

**REGULAR MEETING OF THE  
INTEROPERABILITY NETWORK OF THE SOUTH BAY  
JOINT POWERS AUTHORITY TECHNICAL COMMITTEE  
TUESDAY, MAY 8, 2018, 10:00 AM  
SOUTH BAY REGIONAL PUBLIC COMMUNICATIONS AUTHORITY  
SECOND FLOOR CONFERENCE ROOM  
4440 W. BROADWAY, HAWTHORNE, CA**

1. **CALL TO ORDER**

2. **ROLL CALL**

3. **POSTING OF THE AGENDA**

4. **CONSENT CALENDAR**

4a. Approval of Minutes –April 10, 2018

5. **ACTION ITEMS**

5a. Election of INSB Technical Committee Chairman  
and Vice Chairman

5b. Combiner Antennae

5c. Rectifier/Battery Bid

5d. Motorola Bid Re El Segundo Site

6. **REPORTS**

6a. Discuss Communication from Motorola Re: Sixth Site

7. **ORAL COMMUNICATIONS**

8. **ADJOURNMENT**

**MINUTES OF A REGULAR MEETING OF THE  
INTEROPERABILITY NETWORK OF THE SOUTH BAY**

1. **CALL TO ORDER**

The Interoperability Network of the South Bay (INSB) Technical Committee convened in a regular session at 10:05 AM on Tuesday, April 10, 2018, in the second floor conference room of the South Bay Regional Public Communications Authority, 4440 W. Broadway, Hawthorne, CA.

2. **ROLL CALL**

Present: Member Josh Armstrong, City of Hawthorne  
Member Jerry Edwards, City of Torrance  
Member Andy Harrod, City of Manhattan Beach  
Member Debra Kochheim, City of Redondo Beach  
Member Erick Lee, SBRPCA & City of Gardena  
Alternate Member Landon Phillips, City of Hermosa Beach

Absent: Member Shawn Bonfield, City of El Segundo

Also Present: Mr. Gary Blankenship, Bearcom Service Manager  
Mr. Victor Bowers, Commline  
Alternate Member Dennis Faro, City of Torrance  
Executive Director Ernest Gallo, INSB  
Alternate Member John Krok, SBRPCA & City of Gardena  
Alternate Member Robert Mendoza, City of Manhattan Beach  
Officer Matt Slawson, Torrance Police Department

3. **POSTING OF THE AGENDA**

Executive Secretary Weeks confirmed that the agenda for this meeting was posted per Brown Act requirements.

4. **CONSENT CALENDAR**

4a. **Approval of Minutes –March 13, 2018**

**MOTION:** Member Harrod moved to approve the INSB Technical Committee meeting minutes of March 13, 2018. The motion was seconded by Alternate Member Phillips and passed by unanimous voice vote, absent Member Bonfield.

5. **ACTION ITEMS**

5a. **Logging Recording for the INSB Talk Groups**

Member Edwards explained that only primary channels will be recorded; that there will be no retrieval for discovery; that the SBRPCA will record the shared channels; and that the frequencies available on the dispatch consoles will be addressed once the fire channel line up is received.

Alternate Member Krok advised that information on the availability of recordings from the SBRPCA will be provided when the configuring of the dispatch consoles is completed.

5b. **Update Re 6<sup>th</sup> Site**

INSB Executive Director Gallo presented updated information on the 6<sup>th</sup> site, including the status of Derra Design's efforts to obtain a permit and the insurance requirements.

Mr. Victor Bowers, Commline, related his understanding that Commline is waiting to hear back from Motorola about the combiner. He commented on the cost and aesthetics associated with adding a third antenna.

Member Edwards stated his intent to obtain confirmation that adding a third antenna will not affect the go-live date.

5c. **DC Power at All 6 Sites**

Member Edwards explained that adding DC power at all 6 sites is outside the scope of the project grant and, therefore, the INSB Governance Board will consider the related cost in the near future. He confirmed for Member Lee that the 6<sup>th</sup> site will go live in September 2018, even in the event that the cost of the DC power is not approved. In answer to a question from Member Harrod, Member Edwards shared information on the amount of time the generators will run if power is lost.

6. **REPORTS**

6a. Alternate Member Phillips reported that the police channel line up is ready to go.

Mr. Victor Bowers, Commline, advised that frequency sharing will be determined after both the police and fire channel line-ups have been received.

8. **ORAL COMMUNICATIONS**

8a. INSB Executive Director Gallo reminded those present of the INSB Governance Board meeting on April 17, 2018, 10:00 AM, Torrance West Annex Commission Meeting Room.

Member Lee pointed out that attendance at the INSB Governance Board meeting on April 17<sup>th</sup> could be affected by the Los Angeles County Police Chiefs' meeting next week.

Executive Director Gallo related his understanding that Alternate Members of the INSB Governance Board plan to attend the meeting on April 17<sup>th</sup>.

8b. INSB Executive Director Gallo discussed financial matters associated with the INSB.

