to be approved by a qualified engineer and officially marked with their Professional Engineer's stamp of approval.
11.8.2.		<u>Structural Design:</u>
11.8.2.1.	<u>C</u>	The Siren Pole Structure, consisting of the pole and foundation, shall be designed for the combined effective projected area (EPA) and weight of all attached fixtures. Designs shall incorporate a minimum fixture EPA and weight value of the intended siren assembly.
11.8.2.2.	<u>C</u>	The pole shall be analyzed in its final deflected position to account for secondary moments caused by eccentric dead loads. The calculations shall include a pole and, if utilized, a base plate and anchor bolt analysis. The pole calculations shall be analyzed at the pole base, 5-foot pole intervals, and at each slip joint splice. At each of these locations, the following information shall be provided:
11.8.2.2.1.	<u>C</u>	The pole shafts diameter, thickness, section modulus, moment of inertia, and cross sectional area.
11.8.2.2.2.	<u>C</u>	The centroid, weight, projected area, drag coefficient, velocity pressure, and wind force of each trapezoidal pole segment.
11.8.2.2.3.	<u>C</u>	The structures axial force, shear force, primary moment, total moment, axial stress, bending stress, allowable axial stress, allowable bending stress, and combined stress ratio (CSR) at each elevation.
11.8.2.2.4.	<u>C</u>	The pole's angular and linear deflection at each elevation.

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

- 11.8.2.2.5. C Calculations shall include an inherent summary page of applicable information pertaining to the design of pole foundation. The summary page shall include, at a minimum, the total base moment, axial force, shear force, pole shaft diameters and embedment depth information for common soil conditions.
- 11.8.2.2.6. C Each individual calculation page must include the product type duly noted in the footer section. Further, each page must include the name of the manufacturer.
- 11.8.3. C Wind Speed & Design Criteria: Wind velocities of 110 Mph with a 1.3 applicable gust factor must be utilized for design purposes. The structural design criteria may incorporate the full yield strength of materials to determine the pole shaft stresses and appropriate maximum allowable loading condition.
- 11.8.4. C Pole Shaft:
- 11.8.4.1. C Steel Specifications: Each section of the pole shaft shall be of single ply material, and be made from a single sheet of steel with no circumferential welded splices. The pole shafts cross-section must be round or cross section. Shafts shall not be less than 11GA (.1196-inch) thickness for either the top or bottom section. The pole shaft sections shall be high-strength steel meeting the requirements of ASTM A595 GR. A (55 Ksi Yield) for 3/16-inch (.1875-inch) thickness.
- 11.8.4.2. C Galvanizing: Pole shaft sections shall be hot dip galvanized in accordance with the requirements of ASTM A123 specifications. Each shaft assembly must be completely coated, inside and out, in a single dip. Double dipping will not be permitted in compliance to USGA (United States Galvanizing Association) recommended practices and procedures to prevent acid entrapment. All miscellaneous connecting hardware shall be galvanized in accordance with ASTM A153 specifications.
- 11.8.4.3. C Embedment Coating: The embedded section of shaft shall be top coated with a Madison Chemical, Corrocote II Classic (i.e., coal tar or mastic) material that will provide additional corrosion protection with the galvanized shaft. The coating shall be applied on the exterior of the shaft. The coating will be applied for a distance equal to the embedment depth plus 6 inches.
- 11.8.5. C Welding: Welding shall be in accordance with AWS (American Welding Society) Structural Welding Code's most recent edition. Welders certified in accordance with the AWS Code shall perform all welding. Welds shall be free of cracks and under-cutting, and will be 100% visually inspected with questionable areas inspected by the magnetic particle non-destructive process.

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

- 11.8.6. C Pole Top Mounting Plate: Each pole assembly shall incorporate a pole top plate that shall accommodate exactly the mounting plate of the siren model to be installed. The top plate shall telescope (socket weld joint) the top of the pole top shaft and be welded both inside and out. The plate shall have holes drilled in a pattern that matches the mounting plate of the respective siren.
- 11.8.7. C Miscellaneous Specifications:
- 11.8.7.1. C Grounding: Provisions shall be supplied for ground wires to be attached directly to the steel pole using a minimum ½-inch machine bolt.
- 11.8.7.2. C Hand-holes: Hand holes with covers shall be provided with-in easy reach of each cable entry and exit point.
- 11.8.8. C Direct Burial Pole Embedment:
- 11.8.8.1. C For direct burial poles, the pole shaft shall be designed for direct embedment into the earth. The pole shaft embedment depth shall at a minimum be 10 feet.
- 11.8.8.2. C A bearing mechanism shall be provided that will prevent the structure from further settling after installation.
- 11.8.8.3. C Installation specifications shall include the minimum requirements for the installation hole diameter and depth, the foundation, and the backfill requirements to meet the design specifications in common soil conditions.
- 11.8.9. C Pole Color: The pole is to be painted basic black.

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

11.9.		<u>Electronic Siren:</u>
11.9.1.	<u>C</u>	The electrical siren must be Omni-directional and include the electronic siren controller, the digital controller, the Modulator II electronic siren and two-way activation and status-monitoring radio control, antennas, antenna cables, and all mounting hardware necessary to install a complete siren on a 40-foot galvanized pole.
11.9.2.	<u>C</u>	The siren proposed must be 100% compatible with the existing Federal Siren SS2000™ controller and FSCDWARE™ software. No parallel or simultaneous or equivalent systems will be accepted.
11.9.3.	<u>C</u>	The City requires that all sirens are capable of operating on both AC and DC power. The AC operation with battery backup must allow these sirens to operate from a 220/240 VAC power source without the use of the batteries. During a power failure, an automatic switchover to battery operation must occur to maintain the siren's normal operation.
11.9.4.	<u>C</u>	All equipment and vendors must comply with all applicable government regulatory specifications, particularly FEMA and OSHA.
11.9.5.	<u>C</u>	The manufacturer shall be ISO 9001 Certified.
11.9.6.	<u>C</u>	The siren control units shall be UL Listed.
11.9.7.	<u>C</u>	All components, wiring and mounting hardware must be supplied to assure that a fully operational siren will be furnished. The equipment must include all mounting hardware to install a complete siren on a pole.
11.9.8.	<u>C</u>	Items are to be purchased new and unused.
11.9.9.	<u>C</u>	Purchased items shall be current model year only.
11.9.10.	<u>C</u>	For any listed or unlisted features for which no specification is listed, items are to meet or exceed manufacturer's standard specifications.
11.10.	<u>C</u>	<u>Modulator II Electronic Siren:</u>
11.10.1.	<u>C</u>	The siren shall have an Underwriters Laboratory (UL) listing for both AC and DC.
11.10.2.	<u>C</u>	Color: Off-White
11.10.3.	<u>C</u>	Paint Type: TGIC-polyester powder coat
11.10.4.	<u>C</u>	Modulator Horn Type: Hyperbolic flare
11.10.5.	<u>C</u>	Frequency Response: 200-2000Hz
11.10.6.	<u>C</u>	Horizontal Coverage: 360°+/- 1 dB(C)

City of Franklin Revised* Specifications

Purchasing Office Solicitation No.: 2015-025

11.10.7.	<u>C</u>	Diameter: 35"
11.10.8.	<u>C</u>	Pricing for 106 dB(C) @ 100'
11.10.9.	<u>C</u>	Pricing for 112 dB(C) @ 100'
11.10.10.	<u>C</u>	Pricing for 115 dB(C) @ 100'
11.10.11.	<u>C</u>	Pricing for 118 dB(C) @ 100'
11.10.12.	<u>C</u>	Pricing for 120 dB(C) @ 100'
11.10.13.	<u>C</u>	Pricing for 121 dB(C) @ 100'
11.10.14.	<u>C</u>	Pricing for 124 dB(C) @ 100'
11.11.		<u>UltraVoice Electronic Siren Controller:</u>
11.11.1.	<u>C</u>	Input Voltage: 120 or 240 VAC +/- 10% 50-60 Hz Single-phase
11.11.2.	<u>C</u>	Input Current: 7A, Max.
11.11.3.	<u>C</u>	Battery Input Voltage: 21.50-30 VDC. 24 Volts (nom.)
11.11.4.	<u>C</u>	Operating Voltage: 24 VDC
11.11.5.	<u>C</u>	Standby Time: Greater than 7 days
11.11.6.	<u>C</u>	Continuous Signaling Time: 30 minutes (min.)
11.11.7.		<u>Control Module</u>
11.11.7.1.	<u>C</u>	Microphone Input Impedance: 10 K Ohms
11.11.7.2.	<u>C</u>	Audio Distortion: 1% THD max, <10% voice mode-below clipping
11.11.7.3.	<u>C</u>	Maximum Load: 600 Ohms
11.11.7.4.	<u>C</u>	Audio Out: .25 to 2.0 Volts P-P 600 Ohms
11.11.7.5.	<u>C</u>	Audio In: .10 to 2.0 Volts P-P 600 Ohms
11.11.7.6.	<u>C</u>	Contact Closure: (min.) 500ms<1.0 K Ohms
11.11.7.7.	<u>C</u>	Relay Output: 30 Vdc, 15A
11.11.7.8.	<u>C</u>	Signal Duration: 3 minute standard
11.11.8.		<u>Signaling Format</u>
11.11.8.1.	<u>C</u>	AFSK: 1200 baud, MSK (Minimum Shift Key) modem type Usable decode sensitivity: 12 dB(C) SINAD (min)
11.11.8.2.	<u>C</u>	DTMF: 3-12 standard digits
11.11.9.		<u>Two-Tone Sequential</u>
11.11.9.1.	<u>C</u>	Frequency Range: 282 Hz-3000 Hz (non-CTCSS) 400 Hz-3000 Hz (CTCSS)
11.11.9.2.	<u>C</u>	Tone Timing: .5 sec-25 sec min., 8 sec max

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11.11.9.3.	<u>C</u>	Intertone Gap: 400 ms (maximum)		
11.11.9.4.	<u>C</u>	Tone Accuracy: +/- 1.5%		
11.11.9.5.	<u>C</u>	Tone Spacing: 5% preferred, 3% minimum		
11.11.10.		<u>Single Tone</u>		
11.11.10.1.	<u>C</u>	Frequency Range: 282 Hz- 3000 Hz		
11.11.10.2.	<u>C</u>	Tone Timing: 0.5 sec. – 8 sec maximum		
11.11.10.3.	<u>C</u>	Tone Accuracy: +/- 1.5%		
11.11.10.4.	<u>C</u>	Tone Spacing: 5.0% preferred, 3% minimum		
11.11.10.5.	<u>C</u>	Remote Activation Inputs: Eight		
11.11.10.6.	<u>C</u>	Sensor Inputs: Four		
11.11.11.		<u>Signal Activation Information</u>		
		Signal	A/B Tone Frequency Range	Sweep Range
11.11.11.1.	<u>C</u>	Wail	400/480-850/1020	13sec
11.11.11.2.	<u>C</u>	Pulsed Wail	400/480-850/1020	1.5sec/13sec
11.11.11.3.	<u>C</u>	Steady	850/1020	N.A.
11.11.11.4.	<u>C</u>	Pulsed Steady	850/1020	1.5sec
11.11.11.5.	<u>C</u>	Alternate Steady	850/1020	1.5sec
11.11.12.		<u>UVTR: AC Primary Operation</u>		
11.11.12.1.	<u>C</u>	Operating Voltage: 210-264 VAC single phase		
11.11.12.2.	<u>C</u>	Dimensions: 27.0 in x 11.5 in x 13.6 in		
11.11.12.3.	<u>C</u>	Weight: 230lbs (103.5 kg)		
11.11.13.		<u>Amplifier Module</u>		
11.11.13.1.	<u>C</u>	Frequency Response (300 to 3Hz): +/- 3dB(C) (ref. 1kHz)		
11.11.13.2.	<u>C</u>	Output Voltage (to speakers drivers): 70 Vrms (nominal)		
11.11.13.3.	<u>C</u>	Input Impedance (per amplifier): 100 K Ohms		
11.11.14.		<u>Environmental</u>		
11.11.14.1.	<u>C</u>	Operating Temperature: -30°C to 65°C		
11.11.15.		<u>Dimensions</u>		
11.11.15.1.	<u>C</u>	Control Cabinet: 19in x 23.5in x 11.2in		
11.11.15.2.	<u>C</u>	Battery Cabinet: 28in x 18in x 15.2in		
11.11.16.		<u>Weight</u>		
11.11.16.1.	<u>C</u>	Net Weight UVT(D) (no amps): 170lbs (77.13 kg)		

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11.11.16.2.	<u>C</u>	Net Weight UV400: 4.12 lbs. each (1.9 kg)
11.12.		<u>DCFCTBD DC Two-Way Digital Controller:</u>
11.12.1.		<u>Electrical</u>
11.12.1.1.	<u>C</u>	AC Supply Voltage: 120VAC @ 4.0 Amps
11.12.1.2.	<u>C</u>	Current Draw: +/- 10%, 50/60 Hz, maximum standby current
11.12.1.3.	<u>C</u>	Power Supply: 6A @ 13.3VDC
11.12.1.4.	<u>C</u>	Battery Backup: 48VDC
11.12.1.5.	<u>C</u>	Current Draw: < .2 Amps in standby
11.12.2.		<u>Serial Ports</u>
11.12.2.1.	<u>C</u>	Serial Port Protocol: RS232C 1200, N, 8, 1
11.12.3.		<u>Transceiver</u>
11.12.3.1.	<u>C</u>	Programmable Frequency: Power Out and Private Line options.
11.12.4.		<u>Signaling Format</u>
11.12.4.1.	<u>C</u>	AFSK: 1200 baud, MSK (Minimum Shift Key) modem type Useable decode sensitivity: 12dB SINAD (min.)
11.12.4.2.	<u>C</u>	DTMF: 3-12 standard DTMF characters
11.12.5.		<u>Two-Tone Sequential</u>
11.12.5.1.	<u>C</u>	Frequency Range: 282 Hz – 3000 Hz (non-CTCSS) 400Hz – 3000 Hz (CTCSS)
11.12.5.2.	<u>C</u>	Tone Timing: .5 sec - .25 sec min., 8 sec max
11.12.5.3.	<u>C</u>	Intertone Gap: 400ms (maximum)
11.12.5.4.	<u>C</u>	Tone Accuracy: +/- 1.5%
11.12.5.5.	<u>C</u>	Tone Spacing: 5.0% preferred, 3% min.
11.12.6.		<u>Single Tone</u>
11.12.6.1.	<u>C</u>	Frequency Range: 282 Hz – 3000 Hz
11.12.6.2.	<u>C</u>	Tone Timing: 0.5 sec – 8 sec maximum
11.12.6.3.	<u>C</u>	Tone Accuracy: +/- 1.5%
11.12.6.4.	<u>C</u>	Tone Spacing: 5.0% preferred, 3% min.
11.12.6.5.	<u>C</u>	EAS: Supports standard EAS codes and wildcards
11.12.6.6.	<u>C</u>	POCSAG: Supports binary AFSK 512 Baud numeric messages
11.12.7.		<u>Relay Outputs</u>
11.12.7.1.	<u>C</u>	4 relay outputs: SPST

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11.12.7.2.	<u>C</u>	Contact rating: (4 relays standard) 5A @ 28VDC – 5A @ 240VAC
11.12.8.		<u>Audio Output</u>
11.12.8.1.	<u>C</u>	Output Voltage: >2V Peak to Peak
11.12.8.2.	<u>C</u>	Maximum Load: 8 Ohms
11.12.8.3.	<u>C</u>	Total Harmonic Distortion: <10% @ 1kHz Sinewave
11.12.9.		<u>Environmental</u>
11.12.9.1.	<u>C</u>	Operating Temperature: -30°C to 65°C
11.12.10.		<u>Controller Dimensions (with battery cabinet)</u>
11.12.10.1.	<u>C</u>	H x W x D: 62.5" x 23.5" x 16.94" NEMA 4X Rated
11.12.11.		<u>Battery Cabinet Dimensions</u>
11.12.11.1.	<u>C</u>	H x W x D: 18" x 28" x 15.19" Vented NEMA 4X Rated
11.12.12.		<u>Shipping Weight</u>
11.12.12.1.	<u>C</u>	Approx. Shipping Weight: 300lbs (136.36 kg)
11.12.12.2.	<u>C</u>	Actual Weight: 234lbs (106.3 kg)
11.12.13.		<u>2001TR: AC Primary Operation</u>
11.12.13.1.	<u>C</u>	Operating Voltage: 208/220/240 VAC single phase
11.12.13.2.	<u>C</u>	Current Requirements: 30 Amps (approx.)
11.12.13.3.	<u>C</u>	Dimensions: 23" x 11" x 10" (584mm x 279mm x 254mm)
11.12.13.4.	<u>C</u>	Product Weight: 150 lbs. (68.2 kg)
11.13.		<u>Remote Stations for Electronic Siren:</u>
11.13.1.	<u>C</u>	Each remote siren site's Remote Terminal Unit (RTU) shall contain a Two-way Controller that will receive and decode information sent from the central station and activate the necessary warning signals.
11.13.2.	<u>C</u>	The FSK code format shall be used for this purpose. The RTU shall be programmable for signal length, signal timing, and zone configuration and it shall be capable of communicating with other remote sites functioning as a repeater for the purpose of transmitting activation and report back codes to and from central control point(s).
11.13.3.	<u>C</u>	The RTUs shall automatically report back any loss of AC power, low battery condition or cabinet intrusion and must be capable of performing diagnostics on the remote sites using information provided by remote sensors.
11.13.4.		Sensor inputs provided shall be:
11.13.4.1.	<u>C</u>	AC power;

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11.13.4.2.	<u>C</u>	Low battery;
11.13.4.3.	<u>C</u>	Rotator motor current;
11.13.4.4.	<u>C</u>	Main motor current; and
11.13.4.5.	<u>C</u>	Intrusion.
11.13.5.	<u>C</u>	An optional SINAD board shall be quoted to allow for the ability of the City to measure the ratio of signal to noise and distortion. Each time the SINAD function is run from a control point the RTU should obtain a new reading and report its reading to the Central Controller.
11.13.6.	<u>C</u>	All above information shall be transmitted back to the central control station through a VHF narrowband capable transceiver programmed to the City's designated radio frequency.
11.14.		<u>Pole for Electronic Siren:</u>
11.14.1.		<u>General:</u>
11.14.1.1.1.	<u>C</u>	The steel structure shall consist of a 40-foot pole with a direct embedded shaft foundation and provisions for a top mounted siren assembly and all appurtenances directly to the pole structure.
11.14.1.1.2.	<u>C</u>	The purchaser, prior to manufacturing and installation, must approve the final design. A copy of the design calculations and drawings are to be approved by a qualified engineer and officially marked with their Professional Engineer's stamp of approval.
11.14.2.		<u>Structural Design:</u>
11.14.2.1.	<u>C</u>	The Siren Pole Structure, consisting of the pole and foundation, shall be designed for the combined effective projected area (EPA) and weight of all attached fixtures. Designs shall incorporate a minimum fixture EPA and weight value of the intended siren assembly.
11.14.2.2.	<u>C</u>	The pole shall be analyzed in its final deflected position to account for secondary moments caused by eccentric dead loads. The calculations shall include a pole and, if utilized, a base plate and anchor bolt analysis. The pole calculations shall be analyzed at the pole base, 5-foot pole intervals, and at each slip joint splice. At each of these locations, the following information shall be provided:
11.14.2.3.	<u>C</u>	The pole shafts diameter, thickness, section modulus, moment of inertia, and cross sectional area.
11.14.2.4.	<u>C</u>	The centroid, weight, projected area, drag coefficient, velocity pressure, and wind force of each trapezoidal pole segment.

