CLACKAMAS C800 RADIO GROUD

BOARD OF DIRECTORS MEETING

July 17, 2019 / 10:00AM

Meeting to be held at: CCOM/Disaster Management EOC - 2200 Kaen Rd Oregon City

Call In 800-704-9804 / Access Code: 345832#

1. Call the C800 / Board of Directors meeting to Order - Chair Deputy Chief Ryan Hari

j. Clackamas County Fire District #1

2. Roll Call of Partners: (18/10)

a. City of Canby

g. City of Sandy

m. Hoodland Fire District

b. City of Gladstone

h. City of West Linn

n. Molalla Fire District

c. City of Lake Oswego i. Canby Fire District d. City of Milwaukie

o. Sandy Fire District

e. City of Molalla

k. Colton Fire District

p. Tualatin Valley Fire & Rescue q. Clackamas County Sheriff

f. City of Oregon City

I. Estacada Fire District

- r. Clackamas County Health
- 3. *Approval of Minutes of: June 19, 2019 Board Meeting
- 4. Public Comment
- 5. Communications
- 6. Financial Report June 2019 John Hartsock
- 7. Committee Reports
 - a. Executive Committee Ryan Hari
 - b. Technical Committee John Hartsock
 - c. Citizen Accountability John Hartsock Next Meeting September 17, 2019 6:30P Lake Oswego Main Fire Station 300 B Ave Lake Oswego
- 8. Old Business: (* Action Item)
 - a. System Management: John Hartsock
 - b. System Upgrade/Replacement
 - i. Project Status / Procurement Bjorn Morfin / John Hartsock
 - ii. Fire Station Alerting / Paging John Hartsock
 - iii. Portable/Mobile Radio Deployment Todd Matsuo
 - iv. Radio Templates John Hartsock
 - v. Use of Bond Premium Funds Jim Davis
- 9. New Business: (* Action Item)
 - a. * Award a Construction Contract for paving at the Damascus site.

- b. Next Board Meeting September 25, 2019 10:00A @ CCOM EOC (Note no August Meeting)
- 10. Open Agenda
- 11. Adjournment

CLACKAMAS C800 RADIO GROUP

BOARD OF DIRECTORS MEETING

Meeting Minutes of the June 19, 2019 Meeting Clackamas County Design Services Building, 150 Beavercreek Rd., Rm. 119 Oregon City, OR 97045

1. C800 Board Meeting Called to Order at 1000

2. The following were in attendance:

City of Canby / Chief Bret Smith

City of Gladstone / Chief Rick Huffman / Chief

John Schmerber / Randy Hopperstad

City of Lake Oswego / Scott Thran / Sue Scobert

City of Milwaukie / Luke Strait

City of Molalla / Chef Frank Schoenfeld

City of Oregon City / Chief Jim Band

City of Sandy / Sean Lundry

Canby Fire / Chief Jim Davis

Clackamas Fire District #1/ Deputy Chief Ryan Hari / Div Chief Mike Corless / Rachel Trotman

Estacada Fire District / Richard Anderson

Hoodland Fire District / Joe Schwab

Molalla Fire District / Chief Vince Stafford

Sandy Fire District / Chief Phil Schneider

Clackamas County Sheriff / Capt James Rhodes

Aurora Fire / Chief Joshua Williams / Greg Dyke

CCOM / Cheryl Bledsoe / Tony Collins

CC Disaster Mgmt: Jamie Poole

Clackamas County / Brian Nava / Kevin Moss

WCCCA / Ron Polluconi

C800 / John Hartsock / Bjorn Morfin

Motorola / Todd Matsuo Day Wireless / Chris Tate

3. Approval of Minutes – May 15, 2019 Board Meeting

a. Jim Davis made a motion to approve the minutes of the March 20th Board meeting as submitted and the motion was seconded by Brett Smith. A unanimous vote was cast in favor.

4. **Public Comment**: None

5. Communications:

a. John shared that in the packet, he included an email from Russ Reese, our auditor, answering to the letter that John had presented last month from the Secretary of State, advising where the state either read the audit incorrectly, or some minor changes need to be made next year.

6. Financial Report

- a. John noted that he had handed out the April report at the last meeting, but he has included it in this packet. The May financial report is also in the in packet.
- b. Tracking on budget and doing fine for closing out year.

7. Committee Reports

a. Executive Committee

i. Did not meet. Nothing to report.

b. Technical Committee-John Hartsock

- i. Met on the 29th of May and spent the bulk of the time talking about a fire station alerting plan and putting that together.
- ii. Next meeting will be on June 26th.

c. Citizen Accountability-Ryan Hari

- i. Chief Hari noted that he was not able to attend. Sue Scobert and John Hartsock were able to attend.
- **ii.** The meeting was held on June 18, 2019 at the West Linn Police station. Five members turn out for the meeting. The committee had good questions and is satisfied with the project. John shared that it is an impressive group of committed citizens.
- **iii.** Next meeting will be in September at Lake Oswego's main fire station.