8c. Alternate Member Krok affirmed that the SBRPCA's dispatch console integration was completed. He noted that a firewall is needed.

Member Kochheim confirmed that Redondo Beach's dispatch consoles will be configured in time to meet the September 2018 go-live date.

9. **ADJOURNMENT**

The meeting was adjourned at 10:55 AM.



April 27, 2018

**INSB South Bay P25 Project**  
El Segundo Site Improvements – Revision 2

Following provides scope and pricing for site improvements for the El Segundo Water Tank radio site requested by INSB.

**Scope Overview**

For the El Segundo Water Tank radio site, complete the following site improvement tasks –

- Design and Construct 8'x12' interior shelter inside existing building. Provide and install AC Unit
- Provide and Install 100amp Sub Panel off existing Main
- Provide and install Chem Ground System to create MGB System for Site
- Saw cut, remove asphalt, and trench approx 30' longx12" wide x 18" deep trench for conduit installation from tower leg to shelter.
- Install (2) 4" SCH80 conduits from tower leg to shelter
- Back fill and compact
- Repair asphalt to original grade

**Sub Panel**

- Install 100 amp sub panel breaker in existing main panel
- Install approx 40' 1.50" EMT conduit from main panel to determined area
- Install 100 amp sub panel in determined area
- Test and label

Labor           \$ 5,357.00  
Materials       \$ 1,898.73

**Interior Room**

- Construct 8'x12' interior room
- Shoot bottom track pressure treated in to existing floor. Seal existing CMU block wall with moisture barrier
- Erect (4) four walls 2"x4"-16" space framed with 36" door opening

- Framing will finish to height of existing T-Bar ceiling
- Insulate walls with R-Tech pressed foam insulation
- Install convenience outlets (approx 5) around room and connect to 10 amp circuit
- Install recessed, LED lighting in existing ceiling, with motion switch and connect to 10 amp circuit
- Installation of drywall on exterior walls. Tape, mud, finish, and paint
- Installation of drywall on interior walls. Tape, mud, finish, and paint
- Installation of finished plugs and switches
- Installation of 12"x12" commercial grade tile floor attached to existing concrete flooring

Labor               \$ 29,857.00

Materials         \$ 9,208.86

**Entry Port / Trapeze / Cable Tray Improvements**

- Entry port/trapeze/cable tray Installation of 4 hole entry panel
- Core Qty (4) 4" holes through CMU wall
- Install entry panel outside wall/inside wall. Attach and seal
- Install interior cable tray system Main runner length of room
- Qty (3) three cross tray supports
- Ground all tray junctions and splices
- Install grounding trapeze within 18-30" of interior entry port for antenna grounding

Labor               \$ 5,357.00

Materials         \$ 1,816.46

**HVAC Improvements**

- Installation of 12,000 BTU ductless AC unit with interior thermostat
- Installation of 20amp circuit to exterior manual disconnect
- Mount exterior air handling unit in provided space and attach
- Wire electrical, connect and test
- Install interior louver ducting and connect to exterior air handling unit
- Energize and test unit

Labor               \$ 3,500.00

Materials         \$ 2,065.82

**Installation of Chemical Grounding Rod**

- Installation of MGB/TGB and SSGB grounding systems
- Saw cut and remove approx 30' of asphalt approx. 12" wide
- Trench approx. 18" depth from tower leg to shelter entry panel
- Install (2) 4" SCH80 conduits from tower leg to entry panel location 12" above grade both ends
- Install chem rod/groundwell near building in trenched area. Lay warning foil prior to back fill for underground detection
- Backfill and compact
- Replace/Repair asphalt to existing road level. Install MGB attached to Chem rod
- Install interior SSGB and attach to Chem Rod. Attach cable tray to SSGB
- Attach trapeze to SSGB
- Attach entry panels to MGB/SSGB

Labor               \$ 20,714.00  
 Materials         \$ 9,272.15

**Assumptions**

- Above tasks are based on Site walk
- Includes design and drawings for site plan, building, electrical, and grounding
- Does not include any fees, permits, environmental, disposal, and abatement
- Any changes, adds, adjustments in scope will change price and timeline

**Pricing Summary**

INSB El Segundo Water Tank Improvements				
Description	Equipment	Services	Tax	Subtotal w/o Tax
Sub Panel	1,898.73	5,357.00	175.63	\$7,255.73
Interior Room	9,208.86	29,857.00	851.82	\$39,065.86
Entry Port / Trapeze / Cable Tray Improvements	1,816.46	5,357.00	168.02	\$7,173.46
HVAC Improvements	2,065.82	3,500.00	191.09	\$5,565.82
Installation of Chemical Grounding Rod	9,272.15	20,714.00	857.67	\$29,986.15
Project Management / Administrative		5,250.00		\$5,250.00
	<b>24,262.02</b>	<b>70,035.00</b>		<b>94,297.02</b>
			<b>Contract Credit</b>	<b>-41,644.00</b>
			<b>Tax</b>	<b>2,244.23</b>
			<b>Total</b>	<b>54,897.25</b>