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| 11.14.2.5. | <u>C</u> | The structures axial force, shear force, primary moment, total moment, axial stress, bending stress, allowable axial stress, allowable bending stress, and combined stress ratio (CSR) at each elevation. |
| 11.14.2.6. | <u>C</u> | The pole's angular and linear deflection at each elevation. |
| 11.14.2.7. | <u>C</u> | Calculations shall include an inherent summary page of applicable information pertaining to the design of pole foundation. The summary page shall include, at a minimum, the total base moment, axial force, shear force, pole shaft diameters and embedment depth information for common soil conditions. |
| 11.14.2.8. | <u>C</u> | Each individual calculation page must include the product type duly noted in the footer section. Further, each page must include the name of the manufacturer. |
| 11.14.2.9. | <u>C</u> | Wind Speed & Design Criteria: Wind velocities of 110 Mph with a 1.3 applicable gust factor must be utilized for design purposes. The structural design criteria may incorporate the full yield strength of materials to determine the pole shaft stresses and appropriate maximum allowable loading condition. |
| 11.14.3. | <u>C</u> | <u>Pole Shaft:</u> |
| 11.14.3.1. | <u>C</u> | Steel Specifications: Each section of the pole shaft shall be of single ply material, and be made from a single sheet of steel with no circumferential welded splices. The pole shafts cross-section must be round or cross section. Shafts shall not be less than 11GA (.1196-inch) thickness for either the top or bottom section. The pole shaft sections shall be high-strength steel meeting the requirements of ASTM A595 GR. A (55 Ksi Yield) for 3/16-inch (.1875-inch) thickness. |
| 11.14.3.2. | <u>C</u> | Galvanizing: Pole shaft sections shall be hot dip galvanized in accordance with the requirements of ASTM A123 specifications. Each shaft assembly must be completely coated, inside and out, in a single dip. Double dipping will not be permitted in compliance to USGA (United States Galvanizing Association) recommended practices and procedures to prevent acid entrapment. All miscellaneous connecting hardware shall be galvanized in accordance with ASTM A153 specifications. |
| 11.14.3.3. | <u>C</u> | Embedment Coating: The embedded section of shaft shall be top coated with a Madison Chemical, Corrocote II Classic (i.e., coal tar or mastic) material that will provide additional corrosion protection with the galvanized shaft. The coating shall be applied on the exterior of the shaft. The coating will be applied for a distance equal to the embedment depth plus 6 inches. |

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| 11.14.4. | <u>C</u> | Welding: Welding shall be in accordance with AWS (American Welding Society) Structural Welding Code's most recent edition. Welders certified in accordance with the AWS Code shall perform all welding. Welds shall be free of cracks and under-cutting, and will be 100% visually inspected with questionable areas inspected by the magnetic particle non-destructive process. |
| 11.14.5. | <u>C</u> | <u>Pole Top Mounting Plate</u> : Each pole assembly shall incorporate a pole top plate that shall accommodate exactly the mounting plate of the siren model to be installed. The top plate shall telescope (socket weld joint) the top of the pole top shaft and be welded both inside and out. The plate shall have holes drilled in a pattern that matches the mounting plate of the respective siren. |
| 11.14.6. | <u>C</u> | <u>Miscellaneous Specifications</u> : |
| 11.14.6.1. | <u>C</u> | Grounding: Provisions shall be supplied for ground wires to be attached directly to the steel pole using a minimum ½-inch machine bolt. |
| 11.14.6.2. | <u>C</u> | Hand-holes: Hand holes with covers shall be provided with-in easy reach of each cable entry and exit point. |
| 11.14.7. | <u>C</u> | <u>Direct Burial Pole Embedment</u> : |
| 11.14.7.1. | <u>C</u> | For direct burial poles, the pole shaft shall be designed for direct embedment into the earth. The pole shaft embedment depth shall at a minimum be 10 feet. |
| 11.14.7.2. | <u>C</u> | A bearing mechanism shall be provided that will prevent the structure from further settling after installation. |
| 11.14.7.3. | <u>C</u> | Installation specifications shall include the minimum requirements for the installation hole diameter and depth, the foundation, and the backfill requirements to meet the design specifications in common soil conditions. |
| 11.14.8. | <u>C</u> | <u>Pole Color</u> : The pole is to be unpainted. |

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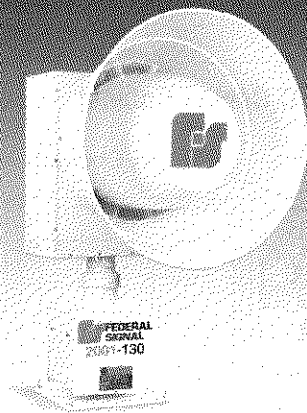
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| 11.15. | <u>C</u> | <u>Delivery, Documentation and Training:</u> |
| 11.15.1. | <u>C</u> | Vendor shall indicate on the Bid Submittal Form the estimated time of delivery, measured in number of calendar days after receipt of order. |
| 11.15.2. | <u>C</u> | Vendor shall submit, along with their bid, the following documentation: |
| 11.15.3. | <u>C</u> | An itemized list of equipment by brand name and model number. |
| 11.15.4. | <u>C</u> | Specification sheets of all recommended equipment. |
| 11.15.5. | <u>C</u> | Vendor specifically acknowledges and accepts City's standard delivery terms as expressed under "General terms and conditions" above. |
| 11.15.6. | <u>C</u> | Vendor shall include delivery and unloading or offloading and deposit of the deliverables at a location within Williamson County, TN as specified by each entity at the time of order. |
| 11.15.7. | <u>C</u> | Vendor shall provide any labor and equipment necessary to unload or offload the deliverable in a manner (a) consistent with best practices for shipping and receiving, (b) that does not involve undue risk to the safety of anyone at the delivery site or the condition of the deliverable, (c) that does not involve City personnel, and (d) without the need for a loading dock. |
| 11.15.8. | <u>C</u> | Delivery shall be made between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday except holidays observed by the City. |
| 11.15.9. | <u>C</u> | Documentation, including both operator and service manuals, and warranties shall be provided upon delivery of unit. |

City of Franklin Revised* Specifications

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| 11.16. | <u>C</u> | <u>Warranties:</u> |
| 11.16.1. | <u>C</u> | The manufacturer's warranty for all sound-producing components of the siren must be for a minimum of five (5) years. |
| 11.16.2. | <u>C</u> | The manufacturer's warranty for the pole shall be provided. |
| 11.16.3. | <u>C</u> | The manufacturer's warranty for the radio controller shall be provided |
| 11.16.4. | <u>C</u> | The manufacturer's warranty for the remote station shall be provided. |
| 11.16.5. | <u>C</u> | Bidder shall supply a summary description of the warranties along with the Bid Submittal Form. |
| 11.16.6. | <u>C</u> | At delivery, the vendor shall supply a copy of all manufacturer warranties. |
| 11.17. | | <u>Vendor Requirements:</u> |
| 11.17.1. | <u>C</u> | The Vendor must have sold an equivalent siren system in the Middle Tennessee area within the last five (5) years. |
| 11.17.2. | <u>C</u> | The Vendor must have a factory authorized service facility the service territory of which includes Williamson County, Tennessee. |
| 11.17.3. | <u>C</u> | The Vendor must provide the name of the technical contact person, with phone number, for that service facility. The technical contact must be employed full-time by the Vendor. |
| 11.17.4. | <u>C</u> | The Vendor must have expertise in ALL aspects of the siren system, including computer command and control, mechanical systems, PA voice, FSK tone signaling, system electronics, radio control and installation. |

FEDERAL SIGNAL CORPORATION



Battery Powered Electromechanical Siren

Models 2001-130

DESIGNED FOR OUTDOOR WARNING

- Patented stator/horn design allows highly efficient, high-output operation from minimal battery source
- Sound output can cover four square miles
- Full battery operation or battery backup
- Produces 130dBc @ 100'
- Three-tone – Wail, Fast Wail and Steady
- Maintenance-free sealed bearing motors
- UL Listed Siren Controllers

The Federal Signal Model 2001-130 is a unique innovation in the high power outdoor warning siren market. The patented design represents a new generation of rotating, uni-directional electromechanical sirens. The 2001-130 can be operated with a 120VAC battery-backup control cabinet or a 240VAC/VDC control cabinet.

This siren can be controlled remotely via wire or radio with the Model FC controller. The Model 2001-130 produces three distinctly different tones - Wail, Fast Wail and Steady. The high decibel output provides for maximum coverage from a single siren site.

Federal Signal's Model 2001-130 produces 130dBc at 100 feet. Its ring radiator projects a 60° beam of sound which rotates at two RPM and is adjustable to six RPM. The design allows for small size without compromising sound output, and minimizes wind loading.

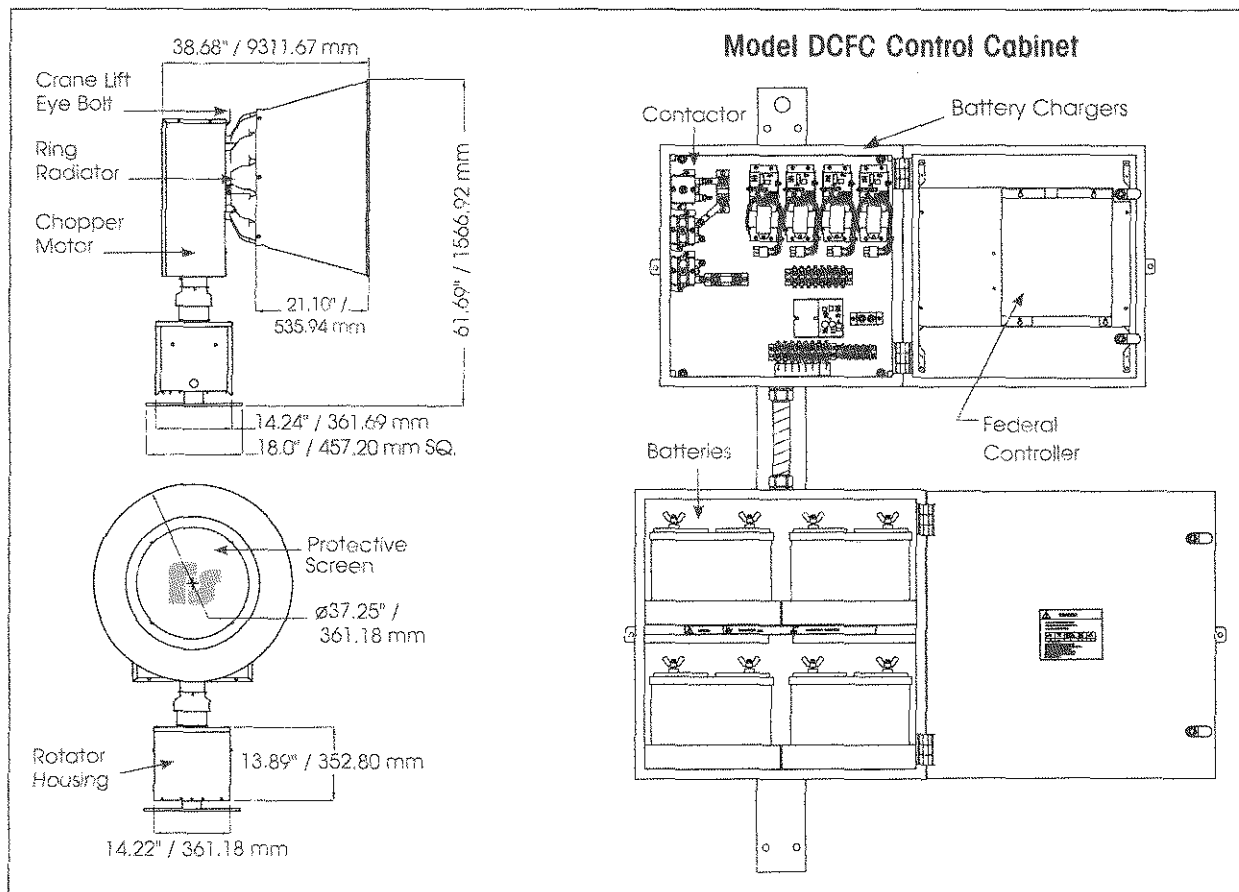
The Model 2001-130 is ideally suited for wide area coverage with high decibel output and attention getting signals. The Model 2001-130 also overcomes high ambient noise areas, such as those found in industrial plants, steel mills, chemical plants and refineries.

Model	Voltage	Decibels @ 100'	Operating Current	Standby Current
2001-130	48VDC	130dBc	100 amps (Nominal)	N/A
DCFCB	120VAC	N/A	4 amps	0.2 amps
2001AC	240VAC ¹	N/A	30 amps ²	N/A

¹ Also operates on 208 or 220/240VDC (please specify)

² 50 amp service recommended

ELECTROMECHANICAL SIREN (2001-130)



SPECIFICATIONS

Rotation Speed: (2001-130) 2-6 RPM (adj.)
 Continuous Signal Time*: (2001DC) 15 minutes minimum @ full output
 Standby Time: (2001DC) 20+ days
 with 5 minutes full signal reserve
 Effective Range at 70dBc: 6200 ft.

tone

Steady:

Wail:

Fast Wail:

FREQUENCY

750 Hz

470-705 Hz

600-705 Hz

SWEEP

N/A

10.0 sec.

3.5 sec.

* After AC power failure

HOW TO ORDER

Contact our Federal Signal Sales Engineers to design a system that meets your specific requirements.

Considerations for system configuration:

- Specify model
- Specify controller

Model Number	Operating Temperature	Net Weight	Shipping Weight	L	Dimensions W	H
2001-130	-22°F – 140°F	395 lbs.	450 lbs.	41"	37"	55"
	-30°C – 60°C	180 kg	205 kg	104.14 cm	93.98 cm	139.7 cm
DCFCB	-22°F – 140°F	141 lbs.	234 lbs.	16"	24"	48"
	-30°C – 60°C	64 kg	106 kg	40.64 cm	60.96 cm	121.92 cm
2001AC	-22°F – 140°F	159 lbs.	182 lbs.	10"	24"	24"
	-30°C – 60°C	72 kg	83 kg	25.4 cm	60.96 cm	60.96 cm

FEDERAL SIGNAL CORPORATION



**DESIGNED FOR ALERT/
WARNING AND PUBLIC
ADDRESS OVER A WIDE AREA**

- 360° sound coverage with no variation in the horizontal plane
- Multiple tones and public address
- Excellent frequency response
- Produces 106dBc to 121dBc @ 100'
- Each module has four 100 watt drivers
- Operates with UV controller
- UL and cUL Listed

Modulator® Speaker Array

Model MOD Series

Federal Signal's Modulator® Speaker Array Series consists of a family of six electronic sirens. These innovative omni-directional sirens are capable of producing high-intensity warning signals over a wide area. This efficient design enables these sirens to produce a high sound level, while making only moderate demands on the power source.

Each Modulator Speaker Array is made up of aluminum modules that utilize four 100 watt drivers. Speaker arrays require a siren control unit/battery cabinet (purchased separately).