8. Old Business:

a. System Management

- i. Ron noted that the project is moving through the upgrades at all existing sites. They are working through bringing the generators back online and tank monitoring. Other than that, the upgrades are going well. No substantial outages.
- ii. Ron shared that they have been experiencing unusual interference in both counties for almost three weeks. The Clackamas systems haven't been taken out. However, a couple of Washington county sites have been taken out for a few seconds at a time.
- iii. Ron noted that they have continued increased fall out in our repeaters but have adequate spares.
- iv. Ron explained that we are losing about a channel a month between the two systems but are able to replace with spares..
- v. Ron said the sysetm is holding together, but not as stable as it was a couple years ago.

b. System Upgrade/Replacement

- i. Project Status/ProcurementBjorn reviewed project status:
 - 1. Barton: Construction is complete. It is looking good.
 - 2. <u>Cooks Butte</u>: Working on land use preparation. Looking to submit for land use in late July.
 - 3. Kerr <u>Parkway</u>: Looking for other locations; have about six letters out.
 - 4. Damascus/Canby/Sandy: All construction complete.
 - 5. Wilsonville: John shared that they went ahead and followed through with the eminent domain plan. Our attorney/appraiser sent a 15-day notice and the land owner became interested and called John to talk. Last Monday, John met with the property owner. John shared that the owner felt that we could work something out. John has not called off the eminent domain/appraisal yet. John and Bjorn are working on drafting an Access Agreement and Road Maintenance Agreement. They are targeting to get this signed in early July, so they can contact the city of Wilsonville on the lease. Moving forward with the site.
 - 6. Crutcher Bench: Couple more weeks before it is construction complete.
 - 7. <u>Highland Butte</u>: Expecting to start work sometime in July. Waiting on the go ahead from BLM.
 - 8. Four Forest Service Sites: Should go into construction in a couple weeks.
 - 9. <u>Hoodland Fire</u>: Bjorn is to pick up permits for this site after this meeting and start construction in the next couple weeks or so.
 - 10. Existing sites: All are moving along nicely with upgrades.

c. Fire Station Alerting/Paging

- i. John shared that they are ready to kick off fire station alerting. In the packet, he has included an organization chart of what the organizational structure will look like. He shared that their theory is that we need someone at the top to play leader. Working to get a kick off meeting scheduled.
- ii. He needs to work with Molalla on paging. They are the last ones to get on the 900 system.

d. Portable/Mobile Radio Deployment

- i. Todd shared that they are on a new subscriber program for deployment and working through this. There are a few small Agencies that they are working on; but radios have been deployed to most fire and law Agencies. There are also some add on orders have come in that they have those on our radar.
- ii. Todd noted that they are now largely focused on starting the process of upgrading the existing fleets right now. They have finished the existing fleets at West Linn PD and Molalla PD. They are working at Sandy PD today.
- iii. Todd shared that the point of contacts for each Agency will be getting a call from Motorola if they haven't received one already.
- iv. Joe Harris has taken over Lenny's position. If you don't have Joe's information, reach out to Todd and he can get you his name and contact information. John shared that he is working with Darin at WCCCA and Darren will be coming out with him to do the training at the Agencies.
- v. Richard shared that last month, he asked about the antenna upgrades and was wondering if Todd had an update on this. Todd said that, for all the existing local radio installs, they have to install the GPS/Wi-Fi antenna. He added that they are trying to reach out to see the quantities or antennas that are needed so they can order them.

e. Radio Templates

- i. James Rhodes provided a handout to the group. He noted that last month, he shared the concerns that Detective Burlew had. The main concern was sharing tactical channels with non-law enforcement, non-fire and non-medical groups.
- ii. The handout had three attachments, template A, template B and template C. Attachment A is the current template. The request is that we adopt a template B. The main difference between A and B are primarily in zone H and A. It removes all the tactical channels. This change would only affect three zones. Attachment C is what it would look like if you removed everything law related. He believes this would be too much. He thinks that attachment/template B is a happy medium.
- iii. Detective Jeff Burlew is willing to tweak this if people see think there are things that need to be changed. James thinks this is in a good place. His recommendation would be that this board adopts template B.
- iv. Brett Smith asked if this went through the Law Services group. He would like to run it through the Law Services group before he makes a decision. It was shared that the next law meeting is the second week of July. James noted that he can make the same presentation to that group. James brought up the concern of time, making sure this decision was made before radios were issued due to the cost of re-flashing radios.
- v. Sue mentioned that none of the Lake Oswego channels are listed in his template.