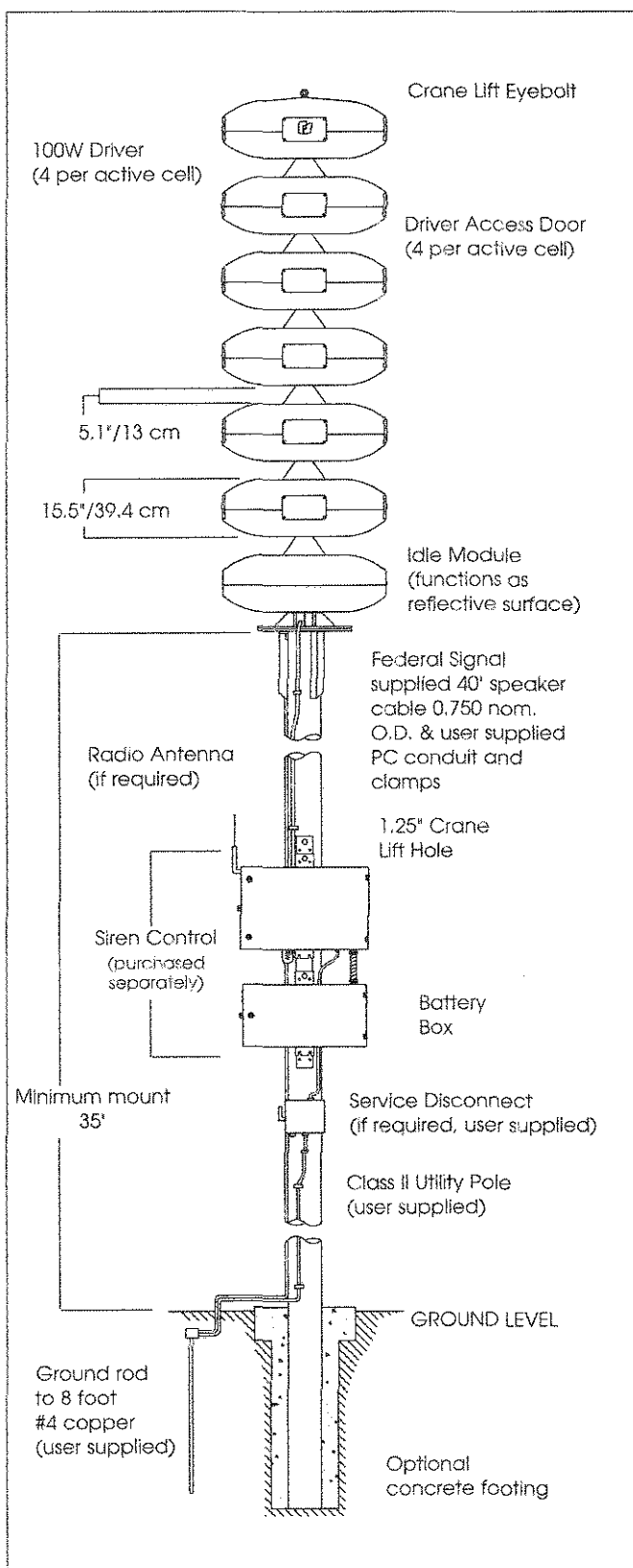
The Modulator Speaker Array provides a flat frequency response from 200 to 2000Hz for excellent voice reproduction or warning signals such as: Wail (attack), Pulsed Steady, Steady (alert), Alternating Steady, Alternating Wail, and Pulsed Wail – which are produced by the modulator siren control unit.

Federal Signal's Modulator Speaker Array is intended for outdoor applications. Industrial sites such as refineries, chemical plants, power plants, or tank farms are typical applications for these omni-directional electronic arrays.

Model	Active Modules	Watts	Decibels @ 100'*	Effective Range @ 70dBc
MOD1004	1	400	106dBc	1,200'
MOD2008	2	800	112dBc	1,800'
MOD3012	3	1200	115dBc	2,200'
MOD4016	4	1600	118dBc	2,800'
MOD5020	5	2000	120dBc	3,100'
MOD6024	6	2400	121dBc	3,400'

* MOD 6048 available, produces 125dBc @ 100'. Contact factory for specification assistance.

MODULATOR® SPEAKER ARRAY (MOD)



SPECIFICATIONS

Frequency Response: 200-2000Hz $\pm$ 1dB
 Horizontal Coverage: 360° $\pm$ 1dB

Wind Loading @ 110mph wind velocity¹:

MOD1004	360 lbs.
MOD2008	540 lbs.
MOD3012	720 lbs.
MOD4016	900 lbs.
MOD5020	1080 lbs.
MOD6024	1260 lbs.

¹Wind loading is the calculated force of wind at 110mph (shoreline), exposure D (flat, unobstructed coastal areas) on frontal area 4.64 ft. per American National Standards Institute A58.1 "Minimum design loads for buildings and other structures."

Model	Height (in./cm)	Net Wt. (lbs./kg)	Shipping Wt. (lbs./kg)
MOD1004	43.17"/109.65	181.0/82.0	350.0/158.8
MOD2008	63.7"/161.8	296.0/134.3	400.0/181.4
MOD3012	84.3"/214.1	411.0/186.4	600.0/272.2
MOD4016	105.0"/266.7	526.0/238.6	750.0/340.2
MOD5020	125.5"/318.8	641.0/290.8	1000.0/453.6
MOD6024	146.0"/370.8	760.0/344.7	1270.0/576.0

HOW TO ORDER

Contact our Federal Signal Sales Engineers to design a system that meets your specific requirements.

Considerations for system configuration:

- Specify speaker array model number – each speaker array model must be ordered with a specific corresponding UV and Amplifier.

SPEAKER CONTROLLER*

MOD1004	UV + 1 UV400
MOD2008	UV + 2 UV400
MOD3012	UV + 3 UV400
MOD4016	UV + 4 UV400
MOD5020	UV + 5 UV400
MOD6024	UV + 6 UV400

- Specify optional CABEX 10' cable extension²

² 40 feet of cable is supplied with siren. Extension cable in 10 foot increments is also available. Mounting the UV controller further than 100 feet is not recommended (further mounting may decrease power output).

* Controllers available in Radio, IP, and Landline.

REPLACEMENT PARTS

Description	Model
Driver, 100 watt	8570063A



FEDERAL SIGNAL CORPORATION
Federal Warning Systems

DIRECT EMBEDMENT STEEL POLE SPECIFICATIONS FOR SIRENS

1. General:

- 1.1. The steel structure shall consist of a pole with a direct embedded shaft foundation and provisions for a top mounted siren assembly and all appurtenances directly to the pole structure.
- 1.2. The purchaser, prior to manufacturing and installation, must approve the final design. A copy of the design calculations and drawings are to be approved by a qualified engineer and officially marked with their Professional Engineer's stamp of approval.

2. Structural Design:

- 2.1. The Siren Pole Structure, consisting of the pole and foundation, shall be designed for the combined effective projected area (EPA) and weight of all attached fixtures. Designs shall incorporate a minimum fixture EPA and weight value of the intended siren assembly.
- 2.2. The pole shall be analyzed in its final deflected position to account for secondary moments caused by eccentric dead loads. The calculations shall include a pole and, if utilized, a base plate and anchor bolt analysis. The pole calculations shall be analyzed at the pole base, 5' pole intervals, and at each slip joint splice. At each of these locations, the following information shall be provided:
 - 2.2.1. The pole shafts diameter, thickness, section modulus, moment of inertia, and cross sectional area.
 - 2.2.2. The centroid, weight, projected area, drag coefficient, velocity pressure, and wind force of each trapezoidal pole segment.
 - 2.2.3. The structures axial force, shear force, primary moment, total moment, axial stress, bending stress, allowable axial stress, allowable bending stress, and combined stress ratio (CSR) at each elevation.
 - 2.2.4. The pole's angular and linear deflection at each elevation.
- 2.3. Calculations shall include an inherent summary page of applicable information pertaining to the design of pole foundation. The summary page shall include, at a minimum, the total base moment, axial force, shear force, pole shaft diameters and embedment depth information for common soil conditions.
- 2.4. Each individual calculation page must include the product type duly noted in the footer section. Further, each page must include the name of the manufacturer. Failure to comply will result in automatic submittal rejection.

3. Wind Speed & Design Criteria:

- 3.1. Wind velocities of 110 Mph with a 1.3 applicable gust factor must be utilized for design purposes. The structural design criteria may incorporate the full yield strength of materials to determine the pole shaft stresses and appropriate maximum allowable loading condition.

				 SIGNAL DIVISION Federal Signal Corporation 2645 FEDERAL SIGNAL DRIVE - UNIVERSITY PARK, IL 604660		
A1	REL. TO ECO# 06-4128	10/19/06	DJN			
A	REL TO PROD. ECO#06-4020	02/21/06	DJN	DRAWN BY: DJN	CHKD. BY: SC	SHEET
REV	CHANGE	DATE	BY	DATE: 02/16/06	DATE: 02/16/06	1 OF 3
NAME SPEC, STEEL POLE DIRECT EMBEDMENT				DRAWING NUMBER 85001170A		

DIRECT EMBEDMENT STEEL POLE SPECIFICATIONS FOR SIRENS

4. Pole Shaft:

- 4.1. **Steel Specifications:** Each section of the pole shaft shall be of single ply material, and be made from a single sheet of steel with no circumferential welded splices. The pole shafts cross-section must be round or cross section. Shafts shall not be less than 11GA (.1196") thickness for either the top or bottom section. The pole shaft sections shall be high-strength steel meeting the requirements of ASTM A595 GR. A (55 Ksi Yield) for 3/16" (.1875") thickness
- 4.2. **Sectional Poles:** If utilized, each slip joint shall be assembled in the field by telescoping the upper female section over the lower male section by a minimum lap of 1.5 times the inside diameter of the respective upper "female" section. The female-telescoped area must be welded both inside and out to insure 100% weld penetration in an area equal to the minimum slip distance plus 9".
- 4.3. **Internal Cable Guides:** Pole shaft assemblies that exceed 50' in total height will be provided with an internal cable guide and strain relief assembly mechanism approximately half way up the total length of the structure. The cable guide must consist, at a minimum, of an offset bar, steel pipe sleeve with internal PVC sheathing to reduce wear, and a hand hole opposite the offset bar for access. The installation contractor will be responsible for providing respective kellys grip connectors required to relieve strain.
- 4.4. **Galvanizing:** Pole shaft sections shall be hot dip galvanized in accordance with the requirements of ASTM A123 specifications. Each shaft assembly must be completely coated, inside and out, in a single dip. Double dipping will not be permitted in compliance to USGA (United States Galvanizing Association) recommended practices and procedures to prevent acid entrapment. All miscellaneous connecting hardware shall be galvanized in accordance with ASTM A153 specifications.
- 4.5. **Embedment Coating:** The embedded section of shaft shall be top coated with a Madison Chemical, Corrocote II Classic (i.e. coal tar or mastic) material that will provide additional corrosion protection with the galvanized shaft. The coating shall be applied on the exterior of the shaft. The coating will be applied for a distance equal to the embedment depth plus 6".

5. Welding:

- 5.1. Welding shall be in accordance with AWS (American Welding Society) Structural Welding Code's most recent edition. Welders certified in accordance with the AWS Code shall perform all welding. Welds shall be free of cracks and under-cutting, and will be 100% visually inspected with questionable areas inspected by the magnetic particle non-destructive process.

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NAME SPEC, STEEL POLE DIRECT EMBEDMENT				DRAWING NUMBER 85001170A		



FEDERAL SIGNAL CORPORATION
Federal Warning Systems

DIRECT EMBEDMENT STEEL POLE SPECIFICATIONS FOR SIRENS

6. Pole Top Mounting Plate:

- 6.1. Each pole assembly shall incorporate a pole top plate that shall accommodate exactly the mounting plate of the siren model to be installed. The top plate shall telescope (socket weld joint) the top of the pole top shaft and be welded both inside and out. The plate shall have holes drilled in a pattern that matches the mounting plate of the respective siren.

7. Miscellaneous Specifications:

- 7.1. **Grounding:** Provisions shall be supplied for ground wires to be attached directly to the steel pole using a minimum 1/2" machine bolt. For grounding, a minimum #2AWG bare copper conductor shall be connected with compression connectors or CAD welding to two 10' x 5/8" Copper Clad ground rods installed in undisturbed soil approximately 3' and 23' from the pole, unless prohibited by installation site circumstances.
- 7.2. **Hand-holes:** Hand holes with covers shall be provided within easy reach of each cable entry and exit point.
- 7.3. **Pole Openings:** All openings in the pole for conduit, mounting nuts, hand-holes or for other reasons must be sealed with galvanized plugs or bolts during installation. The installation contractor is responsible for providing the appropriate materials to complete this requirement.
- 7.4. **Hardware:** All exterior hardware used for installation of siren equipment, wiring and other components shall be stainless steel, aluminum, galvanized, or zinc alloy.
- 7.5. **Anti-Oxidant:** Anti-oxidant shall be applied during installation to the following surfaces: all contact between dissimilar materials; all ground wire connections; all equipment mounting hardware intended to provide a ground path, all conduit joints.
- 7.6. **Conduits:** All exposed conduit shall be metallic liquid tight, rigid aluminum or galvanized pipe.
- 7.7. **Electrical:** All wiring shall meet the requirements of the siren equipment manufacturer and the National, State, Local Electrical Codes. In all cases, the higher standard shall prevail as the minimum requirement.

8. Direct Burial Pole Embedment:

- 8.1. For direct burial poles, the pole shaft shall be designed for direct embedment into the earth. The pole shaft embedment depth shall at a minimum be 10'.
- 8.2. A bearing mechanism shall be provided that will prevent the structure from further settling after installation.
- 8.3. Installation specifications shall include the minimum requirements for the installation hole diameter and depth, the foundation, and the backfill requirements to meet the design specifications in common soil conditions.

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FEDERAL SIGNAL CORPORATION
Federal Warning Systems

DIRECT EMBEDMENT STEEL POLE SPECIFICATIONS FOR SIRENS

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NAME SPEC, STEEL POLE DIRECT EMBEDMENT				DRAWING NUMBER 85001170A		

Limited Warranty

The Signal Division, **Federal Signal Corporation**, warrants each new product to be free from defects in material and workmanship, under normal use and service, for a period of two years (one year for the INFORMER) on parts replacement and one year on labor from the date of delivery to the first user-purchaser. Federal Warning Systems warrants every 2001SRN to be free from defects in material, per our standard warranty, under normal use and service for a period of FIVE years on parts replacement.

During this warranty period, the obligation of Federal is limited to repairing or replacing, as Federal may elect, any part or parts of such product which after examination by Federal discloses to be defective in material and/or workmanship.

This warranty does not cover travel expenses, the cost of specialized equipment for gaining access to the product, or labor charges for removal and re-installation of the product. Batteries are not covered under warranty.

This warranty does not extend to any unit which has been subjected to abuse, misuse, improper installation or which has been inadequately maintained, nor to units which have problems relating to service or modification at any facility other than Federal factory or authorized warranty service centers.

THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL FEDERAL BE LIABLE FOR ANY LOSS OF PROFITS OR ANY INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY SUCH DEFECT IN MATERIAL OR WORKMANSHIP.



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Federal Warning Systems

2645 Federal Signal Drive, University Park, IL 60466

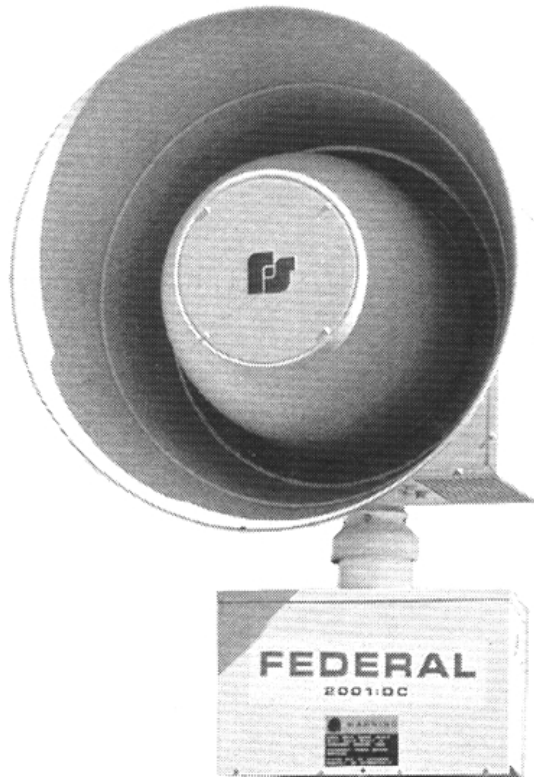
Phone: (800) 548-7229 Fax: (708) 534-4865

Website: <http://www.federalwarningsystems.com>

Price \$15.00



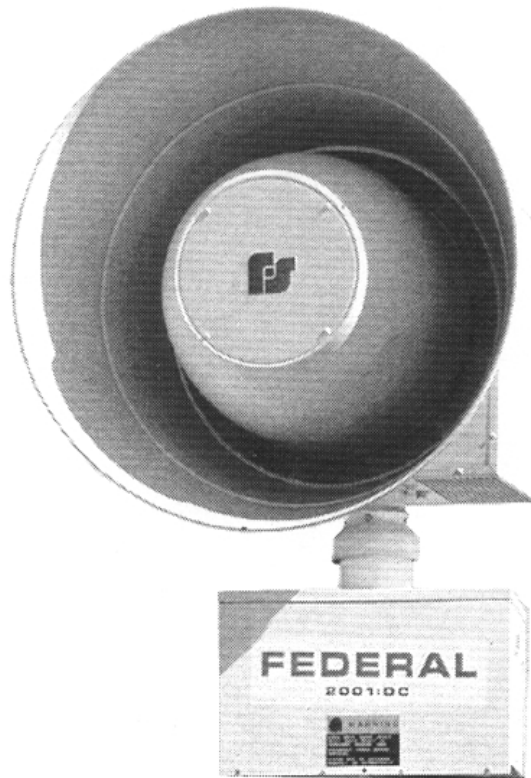
2001 SIREN



INSTALLATION AND OPERATING INSTRUCTIONS



2001 SIREN



255232M
REV. M 698
Printed in U.S.A.

INSTALLATION AND OPERATING INSTRUCTIONS

SAFETY NOTICES

People's lives depend on your safe installation, service, and operation of our products. It is important to read, understand and follow all instructions shipped with this product. In addition, listed below are some other important safety instructions and precautions you should follow:

INSTALLATION & SERVICE

- Electrocutation or severe personal injury can occur when performing various installation and service functions such as making electrical connections, drilling holes, or lifting equipment. Therefore installation should be performed by experienced electricians in accordance with national, state and any other electrical codes having jurisdiction. All work should be performed under the direction of the installation or service crew safety foreman.
- The sound output of sirens is capable of causing permanent hearing damage. To prevent excessive exposure, carefully plan siren placement, post warnings and restrict access to areas near the sirens. Whenever possible, disconnect the siren batteries before working near the speaker array.
- After installation or service, test the siren system to confirm that it is operating properly. Test the system regularly to confirm that it will be operational in an emergency.
- If future service personnel do not have these warnings and all other instructions shipped with the equipment to refer to, the siren system may not provide the intended audible warning and service personnel may be exposed to death, permanent hearing loss, or other bodily injury. File these instructions in a safe place and refer to them periodically. Give a copy of these instructions to new recruits and trainees. Also, give a copy to anyone who is going to service or repair the sirens. For additional copies, call the Federal Signal Community Warning Systems Group at 800-548-7229 or write to them at 2645 Federal Signal Drive, University Park, IL 60466.

OPERATION

- Failure to understand the capabilities and limitations of your siren system could result in permanent hearing loss, other serious injuries or death to persons too close to the sirens when you activate them or to those you need to warn. Carefully read and thoroughly understand all safety notices on both sides of this sheet and all operations-related items in all instruction manuals shipped with the equipment. Thoroughly discuss all contingency plans with those responsible for warning people in your community, company, or jurisdiction.

SAFETY NOTICES

People's lives depend on your selection of suitable equipment and installation sites and your safe installation, service, and operation of our products. Follow Federal Emergency Management Agency (FEMA) recommendations. Obtain copies of the latest revision of FEMA'S "Outdoor Warning Guide (CPG 1-17) and "Civil Preparedness, Principals of Warning (CPG 1-14) by calling FEMA at (202) 646-3484 or writing to them at 500 C St., South West, Washington, D.C. 20472. It is also important to read, understand and follow all instructions shipped with this product. In addition, listed below are some other important safety instructions and precautions you should follow:

PLANNING

- If suitable warning equipment is not selected, the installation site for the siren is not selected properly or the siren is not installed properly, it may not produce the intended optimum audible warning. Follow Federal Emergency Management Agency (FEMA) recommendations.
- If the sirens are not activated in a timely manner when an emergency condition exists, they cannot provide the intended audible warning. It is imperative that knowledgeable people, who are provided with the necessary information, are available at all times to authorize the activation of the sirens.
- When sirens are used out of doors, people indoors may not be able to hear the warning signals. Separate warning devices or procedures may be needed to effectively warn people indoors.
- The sound output of sirens is capable of causing permanent hearing damage. To prevent excessive exposure, carefully plan siren placement, post warnings, and restrict access to areas near sirens.
- Activating the sirens may not result in people taking the desired actions if those to be warned are not properly trained about the meaning of siren sounds. Siren users should follow FEMA recommendations and instruct those to be warned of correct actions to be taken.
- A siren that doesn't work won't provide any warning. After installation, servicing, or repair, test the siren system to confirm that it is operating properly. Test the system regularly to confirm that it will be operational in an emergency.
- If future service and operating personnel do not have these instructions to refer to, the siren system may not provide the intended audible warning and service personnel may be exposed to death, permanent hearing loss, or other bodily injury. File these instructions in a safe place and refer to them periodically. Give a copy of these instructions to new recruits and trainees. Also give a copy to anyone who is going to service or repair the siren.

LIMITED WARRANTY

The Signal Division, Federal Signal Corporation (Federal), warrants each new product to be free from defects in material and workmanship, under normal use and service, for a period of five years on parts replacement and five years on labor from the date of delivery to the first user-purchaser.

During this warranty period, the obligation of Federal is limited to repairing or replacing, as Federal may elect, any part or parts of such product which after examination by Federal discloses to be defective in material and/or workmanship.

Federal will provide warranty for any unit which is delivered, transported prepaid, to the Federal factory or designated authorized warranty service center for examination and such examination reveals a defect in material and/or workmanship.

This warranty does not cover travel expenses, the cost of specialized equipment for gaining access to the product, or labor charges for removal and re-installation of the product. Batteries are not covered under warranty.

This warranty does not extend to any unit which has been subjected to abuse, misuse, improper installation or which has been inadequately maintained, nor to units which have problems relating to service or modification at any facility other than the Federal factory or authorized warranty service centers.

THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL FEDERAL BE LIABLE FOR ANY LOSS OF PROFITS OR ANY INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY SUCH DEFECT IN MATERIAL OR WORKMANSHIP.



FEDERAL SIGNAL CORPORATION

WARNING

Read and understand the information contained in this manual, before attempting to install or service the siren.

Pay careful attention to the following notices located on the equipment.

NOTICES - EXTERNALLY PLACED.

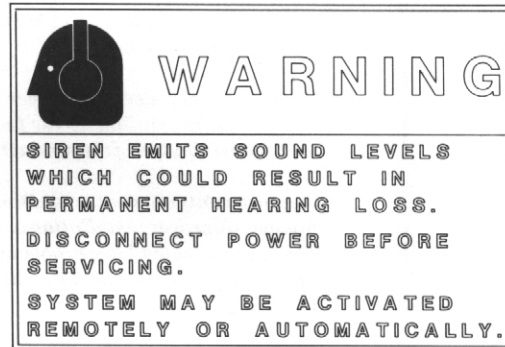
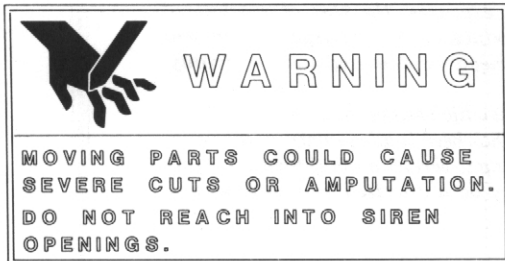


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SECTION I

CHARACTERISTICS



Figure 1-1. Model 2001 Siren

1-1. SCOPE OF THIS MANUAL.

This service manual describes the characteristics, specifications, installation, controls/theory of operation, and service and maintenance of the Federal 2001 siren.

1-2. GENERAL.

Federal's 2001 siren (figure 1-1) is an electro-mechanical, battery operated, rotating siren that is capable of producing high intensity warning signals over a large area. A highly efficient design enables the siren to produce a high sound level, while making moderate demands on the power source.

1-3. SIREN DESCRIPTION.

The 2001 siren is a single tone siren capable of producing a 127 dB sound level at 100 feet for a minimum of 15 minutes, when using the 2001*DC Control

Unit/Battery Box with fully charged, standard, deep-cycle, marine batteries. Continuous operation is available with option 2001*AC. This option supplies DC current directly to the siren from a 220/240VAC line.

Two motors are used to create the siren signals. One motor rotates the siren assembly. The second motor, which produces the sound energy, is attached to a stator with a rotor mounted on the motor shaft concentric to the stator. The rotor and stator each contain one row of ports. As the motor rotates the rotor, air is drawn into the rotor and passes through the rotor and stator ports in pulses. These pulses are produced when the rotor alternately opens and closes the stator ports. The pulses of air produce sound at a frequency (pitch) that is dependent upon the rotational speed of the motor and the number of ports in the rotor-stator combination.

1-4. SIGNAL DESCRIPTION.

The 2001 siren is capable of producing a steady signal and a wailing signal. The steady signal is frequently used as a Civil Defense "Alert" signal. The wailing signal is often used as a Civil Defense "Attack" signal. Any of the signals are capable of being used for any desired application. These signals are shown graphically in figure 1-2.

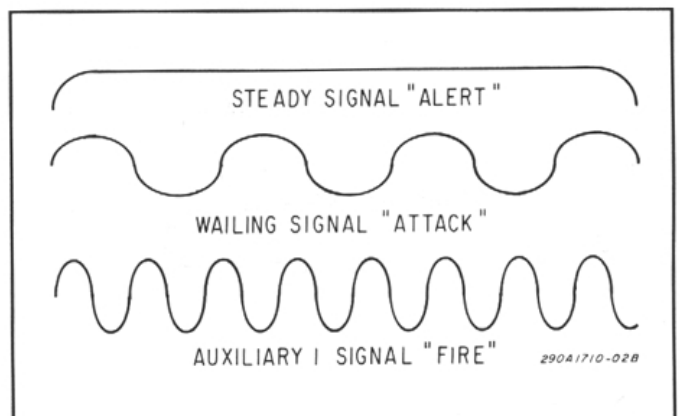


Figure 1-2. Signal Characteristics.

SECTION II

SPECIFICATIONS

Power Requirements*

Siren Motor	48V (DC or full wave rectified AC) 100 amps. (nom.)
Rotator Motor	48V (DC or full wave rectified AC) 5.5 amps. (nom.)

Wiring

Siren Motor	2 AWG
Rotator Motor	12 AWG

Motor Type

Siren	Series Wound DC 6 Hp
Rotator	Permanent Magnet DC 1/3 Hp

Signal Information

Signal	Frequency Range	Sweep Rate
STEADY	705Hz	N.A.
WAIL	470 - 705Hz	10 sec.
Signal Duration	3 min. (programmable)	
Sound Output (SPL)	127dBc (on axis) at 100' (30.5m.)	
Rotation	2-8 RPM (Adjustable)	
Dimensions (HWD)	55" x 37" x 41" 1397mm x 940mm x 1041mm	
Shipping Weight	410 pounds (186.4kg.)	
Operating Temperature	-30°C to +60°C**	

* Power requirements refers to the power supplied by the batteries or optional AC operation with battery back-up.

** The siren can operate throughout this temperature range provided the battery temperature is maintained at -18°C or higher.

SECTION III

INSTALLATION

DANGER

Electrocution or severe personal injury can occur when making electrical connections, drilling holes, or lifting equipment. Therefore, installation should be performed by experienced electricians in accordance with national and local electrical codes

3-1. SIREN LOCATION.

The information in this section provides guidelines to aid the user in the selection of an installation site that makes the best possible use of the siren.

WARNING

The output level of a 2001 siren is capable of causing permanent hearing damage. To prevent excessive exposure, carefully plan placement of siren and post warnings.

If the siren is being installed as part of a Civil Defense Warning system, ALWAYS follow Federal Emergency Management Agency (FEMA) recommendations.

Careful consideration of the factors affecting the propagation of sound from the siren and the response of the human ear to the sound will optimize the ability of the siren to effectively warn the community.

The reduction of signal intensity, as the distance from the siren increases and the minimum desired signal level at the fringe of the area to be covered are important considerations when choosing a siren installation site. As the distance from the siren increases, sound level losses accumulate. These losses are a result of weather conditions, the terrain, obstructions in the sound path, the pitch of the sound and the height of the siren.

Optimum sound propagation conditions exist when there are no obstructions in the sound path, the terrain is flat, and the air is calm. Under these conditions, each time the distance from the siren is doubled, the sound level decreases by approximately 10dB. For example, the sound level at 100 feet (30.5m) from a 2001 siren is 127dB. At 200 feet (61m), the level drops to 117dB; at 400 feet (122m) the sound level drops to 107dB; etc. This is referred to as the "loss per distance doubled".

A loss per distance doubled of 10dB is usually experienced because buildings and other obstructions are frequently present in the sound path. In addition, the atmosphere is rarely calm, and the terrain may not be flat. As a result, a typical loss per distance doubled in

residential areas may be 10dB, and as high as 12dB in areas having tall buildings or other factors detrimental to sound propagation.

Experience indicates an individual with normal hearing will probably hear a warning signal whose intensity is at least as high as the ambient noise level.

Experience has also shown that the ambient noise level in industrial districts is typically 90dB. Therefore, for a person to hear a warning signal in an industrial area, the sound level intensity of that signal must also be approximately 90dB. In this situation, any point receiving a signal having less than 90dB intensity is considered to be outside the effective range of the siren.

In business districts an ambient noise level of 80dB is common, and in residential areas, 68dB of ambient noise is typical. Assuming a 10dB loss per distance doubled and a 68dB minimum sound level, the effective range of the 2001 siren is approximately 5800 feet.

Wind speed and direction often affect the propagation of sound from the siren. Consequently, the direction of the prevailing wind may also be a factor to consider when selecting the installation site(s) of a small, one or two-siren system. For example, if the prevailing wind is from the west, it may be desirable to install the siren toward the western edge of the area to be covered.

Other factors to consider before selecting the installation site include the availability of electrical power, the ease of installation and maintenance, the height of surrounding obstructions, and security against vandalism.

3-2. SIREN INSTALLATION.

A. General.

Most siren installations are one of two types: Pole Mount or Flat Surface Mount. These two configurations make it possible to install a siren in almost any situation. If the installations in this paragraph are not suitable, modification of one of the configurations may be practical.

A siren is typically installed 50 ft. above the ground. If the installation is located less than 50 ft. above the ground, the sound intensity at close range may increase, but at the same time the effective range of the siren may be reduced. Conversely, if the siren is located more than 50 ft. above ground, the effective

range of the siren may increase, but the sound may skip over areas closer to the siren. These variables may make it desirable to test the sound coverage of the siren at various heights and locations whenever possible.

B. Pole Mounting.

A typical siren pole-mounted installation is shown in figure 3-1. The siren is mounted on a Class 2 utility pole 50 ft. above the ground. It is attached to the pole by means of legs, as shown in figure 3-2.

Using the 3 ft. long angle iron legs, the siren is mounted on the Class 2 utility pole as follows:

1. Uncrate the siren and remove the nuts that hold the siren on the shipping base. Lift the siren approximately 3-1/2 ft. with a crane or hoist.

2. Install the four legs on the siren mounting plate, as shown in figure 3-2. Use two 1/2" bolts, nuts and lockwashers (provided) for each leg. Do not tighten the bolts completely.

WARNING

The eyebolt does NOT have sufficient strength to support the combined weight of the siren and a utility pole. Therefore, do NOT attempt to erect the pole and siren together using the eyebolt as a lifting point.

3. Erect the utility pole in accordance with accepted practices. Be sure the pole extends about 48 ft. above the ground (refer to WARNING above).

4. Raise the siren to the necessary height, and lower it over the pole.

5. Adjust the legs and insert shims, if necessary, between the siren legs and pole. Bolt the siren to the pole using two 5/8" lag bolts, at least four inches long for each leg. Tighten all bolts.

C. Flat Surface Mount.

This installation configuration is practical when the installation site is on a flat roofed building. The siren can be anchored directly to the roof, on a platform as shown in figure 3-3, or on a weight distribution mat like the one shown in figure 3-4.

This mat is required when the siren mounting surface is unable to support over 176 pounds per square foot (859kg per square meter). The mat shown in figure 3-4 distributes the siren weight to approximately 25 pounds per square foot (122kg per square meter). When installing the siren on a flat roof, be sure that it clears the parapets or other obstructions by at least ten feet.

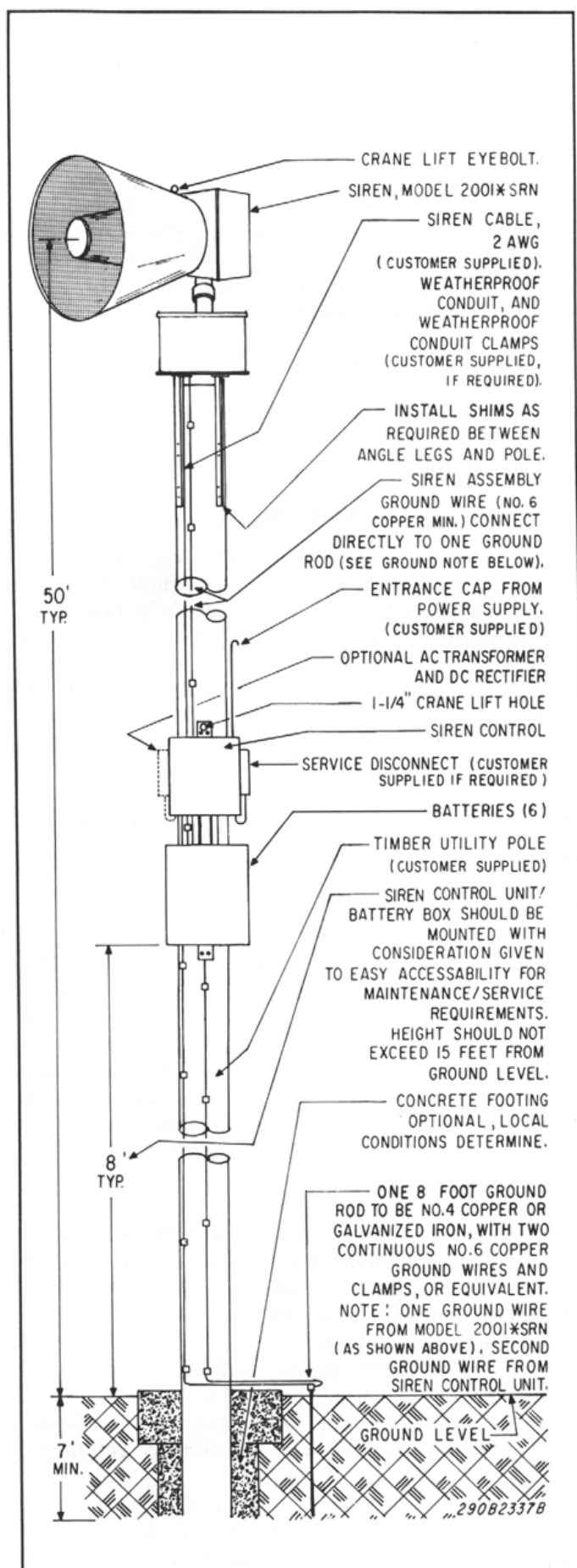


Figure 3-1. Typical Pole-mounted Installation.

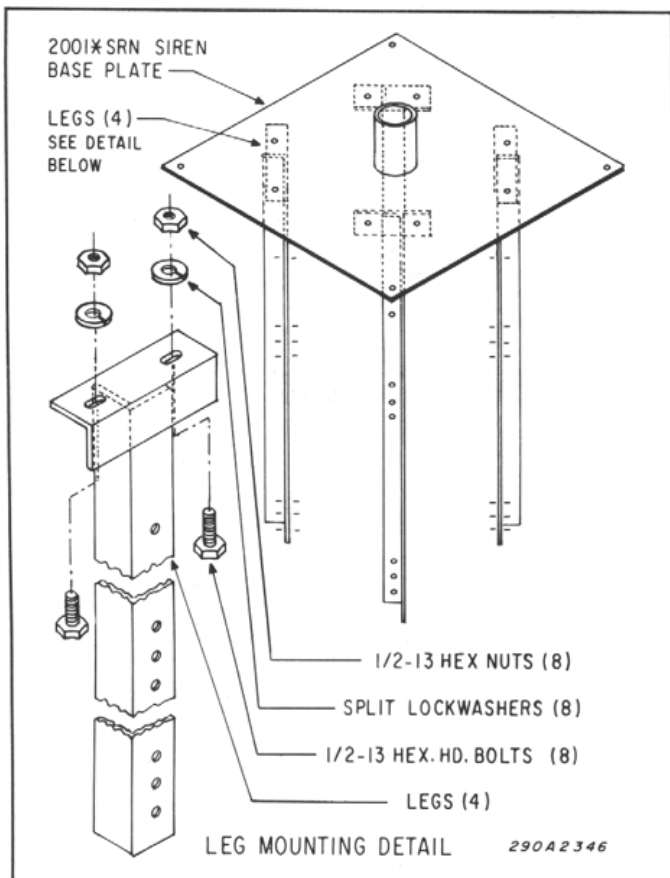


Figure 3-2. Siren Leg Assembly.

To install a 2001 siren on a flat roof or other flat surface, proceed as follows:

1. If desired, construct a platform for mounting the siren, which must be capable of supporting at least 395 lbs. (179kg.) as well as withstanding a siren wind load of 100 mph. The platform must also be capable of distributing its own weight plus the siren to a value that is safe for the mounting surface. Platform design and construction details are left to the installer. Locate the platform at the siren installation site. Using suitable hardware (not supplied), anchor the platform to the mounting surface.

CAUTION

The eyebolt and hoisting bracket do not have sufficient strength to support the combined weight of the siren and a platform. Therefore, do NOT lift the siren and platform together using the eyebolt as a lifting point.

2. Hoist the siren to the installation site using the eyebolt as a lifting point (refer to CAUTION above).

3. Anchor the siren to the mounting surface with 1/2" lag bolts or nuts and bolts, as appropriate through the mounting holes (one in each corner) in the siren base plate (see figure 3-3, detail A). If the siren is mounted directly on a roof, (without a platform or weight distribution mat) be sure to install waterproof joints at the points where the mounting bolts pass through the roof so that water does not enter the building.

3-3. PRE-OPERATION CHECKOUT.

After the siren has been completely installed, perform the following checks before putting the siren into service.

WARNING

The output sound level of a siren is capable of causing severe hearing discomfort or permanent hearing damage. Therefore, ALWAYS wear hearing protection when performing tests or maintenance on the siren.

- A. Make sure that all air intakes and sound outlets are not obstructed.

- B. Make sure all connections in the Control Unit/Battery Box are correct and properly tightened.

- C. Push the wail button on the control panel. Check for proper rotation and sound of siren.

- D. After the installation is complete and it has been established that the siren is operating properly, Federal recommends that all control devices be padlocked to discourage tampering and vandalism.

SECTION IV SERVICE

4-1. GENERAL.

DANGER

Service should be performed by qualified personnel familiar with the siren, associated controls, and power sources being used. The siren has moving parts, high operating currents, explosive gases, and corrosive materials that could cause severe personal injury, electrocution, or death. Before servicing or maintaining, ensure that remote activation can not occur and disconnect power to the siren and its controls.

Experience has shown that all Federal sirens are highly reliable devices. However, if a siren failure does occur, Federal will provide technical assistance with problems that cannot be handled satisfactorily and promptly locally. If assistance is desired, contact:

FWS Service Department
Signal Division
Federal Signal Corporation
2645 Federal Signal Drive
University Park, Illinois 60466
(708) 534-4777

WARNING

The output level of a 2001 siren is capable of causing permanent hearing damage. Therefore, ALWAYS wear hearing protection when performing tests or maintenance on the siren.

To prevent the siren from sounding or rotating, always turn off the power to the siren at the disconnect switch and remove the 48VDC, 4AWG red wire in the Battery Box before inspecting or maintaining the siren.

4-2. ADJUSTMENTS.

Siren Rotation Speed and Rotator Belt Replacement.

Unless otherwise specified by the customer, all sirens are shipped with the horn rotation speed set to 2 RPM. However, the rotating mechanism can also be set to rotate the siren horn at speeds of approximately 4 and 8 RPM.

To change the rotation speed of the horn, proceed as follows:

A. Turn off the power to the siren at the disconnect switch. Disconnect the 48VDC, 4 AWG red wire in the 2001*AC or 2001*DC Control Unit/Battery Box if used.

B. Remove the large panel opposite the conduit fitting on the rotator housing.

C. See figure 4-1. Pull the top part of the rotator belt toward you using the right thumb while rotating the motor pulley clockwise with the left hand. Use caution to avoid pinching your thumb between the belt and the rotator pulley. If necessary, repeat this step until the belt can be removed or is in the desired pulley grooves.

4-3. INSPECTION.

Test the 2001 siren for proper operation at least once a month. A daily test at noon, curfew, or other selected time is preferred. This not only enhances the usefulness of the siren, but instills public confidence in the reliability of the warning system.

In order to minimize the possibility of siren failure, annual inspection and maintenance is desirable. Battery replacement should be performed approximately every five years. This schedule is only a suggested guideline. It may be necessary to vary the schedule if the siren is used frequently or if it is used in an extreme climate.

A. Turn off the power to the siren at the disconnect switch. Disconnect the 48VDC, 4AWG red wire in the 2001*AC or 2001*DC if used.

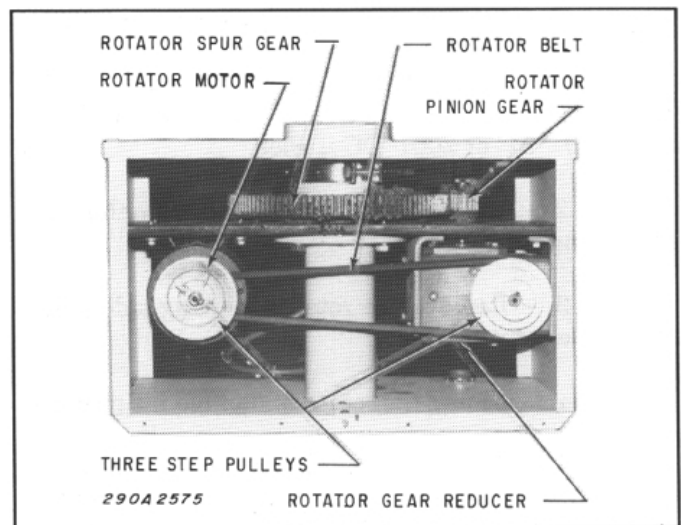


Figure 4-1. Rotator Assembly Interior View.

B. Inspect the siren installation to be sure that it is vertically oriented. Take corrective action if a pole mounted installation is more than 5° from vertical or if a roof or flat surface mount is more than 10° from vertical. This will prevent lubrication losses and excessive motor bearing wear.

C. Inspect all siren screens.

D. Inspect all electrical and mechanical connections. Make sure that all fasteners are properly tightened.

E. Inspect all painted surfaces and repaint as necessary.

F. Both the rotator motor and siren motor have sealed and prelubricated bearings. Therefore, neither of these motors require any additional lubrication.

4-4. CORRECTIVE MAINTENANCE.

This section includes illustrations that may be helpful if the siren or rotator needs repair.

WARNING

To prevent siren from sounding or rotating, always turn off power at the disconnect switch and disconnect the 48VDC, 4AWG red wire in the 2001*AC or 2001*DC if used before performing any maintenance on the siren.

A. *Rotator Belt Changing and Tightening.*

NOTE

To remove the rotator belt, follow the instructions in paragraph 4-2. To replace the belt, follow the instructions in reverse order.

To tighten the rotator belt, proceed as follows:

1. Turn off the power to the siren at the disconnect switch. Remove the 48VDC, 4AWG red wire in the 2001*AC or 2001*DC if used.

2. Remove both large panels from the rotator housing.

3. Remove the rotator housing side panel next to the rotator motor.

4. Loosen the rotator motor mounting bolts.

5. Slide the motor away from the gear reducer, tightening the belt. Tighten the belt so that the belt depresses approximately 1/2" when pressure is applied to the belt with one finger. In order to develop

proper belt tension, it will probably be necessary to use a pry bar to slide the motor away from the gear reducer. If a pry bar is used, use caution to avoid damage to the motor and the rotator parts.

6. Tighten the motor mounting bolts.

7. Replace the rotator housing side panel.

8. Replace both large panels.

B. *Drive Band Adjustment.*

1. When the drive band requires adjustment, tightening is almost always necessary. To determine if a drive band adjustment is required:

(a). Turn off power to the siren at the disconnect switch. Remove the 48VDC, 4AWG red wire in the 2001*DC or 2001* AC if used.

(b). Attach a spring scale having a capacity of at least 50 pounds (22kg.) to the horn of the siren as shown in figure 4-2.

(c). Pull on the scale until the horn begins to rotate. Continue to rotate the horn by pulling on the scale while reading the scale. The scale should indicate between 20 and 25 pounds (9 and 11kg.). It may require more than 40 pounds of force to start the horn moving. However, after the horn is moving, the scale indication should decrease to some force within the specified range. If the scale does not indicate between 20 and 25 pounds (9 and 11kg.), the drive band requires adjustment.

2. To adjust the drive band:

(a). Perform steps (a)., (b)., and (c). in paragraph 4-4.B.1. (above) to determine if a drive band adjustment is necessary.

(b). Ensure that power to the siren is disconnected.

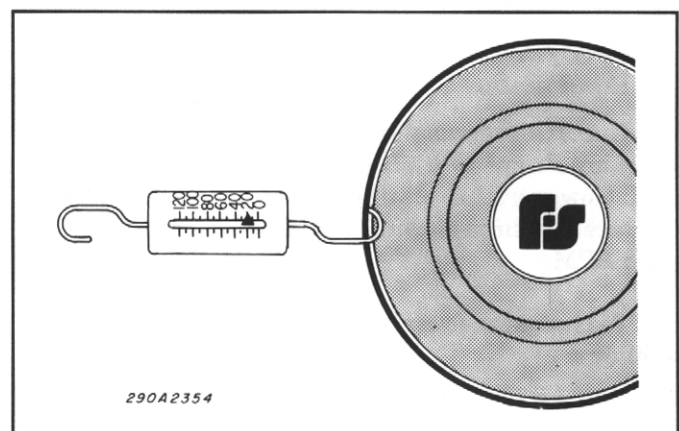


Figure 4-2. Spring Scale Attachment to Siren.

(c). Remove the large panel opposite the conduit fitting on the rotator housing.

(d). If necessary, manually rotate the gear reducer pulley until the cross bolt with the spring is accessible (see figure 4-3).

(e). Tighten the cross bolt with the spring one or two turns. DO NOT tighten or loosen the cross bolt without the spring. Attach the scale to the horn and pull on the scale to rotate the horn. If the scale does not indicate between 20 and 25 pounds (9 and 11kg.), repeat this step until the scale indicates the proper force.

CAUTION

If the cross bolt with the spring is tightened so that more than 40 pounds (18kg.) of pull is necessary to maintain manual horn rotation, high winds may cause damage to the rotator drive mechanism.

(f). Replace the large panel on the rotator housing.

C. Collector Ring Brush Replacement.

1. Open cover by removing screws and lockwashers. (See figure 4-4).

2. Remove the wing nut on the top of the collector housing assembly.

3. Note wiring on top cover before removing the wires.

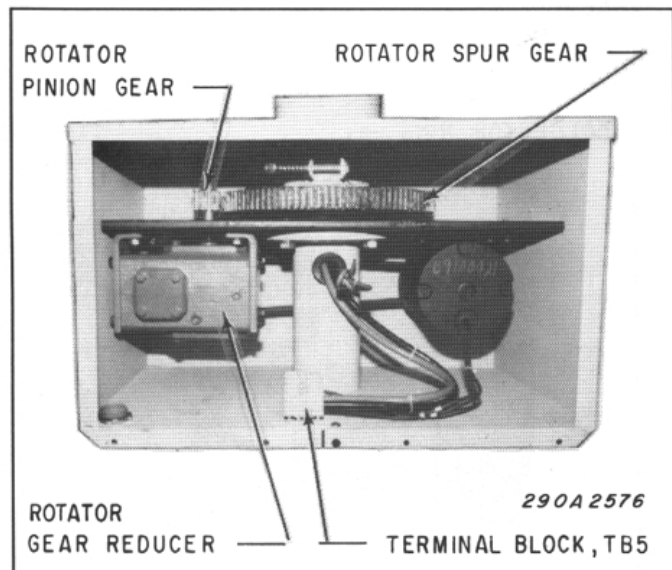


Figure 4-3. Drive Band Adjustment.

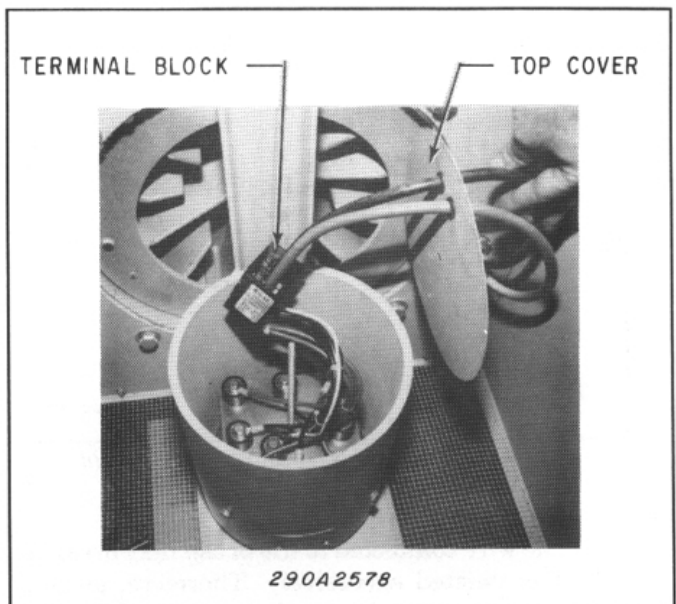


Figure 4-4. Collector Ring Housing.

4. Remove the four bolts on the side of the collector housing assembly (see figure 4-5) and remove the brush assembly. Note: Press down on brush assembly while removing the four bolts. Brush assembly is under spring tension while in position.

5. Use a file or sandpaper to flatten the concave surface and bevel the edges of the replacement brushes as shown in figure 4-6A.

6. Remove the worn collector ring brush from the brush holder in the brush holder bar.

7. Insert the replacement brush into the brush holder. If the brush protrudes through the brush holder so that the installation resembles figure 4-6B, the wire length needs to be shortened.

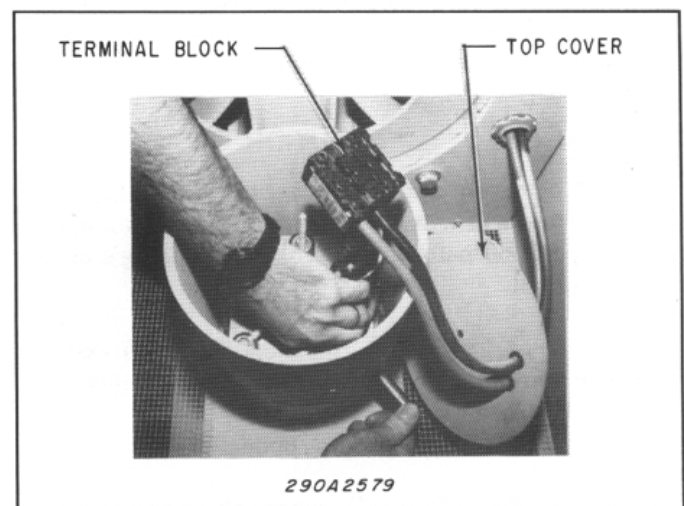


Figure 4-5. Installation/Removal Collector Brush Assy.

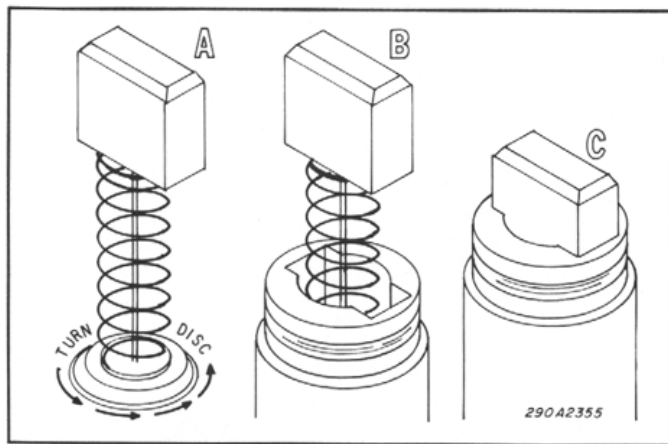


Figure 4-6. Slip Ring Brush Replacement.

CAUTION

The wire connected to the brush may break if it is twisted excessively. Therefore, do not turn the metal disc to shorten the wire more than absolutely necessary to obtain the proper length.

8. To shorten the wire length, remove the brush from the brush holder and turn the metal disc on the end of the spring two or three turns counterclockwise (see figure 4-6A). Repeat steps 7 and 8 until the installation looks like figure 4-6C.

D. Collector Ring Removal.

1. Remove the brush assembly as described above.
2. Disconnect the three wires from the terminal block (TB5) inside the rotator housing and begin feeding wires up into the siren shaft (see figure 4-2).
3. Federal suggests that the rotator drive band be loosened, as described in paragraph 4-4.B., to rotate the siren during removal of the collector ring bolts.

CAUTION

To prevent damage to the cover assembly, use a piece of wire to secure the cover in an open position before removing the housing's back panel.

4. Remove the back panel to expose the cover plate on the collector housing assembly.
5. Remove the cover plate.
6. Manually rotate the siren and remove each of the four bolts that hold in the collector rings (see figure 4-7). Access to these bolts can be gained through the cover plate opening.
7. Remove the collector rings with stand-offs and cables still attached (see figure 4-8).

8. Reassemble the collector rings, stand-offs, and cables before reinstallation.

9. To replace collector ring assembly, align the stand-offs before replacing the four bolts removed in step seven above.

10. Ensure that collector rings are concentrically aligned before replacing the brush assembly.

11. Replace the brush assembly.

12. Look through the cover plate opening and ensure that brushes are contacting the proper collector rings.

13. Replace the cover plate on the collector housing assembly.

14. Replace the back panel.

E. Rotator Motor Brush and Bearing Replacement.

1. Remove both large panels from the rotator housing.
2. Remove the rotator housing side panel next to the rotator motor (see figure 4-9).
3. Remove the rotator belt as described in paragraph 4-2.
4. Remove the rotator motor.
5. Loosen allen head set screw on motor pulley (see figure 4-10). Remove pulley and key from motor shaft.
6. Replace brushes and/or bearings as required.

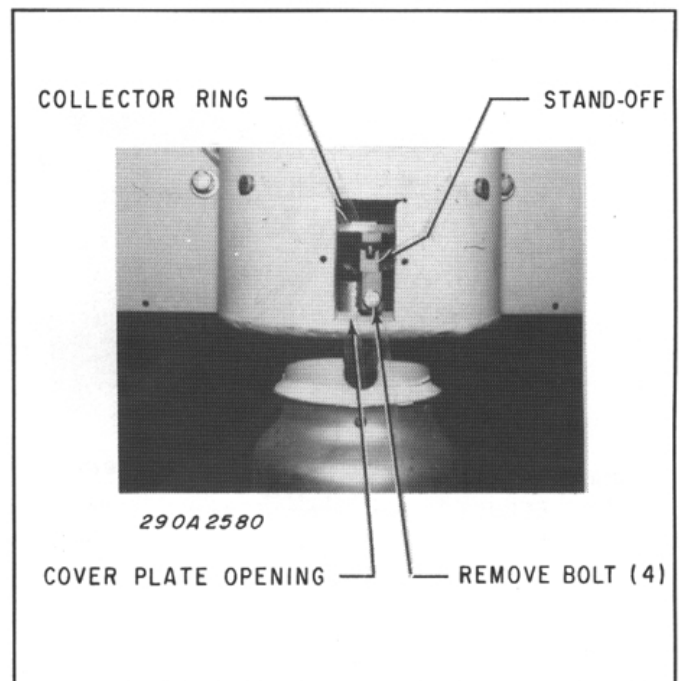


Figure 4-7. Collector Housing Cut-Out.

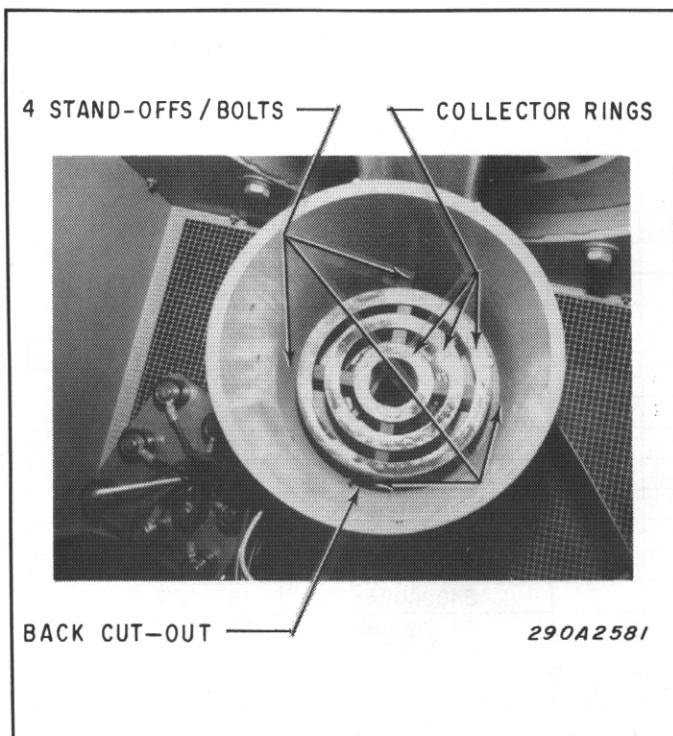


Figure 4-8. Collector Rings/Stand-Offs.

7. Replace the key and pulley. Do not tighten the allen head set screw at this time.

8. Replace rotator motor. Do not tighten motor mounting bolts.

9. Before tightening the allen head set screw, use a straight edge to ensure that the two pulleys are properly aligned (see figure 4-11).

10. Replace rotator belt following the instructions in paragraph 4-2. in reverse order.

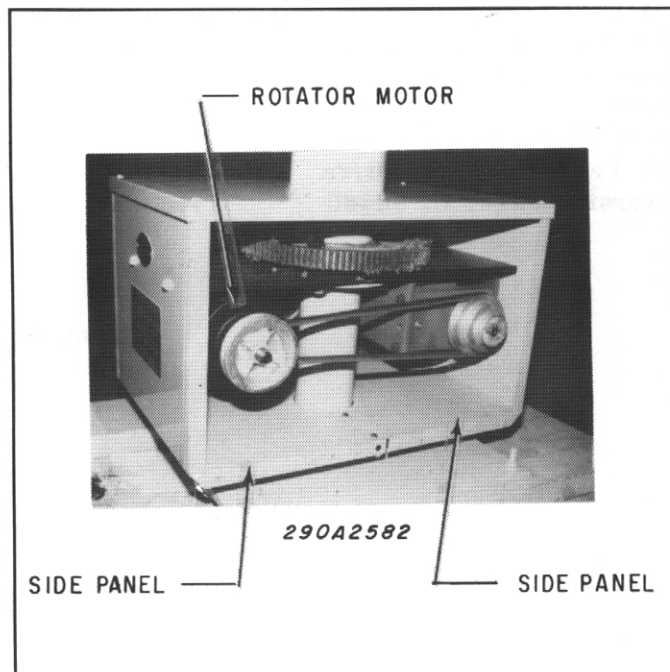


Figure 4-9. Removal/Replacement of Rotator End Housing.

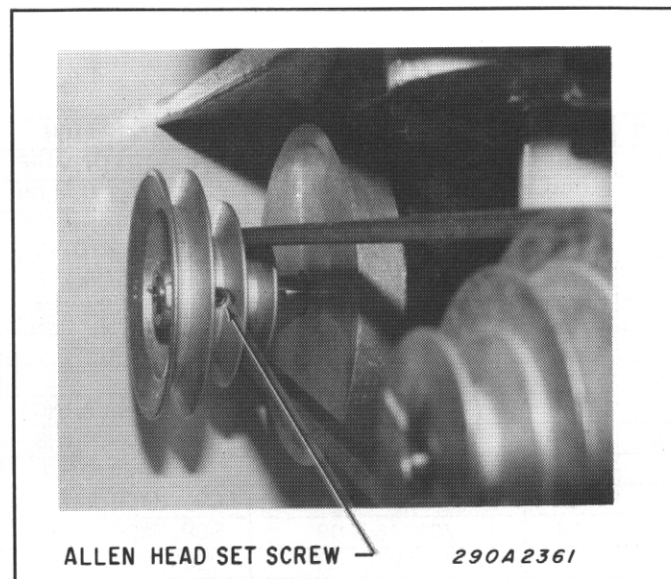


Figure 4-10. Rotator Motor Pulley and Set Screw.

11. Tighten the rotator belt and finish reassembly following the instructions in paragraph 4-4.A.5. through 4-4.A.8.

F. Siren Motor Brush Replacement.

1. Remove the outer cone. Remove the inner cone by removing the four 1/4-20 bolts which secure the cone to the four internal mounting brackets (8402087E-01).

2. Note siren motor wiring and remove both terminal connectors.

3. Remove steel mesh brush covers from motor.

4. Replace worn brushes.

5. Replace steel mesh brush covers.

6. Replace terminal connectors, lockwashers, and nuts. Tighten nuts.

7. Replace inner and outer cones.

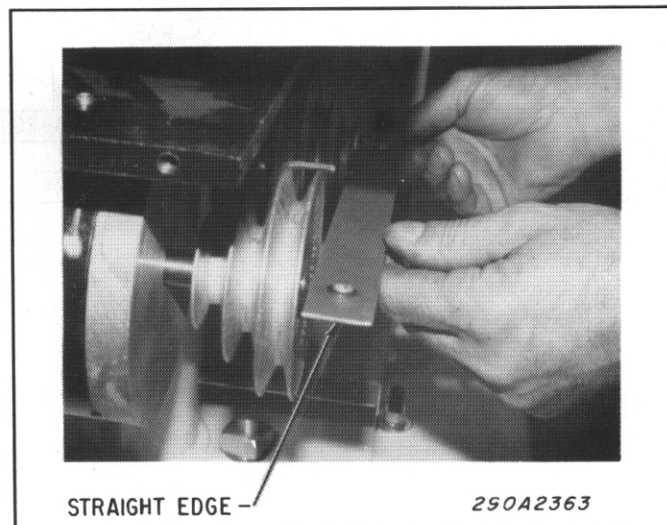


Figure 4-11. Checking Alignment of Pulleys.

SIREN PARTS LIST

ITEM	REQ'D	PART NUMBER	DESCRIPTION
1	.01	R015-02-01	STL, STRAIN, WIRE
2	.58	R92-11-01	CONDUIT, CARFLON
3	1	T300A104-02-0001	WIRE, TERMINATED
4	1	T300A104-02-0002	WIRE, TERMINATED
5	1	T300A104-10-0001	WIRE, TERMINATED
6	1	T300A104-10-0002	WIRE, TERMINATED
7	1	161693A	LABEL, FS
8			
9	1	161A506A	LABEL, WARNING
10	1	161A507A	LABEL, WARNING
11	1	229A203A	TERM. PWR. DIST.
12	2	7000A408-14	SCR, MACH PAN HD
13	14	7011167-08	SCR, MACH RD HD
14	14	7000A311-10	SCR, MACH HEX
15	2	7000A345-16	SCR, MACH HEX
16	4	7000A311-36	SCR, MACH HEX
17	14	7000A346-08	SCR, MACH HEX
18	4	7002A009-16	BOLT, HEX HD
19	2	7099A103-15	RIVET
20	4	7002A013-20	SCR, CAP HEX HD
21	2	7000A070-09	SCR, MACH, RD HD
22	1	7003A007	BOLT, EYE STL
23	2	7057A056	NUT, S.S., 1/2-13
24	4	7058A045	NUT, 8-32
25	10	7072A015	WASHER, FLAT, #10 SS
26	2	7058A010	NUT, EL STOP
27	1	H447-104	NAMEPLATE
28	2	7074A011	LKWASH, SPLIT
29	10	7058A047	NUT, KEPS, 10-32
30	4	150A109	TIE WRAP
31	4	7072A059	WASH, FLAT
32	6	7060A019A	CLIP, PUSH ON
33	18	7075A072	WASH, #10 INT. TTH.
34	10	7072A024	WASH, FLT, SS
35	4	7072A140	WASH, FLT, STL
36	14	7060A000	TINNERMAN CLIP, 8 A
37	19	7074A016	LK WASH, SPLIT
38	2	7074A021	LK WASH, SPLIT
39	5	7074A059	LK WASH, SPLIT, S.S.
40	9	7074A046	LK WASH, SPLIT
41	2	7075A007	LKWASH, EXT TT
42	1	161319A	LABEL, MOTOR
43	1	7064A010	NUT, WING, 1/4-20
44	2	8108A002	GROMMET
45	1	8549A083A	ACCY. KIT, MTG.

ITEM	REQ'D	PART NUMBER	DESCRIPTION
46	4	8549A170A	BRACKET ASSY.
47	2	8279A033	BOLT, LOCKING
48	1	8402A005A	PLATE, LOCKING
49	1	8402D001B	STATOR, DC SIREN
50	4	8402A023B	INSULATOR, RING
51	1	8402037C	COVER, CONE
52	1	8402038B	SCREEN, OUTER
53	1	8402D014A	ROTATOR MECH.
54	1	8402036C-01	CONE ASSY., INNER
55	1	8402A052A	KEY, WOODRUFF
56	1	8402A067A	SCR, LOCKING
57	1	8402A068A	FITTING, 1" COND.
58	1	8402A069A	WINDOW, HOUSING
59	4	8402087E-01	BRKT., CONE MTG.
60	1	8402A084A	SPACER, ROTOR
61	1	8402B006B	MOTOR, 48V, ROTOR
62	1	8402B015B	COVER, COLLECTOR
63	1	8402B019A	RING, COLLECTOR
64	1	8402086C	COVER
65	1	R70-16-01	RTV, BLUE
66	1	8402C002A	ROTOR, DC SIREN
67	1	8402C020A	RING, COLLECTOR
68	1	8402C024A	ASSY, BRUSH HOLDER
69	1	8402026B	CONE ASSY, OUTER
70	2	8402028E	HOUSING, SIDE

DO NOT ORDER PARTS BY ITEM NUMBER. Give model, voltage, description and part number. Refer to PARTS PRICE LIST (Part No. 1001) for prices of parts.

Federal Signal Corporation
Signal Division
2645 Federal Signal Drive
University Park, IL 60466

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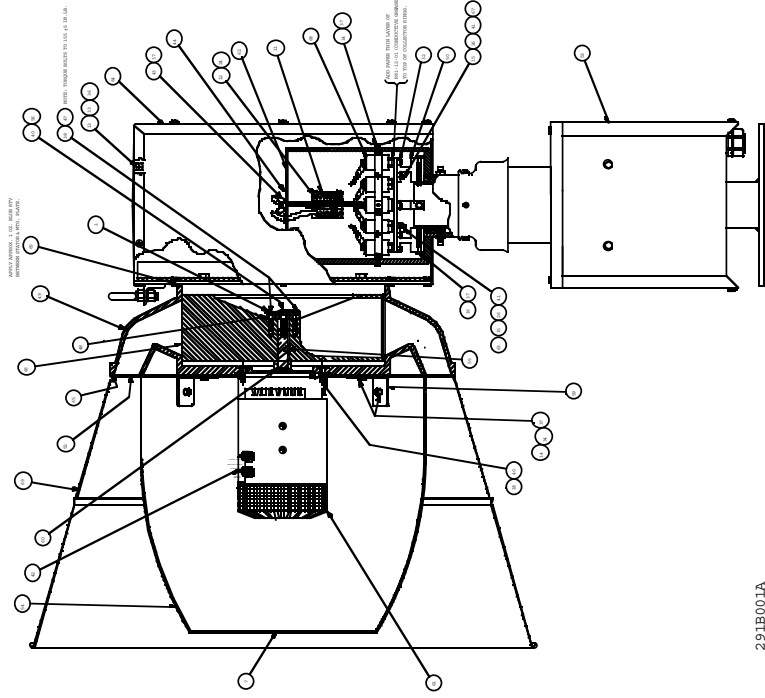
FEDERAL SIGNAL CORPORATION

PARTS INDEX

2001SRN

DC SIREN

SIREN PARTS



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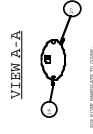
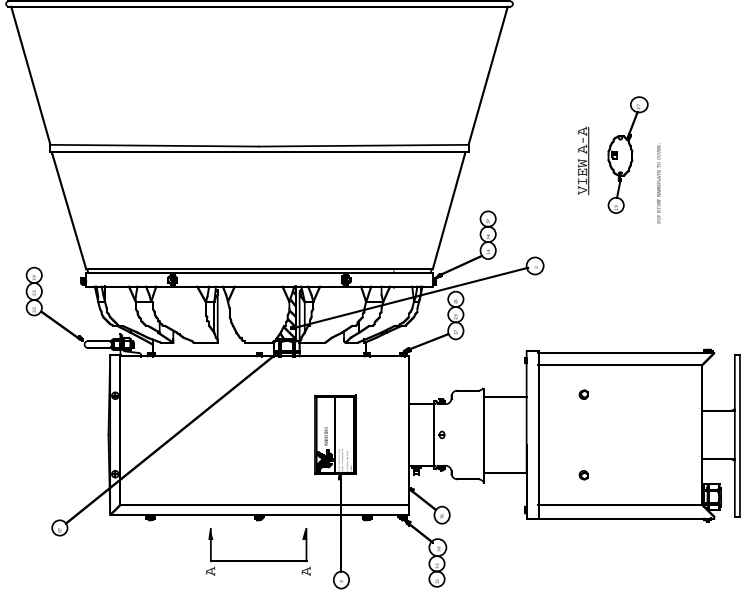
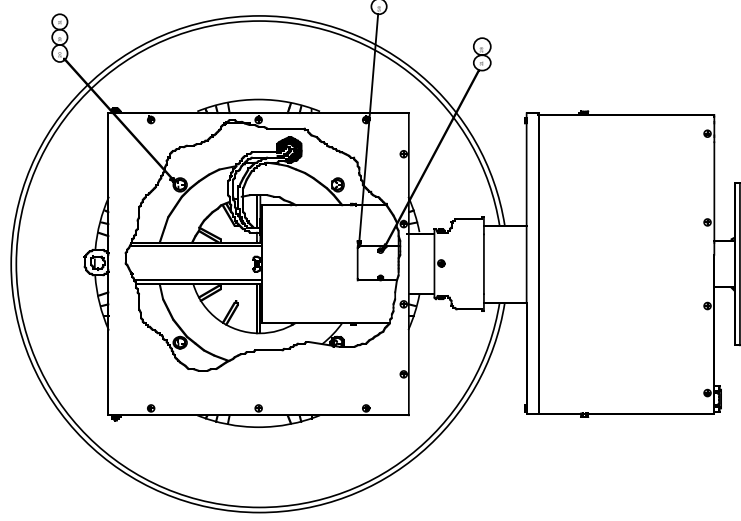
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VIEW A-A

FOR FURTHER INFORMATION TO ORDER

ROTATOR PARTS LIST

ITEM	REQ'D	PART NUMBER	DESCRIPTION
1	1	229A206A	TERM, PWR, DIST
2	2	7000A070-16	SCR, MACH, RD HD
3	4	7000A070-09	SCR, MACH, RD HD
4	4	7002A005-06	SCR, CAP, HEX HD
5	1	288A112	GROMMET
6	4	7002A005-14	SCR, CAP, HEX HD
7	4	7002A009-16	SCR, CAP, HEX HD
8	1	7000A326-32	SCR, CAP, HEX HD
9	1	7002A007-56	SCR, CAP, HEX HD
10	4	7002A013-20	SCR, CAP, HEX HD
11	2	7058A013	NUT, EL STOP
12			
13	9	7058A047	NUT, KEPS, #10-32
14	9	7072A015	WASH, FLT, #10 SS
15	4	7072A032	WASH, FLT, STL
16	2	7072A034	WASH, FLT, STL
17	4	7074A011	LKWASH, SPLIT
18	4	7074A046	LKWASH, SPLIT
19	8	7074A021	LKWASH, SPLIT
20	4	7074A059	LKWASH, SPLIT, SS
21	2	7058A008	STOP NUT
22	9	7000A346-08	SCR, CAP, 10-32 SS
23	1	8283A886	SPRING
24	8	7011167A-08	SCREW, #8 A
25	1	8400A017	BEARING, SLEEVE
26	2	8400A077-01	PULLEY, 3 STEP
27	.01 oz.	R72-16-01	LOCTITE, MED. STRENGTH
28	8	7060A000	CLIP, TINNERMAN
29	2	8402118A	FITTING, GREASE
30	2.06 oz.	R70-20-01	CALK, ACRILIC LATEX
31	1	8402090B	BELT, V TYPE 4
32	4	8400A280	PIN, ROLL
33	1	8400A363A	KEY, ROTATOR
34	1	8400A456C	GEAR REDUCER ASSY
35	1	8400B031L	PLATE, ROTATOR
36	1	8400B041	COVER, ROTATOR
37	2	8400B055	DRIVE BAND ASSY
38	1	8400C008	GEAR, SPUR
39	2	8402126A	END & BOTTOM
40	1	8402089A	FOOT MTG. KIT
41	1	8402A068A	FITTING, 1", COND
42	1	8402B007C	MOTOR, 48V, ROTATING
43	1	8402C049C	HOUSING, PLATE
44	1	8402D056A	TUBE, PLATE, ASSY
45	2	8400C311E	COVER, ROT. FRONT
46	1	8402125A	COVER ASSY.
47	1	231200A	PLUG, KNOCKOUT

DO NOT ORDER PARTS BY ITEM NUMBER. Give model, voltage, description and part number. Refer to PARTS PRICE LIST (Part No. 1001) for prices of parts.

Federal Signal Corporation

Signal Division

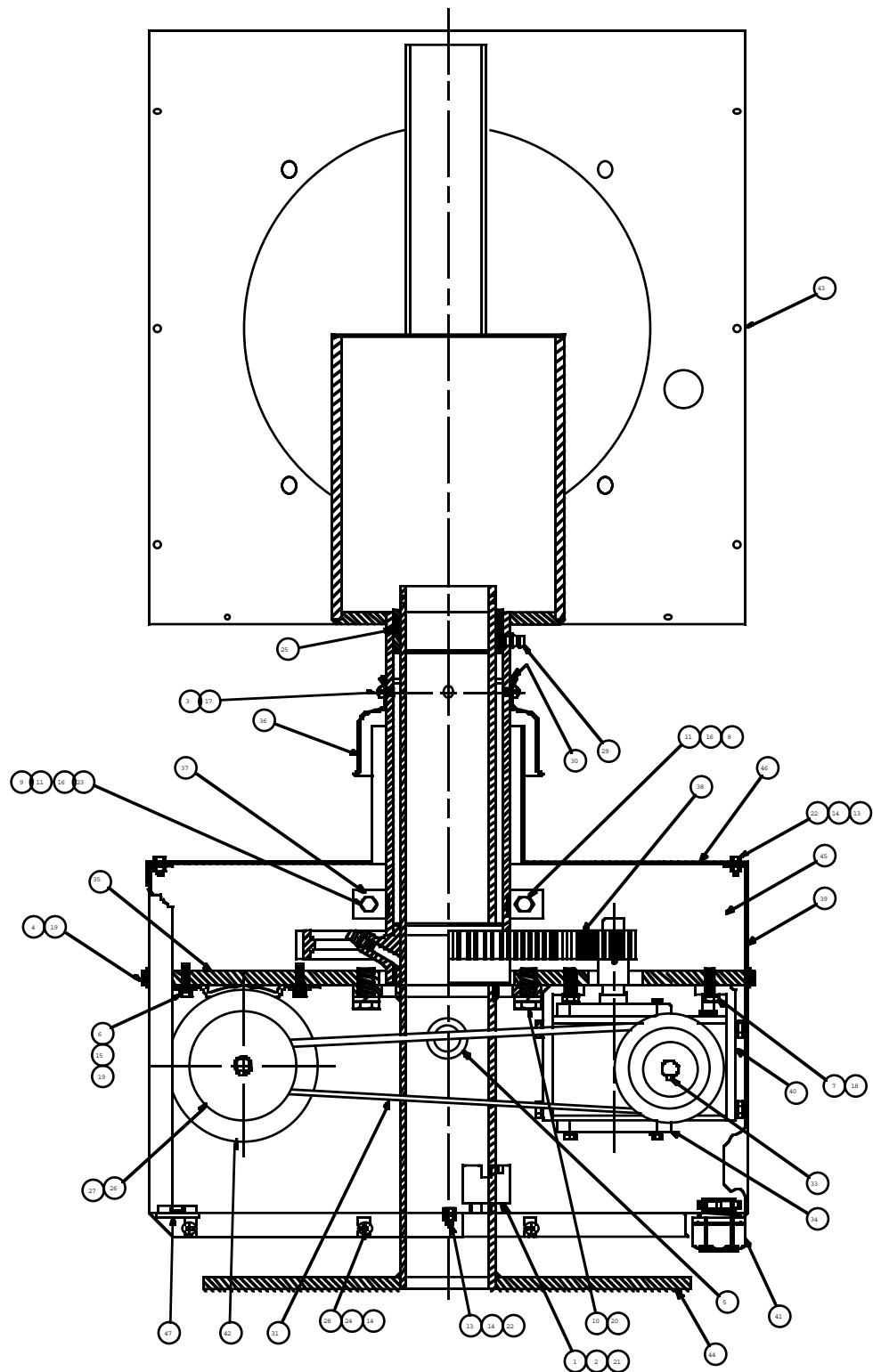
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Figure 4-13. Siren Parts Location Diagram.

 PARTS INDEX
2001SRN
DC SIREN
 ROTATOR PARTS



291B005A

Affidavit of Non-Collusion

a form required of Bidders and Proposers on purchases of supplies, materials, equipment and services for the
City of Franklin, Tennessee

State of TENNESSEE)
County of DAVIDSON) SS

Affiant, STEVEN M. RICH, deposes and makes oath that:
(printed name of person signing Affidavit)

1. He or she is the SECRETARY / VP of
(Owner or Authorized Partner, Officer, Representative or Agent of Owner)
COMMUNICATIONS GROUP INC. dba COMMTECH,
(legal name of entity submitting bid or proposal)

the Bidder or Proposer who has submitted the attached bid or proposal;

2. The Bidder or Proposer is fully informed respecting the preparation and content of the attached bid or proposal and of all pertinent circumstances respecting such bid or proposal;
3. Such bid or proposal is genuine and is not a collusive or sham bid or proposal;
4. Neither the said Bidder or Proposer nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this Affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any official or agent of the City of Franklin or with any other firm, person, or potential or actual bidder or proposer to submit a collusive or sham bid or proposal in connection with the contract for which the attached bid or proposal has been submitted, or to refrain from bidding or proposing indirectly, or sought by agreement, or collusion, or communication, or conference with any other firm, person, or potential or actual bidder or proposer to fix the price or prices or cost element of the bid, quoted or proposed price or the bid, quoted or proposed price of any other potential or actual bidder or proposer, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the City of Franklin or any person interested in the proposed contract;
5. The price or prices quoted in the attached bid or proposal are fair and proper and are not tainted by a collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this Affiant; and
6. He or she understands that Article VIII, Section 16, of the City Charter of Franklin, and T.C.A. §6-54-107, prohibit any member of the Board of Mayor and Aldermen, or officer elected by said Board, from being interested in any contract, or work of any kind whatever, under its control and direction, and any contract in which any such person shall have an interest shall be void and unenforceable, subjecting any funds received by contractor to be returned in full to the City, in addition to any other penalties provided by law.

[Signature] (signature of Affiant) Sec (title of Affiant)

Sworn and subscribed to before me this 28th day of February, 2015

[Signature]
(Notary Public)

My Commission Expires: 11/5/2018

(Submitted in response to City of Franklin Purchasing Office Solicitation No. 2015-025)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

04/27/2015

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PRODUCER Tillman/Allen Insurance Inc. 500 Wilson Pike Circle Suite 230 Brentwood, TN 37027	CONTACT NAME:		
	PHONE (A/C, No, Ext): (615)370-9080	FAX (A/C, No): (615)370-9691	
	E-MAIL ADDRESS: myagent@tillmanallen.com		
INSURED Communications Group, Inc 441 Donelson Pike Suite 420 Nashville, TN 37214	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: State Auto		25135
	INSURER B:		
	INSURER C:		
	INSURER D:		
	INSURER E:		
INSURER F:			

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ Contractors Plus End SL1011 GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PRO-JECT ☐ LOC OTHER:			PBP101643624	3/15/2015	3/15/2016	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	☐ AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☒ SCHEDULED AUTOS ☒ HIRED AUTOS ☒ NON-OWNED AUTOS ☒ Comp & Coll			BAP6559265	3/15/2015	3/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Comp & Collision Ded \$ 250
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED RETENTION \$			PBP101643624	3/15/2015	3/15/2016	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 \$
A	☒ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N ☐ N/A			WCP687725927	3/15/2015	3/15/2016	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Electrical Permit Bond			SUR003274923	10/7/2014	10/7/2015	Limit - \$40,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

(615)371-2233 City of Brentwood 5211 Maryland Way Brentwood, TN 37027	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Susan H. Reid</i>
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CERTIFICATE OF LIABILITY INSURANCE

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INSURED Communications Group, Inc 441 Donelson Pike Suite 420 Nashville, TN 37214	<table><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A: State Auto</td><td>25135</td></tr><tr><td>INSURER B:</td><td></td></tr><tr><td>INSURER C:</td><td></td></tr><tr><td>INSURER D:</td><td></td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: State Auto	25135	INSURER B:		INSURER C:		INSURER D:		INSURER E:		INSURER F:	
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DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

(615)794-7012 (615)591-9066 City of Franklin Attn: Purchasing Manager 109 3rd Avenue South Franklin, TN 37064	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Susan H. Reid</i>
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PRODUCER Tillman/Allen Insurance Inc. 500 Wilson Pike Circle Suite 230 Brentwood, TN 37027	CONTACT NAME:	
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NAIC #
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CERTIFICATE HOLDER**CANCELLATION**

(615)790-5466 Williamson County Government 1320 West Main Street, Suite 130 Franklin, TN 37064	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Susan B. Reid</i>
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State of Tennessee

BOARD FOR LICENSING CONTRACTORS

CONTRACTOR

COMMUNICATIONS GROUP, INC.

8860770
294845

*This is to certify that all requirements of the State of Tennessee
have been met.*

ID NUMBER: 00048216

LIC STATUS: ACTIVE

EXPIRATION DATE: 01/31/2016

E-D:
S-TELECOMMUNICATIONS:

\$1,000,000.00



IN-1313

DEPARTMENT OF
COMMERCE AND INSURANCE

CITY OF FRANKLIN, TENNESSEE PROCUREMENT AGREEMENT

(City of Franklin Contract No. 2015-0123)

Attachment No. 2

Contact information for a minimum of three references

City of Spring Hill, Tennessee
199 Town Center Parkway
Spring Hill, TN 37174
Brandie Arabie-Smith
931-486-2252 ext 246

Wilson County EMA
110 Oak Street
Lebanon, TN 37087
Marty Heckman
615-444-8799 x122

Metro/Nashville Office of Emergency Management
(Installation Contract for 93 Federal Signal warning sirens)
Metro Radio Shop
Jody Clinard
615-862-5122

We have also supplied and maintained Federal Signal warning sirens for the City of Brentwood, the City of Franklin, and Williamson County for the past 10 years.

**CITY OF FRANKLIN, TENNESSEE
PROCUREMENT AGREEMENT**

(City of Franklin Contract No. 2015-0123)

Attachment No. 3

CITY's Standard Procurement Terms and Conditions with
VENDOR's contact information inserted

Standard Procurement Terms and Conditions

City of Franklin, Tennessee

1. Assignment/Subcontracting. Neither party may assign any rights or obligations under these Standard Procurement Terms and Conditions or any Statement of Work without the prior written consent of the other party. These Standard Procurement Terms and Conditions will be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns. Vendor may subcontract any portion of the work only with the prior consent of the City, but such subcontracting will not relieve Vendor of its duties under these Standard Procurement Terms and Conditions.
2. Time of the Essence. The parties agree that TIME IS OF THE ESSENCE with respect to the vendor's performance of all provisions of this procurement.
3. Taxes. As a tax-exempt entity, the City shall not be responsible for sales or use taxes incurred for products or services. Upon request, the City shall supply Vendor with a copy of its Sales and Use Tax Exemption Certificate. Vendor shall bear the burden of providing its suppliers with a copy of the City's tax exemption certificate and shall assume all liability for such taxes, if any, that should be incurred.
4. Notices. Any notice provided pursuant to these Standard Procurement Terms and Conditions, if specified to be in writing, will be in writing and will be deemed given: (a) if by hand delivery, then upon receipt thereof; (b) if mailed, then three (3) City business days after deposit in the mail where sender is located, postage prepaid, certified mail return receipt requested; (c) if by next day delivery service, then upon such delivery; or (d) if by facsimile transmission or electronic mail, then upon confirmation of receipt. All notices will be addressed to the parties at the addresses set forth below (or set forth in such other document which these Standard Procurement Terms and Conditions may accompany, or such other address as either party may in the future specify in writing to the other):

In the case of the City:

City of Franklin

Attn: Purchasing Manager

Re: City of Franklin Purchasing Office Solicitation No. 2015_025

109 Third Ave. South

P.O. Box 305

Franklin, TN 37065-0305

FAX: 615/550-0079

E-mail: purchasing@franklintn.gov

In the case of Vendor:

Communications Group, Inc. d/b/a CommTech

Beverly Ash

441 Donelson Pike, Suite 420

P.O. Box 148242

Nashville, TN 37214

Fax 615 391-0300

beverly@commtechradio.com

Standard Procurement Terms and Conditions

City of Franklin, Tennessee

5. **Confidentiality and Proprietary rights.** Vendor waives any right to confidentiality of any document, e-mail or file it fails to clearly mark on each page (or section as the case may be) as confidential or proprietary. Proprietary rights do not extend to the data created by the City's users of the System; all rights to that data (including derivative or hidden data such as metadata) shall vest solely in City at the moment of creation and City shall retain exclusive rights, title, and ownership of all data and images created therefrom at the moment of creation and utilization, through and including image creation. City may be required to disclose documents under state or federal law. City shall notify Vendor if a request for documents has been made and shall give Vendor a reasonable opportunity under the circumstances to respond to the request by redacting proprietary or other confidential information. In exchange, Vendor agrees to indemnify, defend, and hold harmless City for any claims by third parties relating thereto or arising out of (i) the City's failure to disclose such documents or information required to be disclosed by law, or (ii) the City's release of documents as a result of City's reliance upon Vendor's representation that materials supplied by Vendor (in full or redacted form) do not contain trade secrets or proprietary information, provided that the City impleads Vendor and Vendor assumes control over that claim.
6. **Derivative Works.** To the extent that the Agreement contains Vendor's reservation of rights, such definitions and limitations are superseded by the following: "Derivative Work" means a program that is based on or derived from one or more existing programs or components. If the original software is modified to create a new program, a derived work is created. If the original software was designed to accept plug-ins or drivers using a defined mechanism, such a driver or plug-in does not form a derived work. Linking to a library in the way it was designed to be interfaced with, does *not* constitute deriving a work. "Derivative work" is *not* the data that the Licensee inputs, manipulates, modifies or otherwise improves, nor the images resulting therefrom.
7. **Arbitration/Mediation.** No arbitration shall be required as a condition precedent to filing any legal claim arising out of or relating to the Contract. No arbitration or mediation shall be binding.
8. **Waiver.** Neither party's failure or delay to exercise any of its rights or powers under these Standard Procurement Terms and Conditions will constitute or be deemed a waiver or forfeiture of those rights or powers. For a waiver of a right or power to be effective, it must be in writing signed by the waiving party. An effective waiver of a right or power shall not be construed as either (a) a future or continuing waiver of that same right or power, or (b) the waiver of any other right or power.
9. **Warranties/Limitation of Liability/Waiver.** City reserves all rights afforded to local governments under law for all general and implied warranties. The City does not waive any rights it may have to all remedies provided by law and therefore any attempt by Vendor to limit its liability shall be void and unenforceable.
10. **Severability.** If any term or provision of these Standard Procurement Terms and Conditions is held to be illegal or unenforceable, the validity or enforceability of the remainder of these Standard Procurement Terms and Conditions will not be affected.

Standard Procurement Terms and Conditions

City of Franklin, Tennessee

11. **Precedence.** In the event of conflict between the provisions of these Standard Procurement Terms and Conditions and any contract, agreement or other document which these Standard Procurement Terms and Conditions may accompany, the provisions of these Standard Procurement Terms and Conditions will to the extent of such conflict take precedence unless such document expressly states that it is amending these Standard Procurement Terms and Conditions.
12. **Indemnification.** Vendor agrees to indemnify and save the Government of Franklin, the City of Franklin and individual, on or off duty, officers, and employees of the City of Franklin, harmless from any and all losses, damages and expenses, including court costs and attorneys' fees, by reason of any loss, whatsoever, arising out of or relating to or in consequence of the work done in connection with the contract of which this agreement is a part, excepting only such losses as shall be occasioned solely by the negligence of the City of Franklin.
13. **Additions/Modifications.** If seeking any addition or modification to the Contract, the parties agree to reference the specific paragraph number sought to be changed on any future document or purchase order issued in furtherance of the Contract, however, an omission of the reference to same shall not affect its applicability. In no event shall either party be bound by any terms contained in any purchase order, acknowledgement, or other writings unless: (a) such purchase order, acknowledgement, or other writings specifically refer to the Contract or to the specific clause they are intended to modify; (b) clearly indicate the intention of both parties to override and modify the Contract; and (c) such purchase order, acknowledgement, or other writings are signed, with specific material clauses separately initialed, by authorized representatives of both parties.
14. **Applicable Law; Choice of Forum/Venue.** These Standard Procurement Terms and Conditions are made under and will be construed in accordance with the laws of the State of Tennessee without giving effect to any state's choice-of-law rules. The choice of forum and venue shall be exclusively in the Courts of Williamson County, TN.
15. **Termination.** Unless the City has indicated otherwise for a specific procurement solicitation, either party may terminate these Standard Procurement Terms and Conditions, with or without cause, upon thirty (30) calendar days' notice to the other. Upon termination by the vendor, the City shall be entitled to retain ownership of any and all goods and equipment purchased. Upon termination by the City, the vendor shall be entitled to receive any amounts due as a result of goods and equipment already delivered and/or services already rendered; however, the City shall maintain ownership and control of any goods and equipment purchased. Upon termination of services, whether connected or unconnected to goods and equipment, such services shall be rendered until the conclusion of the 30th calendar day as stated in the notice or until a contractual benchmark has been achieved, or as the parties may otherwise agree.

Standard Procurement Terms and Conditions

City of Franklin, Tennessee

16. Breach. Upon deliberate breach of these Standard Procurement Terms and Conditions, or of any contract, agreement or other document which these Standard Procurement Terms and Conditions may accompany, by either party, the non-breaching party shall be entitled to terminate these Standard Procurement Terms and Conditions without notice, with all of the remedies it would have in the event of termination under section 10 ("Severability") above, and may also have such other remedies as it may be entitled to in law or in equity.
17. Default. If Vendor fails to perform or comply with any provision of these Standard Procurement Terms and Conditions, or of any contract, agreement or other document which these Standard Procurement Terms and Conditions may accompany, then the City (i) may cancel the purchase award and/or the accompanying contract or agreement or purchase order, in whole or in part, without penalty or protest by Vendor; (ii) may consider such failure to perform or comply as a breach of contract; (iii) reserves the right to purchase its requirements from the vendor that submitted the next lowest and best responsive and responsible bid, or the vendor that submitted the next best proposal, if that vendor will still honor that bid or proposal, or to seek new bids or proposals, or to pursue one or more other options available to the City in compliance with its then current purchasing policy; and (iv) may hold the defaulting vendor liable for all damages provided by law, including cost of cover.
18. Entire Agreement. These Standard Procurement Terms and Conditions, including any contract, agreement or other document which these Standard Procurement Terms and Conditions may accompany, constitutes the entire agreement between the parties and supersedes any prior or contemporaneous communications, representations or agreements between the parties, whether oral or written, regarding the subject matter of these Standard Procurement Terms and Conditions. The terms and conditions of these Standard Procurement Terms and Conditions may not be changed except by an amendment expressly referencing these Standard Procurement Terms and Conditions by section number and signed by an authorized representative of each party.
19. Survival. These Standard Procurement Terms and Conditions shall survive the completion of or any termination of any contract, agreement or other document which these Standard Procurement Terms and Conditions may accompany.

FIRE SERVICE AUTOMATIC AID AGREEMENT

BETWEEN
THE CITY OF BRENTWOOD
AND
THE CITY OF FRANKLIN



OPERATIONAL GUIDELINES AND PROCEDURES

2015 Revised

PURPOSE

The purpose of this agreement is to establish enhanced automatic response guidelines determined by the City of Brentwood Fire Department and City of Franklin Fire Department to be in the best interest of public safety and to the mutual benefit of both communities. The *Automatic Aid* districts outlined in this document identify perceived target hazards in each jurisdiction for which the benefits of an enhanced initial response have been identified. This agreement provides for the simultaneous dispatch of both agencies, resulting in the delivery of a greater initial response force to these target hazards within a shorter period of time. This agreement does not preclude the use of *Mutual Aid* between these two communities nor does it supersede or supplant either statewide (*i.e. Mutual Aid and Emergency and Disaster Assistance Agreement Act*) or local contracts such as the Emergency Assistance Policies and Procedures adopted by the Cities of Brentwood, Franklin, and various other Williamson County entities in 1999.

COMMUNICATIONS

- When a structure fire call is received by either jurisdiction that falls within the automatic aid boundaries, the receiving jurisdiction will cause notification to occur for both departments through a mutually agreeable mechanism so as not to delay a response.
- When an automatic aid response is dispatched, all responding units will utilize the radio frequency and channel(s) pre-defined for automatic aid response for all radio traffic.
- All communications for the incident will be controlled by the dispatch center for the AHJ. The exception to this rule occurs when an “emergency activation” is generated from a Franklin Fire radio. In this instance, Franklin’s communication Center will initiate established protocols for this event and ensure that the Incident Commander is aware of the situation.
- The dispatch center for the department providing aid will monitor all radio traffic and appropriately time stamp critical traffic such as apparatus response times, under control declaration, loss stopped, etc.

DISPATCHING GUIDELINES

- Reported Structure Fire in the Automatic Aid Response District of Brentwood:
 - Dispatch the Brentwood full company assignment and any additional resources necessary from Brentwood. Additionally, dispatch one Franklin Engine with a minimum crew of 3, one Franklin Ladder with a minimum crew of 3, and 1 Chief Officer.
- Reported Structure Fire in the Automatic Aid Response District of Franklin:
 - Dispatch a Franklin full company assignment and any additional resources necessary from Franklin. Additionally, dispatch a Brentwood Engine with a crew of 3 and the on-duty Shift Commander.
 - Additional Brentwood units may be dispatched at the request of the Incident Commander.
- If either agency, due to commitments within their own jurisdiction, is unable to provide the requested aid, that information shall be relayed to the communication center of the AHJ immediately upon receiving the request.
- The automatic aid agreement is for reported structure fires only. No automatic alarms, odor investigations, etc. will be dispatched under this agreement unless actual reports of fire or smoke are received.

INCIDENT COMMAND

- The first arriving company will establish incident command utilizing the National Incident Management System (NIMS).
- If the first arriving company is *not* from the AHJ, Command shall be transferred upon arrival of the first unit from the AHJ. It is preferred that Command be transferred via face-to-face communication. However, rescue or other situations may make this impractical and radio-to-radio communication may be used to accomplish this transfer.
- The department providing aid shall supply a chief officer, shift commander, or other ranking officer to the Command Post to assist the Incident Commander with communications, accountability, or other tasks as needed. This individual may be designated as Deputy Incident Commander, may be part of a Unified Command, or may simply act as an aid to the Incident Commander.

- The incident commander is authorized to utilize all available resources as needed to achieve the tactical objectives and mitigate the incident.

FIREFIGHTER SAFETY

- Scene accountability is vitally important on the fireground. A Personnel Accountability Reporting (PAR) system will be utilized by both agencies to ensure accurate tracking of personnel at all times.
- Each organization currently utilizes a RIT team concept using the same basic guidelines. Regardless of which jurisdiction is being aided, the RIT team shall;
 - Consist of no fewer than three (3) crew members as designated by the Incident Commander.
 - Have a RIT Leader, most commonly the company officer, designated by the Incident Commander.
 - Be equipped with full PPE including SCBA and radios.
 - Maintain the Leader in radio contact with the Command Post ready for immediate deployment.
 - Stage appropriate tools near the incident scene.
 - Conduct a scene survey to identify structural conditions and access/egress points for potential rescue.
 - Be identified using functional or geographical titles if more than one RIT team is established.
- Both jurisdictions will follow two-in/two-out procedures in accordance with OSHA 1910.134.
- A Mayday procedure will be established and utilized on the fireground by both Brentwood and Franklin companies.
- When in doubt, always err on the side of citizen and firefighter safety!

OPERATIONAL QUESTIONS / CONCERNS

- Concerns or issues which may arise between departments during the exercising of this agreement should be addressed to an on-duty Brentwood Shift Commander or City of Franklin Deputy Fire Chief.
- Employees shall follow their department's established policies and guidelines at all times.
- This agreement will be reviewed on an as needed basis, as well as annually.
- Upon written authorization of the Brentwood City Manager and the Franklin City Administrator, revisions may be adopted in regard to: (a) the operational procedures described in this agreement, and (b) the geographical boundaries described in this agreement and shown on the map attached hereto.
- This agreement can be terminated by either jurisdiction upon written notice to the other party with a 30-day notice.

GEOGRAPHICAL DESCRIPTION OF A/A RESPONSE DISTRICTS

- The boundaries established by the City of Franklin Fire Department for Brentwood response include;
 - The northern most boundary of the City of Franklin, north of a line from Mack Hatcher Parkway and Cool Springs Blvd., east along McEwen Drive to Wilson Pike.
- The boundaries established by the City of Brentwood Fire Department for Franklin response include;
 - The southwestern portion of the City of Brentwood from the intersection of Franklin Road and Moores Lane, north past Old Moores Lane to a line east to Old Brooks Road to include Mooreland Estates. North on Old Brooks Road to include the "Flag Pole Farm" industrial area then east to Interstate 65. South on the east side of Interstate 65 to the northern border of Westgate Circle. Turning SE of Westgate Circle and then south to Moores Lane. East on Moores Lane to the Crockett Hills and Montclair subdivisions then south and west to the Franklin city limits to include Crockett Hills and the Nashville Golf and Athletic Club.
 - North and east of the intersection of Wilson Pike and Split Log Road to include Ravenwood High School, Kenrose Elementary School, and Crosspointe subdivision.
 - Areas identified as "high risk" to include The Heritage of Brentwood and the McGavock Farms, Princeton Hills, Brass Lantern Farm, and Windstone subdivisions.

- A map depicting the afore-described boundaries is attached hereto as “Exhibit A” and made a part of this Agreement by reference.

The foregoing amended Fire Service Automatic Aid Agreement is hereby executed by the Mayors of the City of Brentwood and the City of Franklin, having been authorized by the governing bodies of the City of Brentwood and the City of Franklin, and shall take effect on immediately.

CITY OF BRENTWOOD, TENNESSEE

CITY OF FRANKLIN, TENNESSEE

XXX, Mayor

Ken Moore, Mayor

Attest:

Attest:

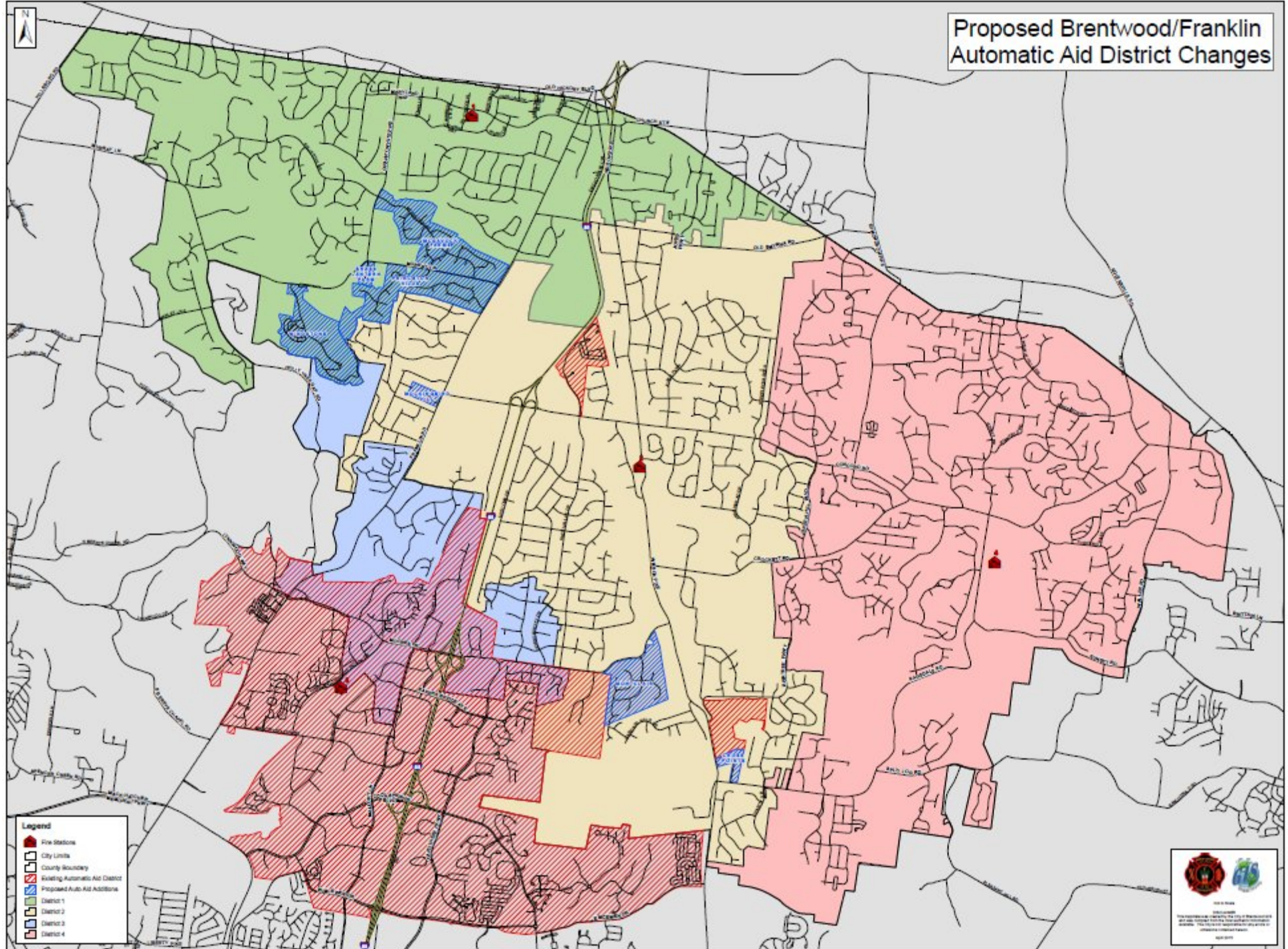
City Recorder

City Recorder

Approved as to form by:

Roger Horner
City Attorney for Brentwood

Shauna R. Billingsley
City Attorney for Franklin





INVOICE

REMIT CHECKS TO:

PO BOX 743208
ATLANTA, GA 30374-3208

****NEW REMIT TO & BANK DETAILS****

ELECTRONIC TRANSFERS TO:

Bank of America
ABA 121000358
Account 1499687277

Invoice Number: 10941596

Page: 1 of 1

Invoice Date: 22- APR- 15

Due Date: 22- MAY- 15

Bill To: 6116023

Attn: Accounts Payable
CITY OF FRANKLIN, TENNESSEE
PO BOX 305
FRANKLIN, TN 37065-0305

Ship To: 6114704

CITY OF FRANKLIN, TENNESSEE
109 3RD AVE SOUTH; SUITE 102
FRANKLIN, TN 37064

Received:

APR 27 2015

Finance

Solution ID: 6114704

Contact:

Email:

Telephone Number:

Purchase Order Number:

Sales Order Number:

Contract Number:

PSA Number: 93589

Project Number: 16724

Case Number:

Payment Terms: Net 30 Days

Currency: USD

Sales Person: Herndon, David Leon

Shipping Reference:

Ship Via:

Ship Date:

Invoice Notes:

PROJECT #16724 - CITY OF FRANKLIN, TEN
Kronos Project Manager: Shirley McGarvey 610- 948- 1212
Prof Service Invoice

SERVICE

Role/Resource	Date	Description	Taxable	Quantity	UOM	Price
Integration Consultant						
Pruthvi Shivamurthy	14- APR- 15	- Layout preparation for UNUM interface.	NO	5.00	Hour	975.00
Resource Subtotal				5.00	195.00	975.00
Subtotal				5.00	195.00	975.00

INVOICE SUMMARY

Description	Total Price
Subtotal:	975.00
Less Payment:	0.00
Shipping and Handling:	0.00
Tax:	0.00
Grand Total	975.00

ORDER FORM

Quote#: 487732 - 1
Expires: 28-MAR-2015
Prepared By: Herndon, David Leon

Order Type: Upgrade US
Date: 17-FEB-2015
Page: 1/2

Bill To: CITY OF FRANKLIN, TENNESSEE
PO BOX 305
FRANKLIN
TN 37065-0305
United States

Ship To: Attn:TRACY HARNESS
CITY OF FRANKLIN, TENNESSEE
109 3RD AVE SOUTH; SUITE 102
FRANKLIN
TN 37064
United States
Contact: Tracy yHarness
Email: tracyh@franklintn.gov

Solution ID: 6114704

Payment Terms: N30
Currency: USD
Customer PO Number:

FOB: Shipping Point
Ship Method:
Freight Term: Prepay & Add

Order Notes:

This order is subject to the Terms and Conditions of the CITY OF FRANKLIN, TENNESSEE PROCUREMENT AGREEMENT between the City of Franklin, Tennessee and Kronos Incorporated dated 12/19/2013.

Your Kronos solution includes:

SOFTWARE

Item	License/Qty	Total Price
WORKFORCE MANAGER V7	30	
WORKFORCE ADMINISTRATOR HR/PR V7	2	
WORKFORCE MANAGER HR/PR V7	30	
Total Price		\$9,408.00

*Includes applicable software media

SUPPORT SERVICES

Item	Duration	Total Price
PLATINUM SUPPORT SERVICE	1 YR	\$2,352.00
Total Price		\$2,352.00

*Support values listed above are total for all applicable products in each section of this Order Form

QUOTE SUMMARY

Description	Total Price
Subtotal	\$11,760.00
Deposit	(\$0.00)
Tax	\$0.00
Grand Total	\$11,760.00

CITY OF FRANKLIN, TENNESSEE**Kronos Incorporated**

Signature: _____

Signature: _____

Name: _____

Name: _____

Title: _____

Title: _____

Effective Date: _____

Effective Date: _____

Invoice amount will reflect deposit received. All professional services are billed as delivered with a payment term of Net Upon Receipt. Unless otherwise indicated above, this order is subject to the attached terms and conditions which the customer acknowledges have been read. THIS ORDER IS SUBJECT TO APPLICABLE TAXES. THE TAX AMOUNT SHOWN ON THIS ORDER IS ONLY AN ESTIMATE. THE ACTUAL TAX AMOUNT TO BE PAID BY CUSTOMER WILL BE SHOWN ON CUSTOMER'S INVOICE. The JBoss® Enterprise Middleware components embedded in the Software are subject to the End User License Agreement found at http://www.redhat.com/licenses/jboss_eula.html. Shipping and handling charges will be reflected on the final invoice.