- vi. John shared that they made the comment that channels A, B and C aren't changing. However, the descriptor changed, especially in the Portland talk groups. Everyone gets to name their own. The other comment they made, was that the back end of the radios was the same in all the radios. He added that he thinks this lead to everyone thinking that they were going to get the full spectrum. John doesn't think this is too far from where we are right now.
- vii. This topic will be returned at next C800 Board meeting.
- viii. It was noted that the drive for this change is for operational security.
- ix. Group discussion followed.
- x. There will be no changes to the Fire channels
- xi. John will send this handout to the group via email.

f. Use of Bond Premium Funds

- i. Jim Davis passed out a draft of the results from the survey regarding the use of the bond premium funds. He shared the goal is to get this survey wrapped up by August.
- ii. The survey was done and tallied by Survey Monkey. Jim shared that the front sheet lists each question across as far as responses go. On the front where it says, "final order", it lists the questions in order of preference from the surveys, for example: question one was number one, question four was number two. He went on to share that what he did from there, was create a "final count," where he listed the questions in numerical order, and then listed how they finished so far on preference, as to how to use the funds.
- iii. Jim shared that in August, this will go in front of C800, to approve and recommend how to use these funds.
- iv. Jim shared that these were the questions that were approved to send out, and these are the results so far.
- v. Leanna from Canby will send to an Agency, if you haven' received it. Jim stated that there is a list on front page is the missing Agencies. Send Jim a card or email with contact info if your Agency hasn't received the survey.
- vi. Jim shared that he will also send this out prior to the August meeting, so folks will have time to review it before the meeting.
- vii. It was asked about other options for using the money that came in after the survey went out. John mentioned two other options that have been discussed are: 1) new speaker mic that is also a camera. 2) Replacing 6000 series radios. Some 6,000 series radios, the earlier addition, don't have WI-FI in them and they will quit supporting them by the end of 2020. Discussion followed.

9. New Business: (*Action Item)

a. * Aurora Fire radio stipend for new radios

i. John shared that at Aurora Fire, questioned about getting a stipend for new radios they are going to order. Wondering about getting a stipend to get new radios. John shared that for the radio count done May 2016, it included mutual aid Agencies in the county. The question came up, post the bond being approved, if we could spend money on Agencies outside of the county, if they are paying a portion of the tax. John went back and looked at the mutual aid agencies of Monitor, Aurora and Silverton. Aurora has 21% of their area within the county, Monitor is 93%, and Silverton is 15/16%.

- ii. John shared that Aurora Fire came forward, because they are thinking about joining CCOM and C800.
- iii. John noted that they are still planning on doing a connection to MET CCOM via Eagle Crest site, and then onto Salem.
- iv. Joshua Williams from Aurora shared that he submitted a letter formally to CCOM, asking to become a member. He explained that the Agency that he interacts with the most for mutual aid is Canby Fire followed by TVF&R in Wilsonville. He shared that with the current radio system, there have been some major communication issues. He said that getting over to the 800 radios is quite a challenge.
- v. Joshua had inquired about the bond stipend, looking for some assistance.
- vi. Ryan Hari asked about the "per radio subscriber fee" and how that will work for the annual cost. John shared that they would have the annual costs for the radios just like any other Agency.
- vii. Jim Davis noted that when they do aid with Aurora Fire and Woodburn Fire, there are communication concerns and it becomes a safety issue. He encouraged the group to approve Chief Williams' request to become a part of C800.
- viii. Richard Anderson made a motion to authorize the C800 to provide Aurora Fire District a radio stipend of \$40,920 for the purchase of new digital radios for their operations. Randy Hopperstad seconded the motion. A unanimous vote was cast in favor.

b. * Award a Construction Contract for the Hoodland Fire/Brightwood Site

- John shared that a number of firms showed interest in bidding the Hoodland site. But only received two bids, both that have either done or are doing other work for us. Summit Construction was the lowest bid. John asked for approval to authorize a contract with them.
- ii. James Rhodes made a motion to authorize C800 to enter into a contract with Summit Construction out of Sisters, OR in the amount of \$321, 329 to construct the communication site at Hoodland-Brightwood. Mike Corless seconded the motion. A unanimous vote was cast in favor.

c. Open Agenda

- i. Brian Nava shared that Laurel Butman has resigned from the county last week. He shared that Kevin and Crystal, their Finance Director, will be taking point at this time. He said that Laurel sent a really nice letter to the executive management team, which included her personal contact information. If you are interested in getting this information, let John know, and Brian will get this over to John.
- ii. Brett Smith brought up the tower damage that occurred in Coos county. He shared this incident made him wonder about our vulnerability and security at our sites.
 - a. Ron shared that we have video security in, but this wasn't a deterrent.
 - b. Ron advised that they started moving the gates a long way away from the site. If someone is trying to vandalize or break in to steal, they want their car close by. Ron noted that this is the best deterrent they've had. Since then, there has only been one vandalizing incident. He added that theft has literally has gone to zero.
 - c. John said that in about three months, they will be bringing in a package available for a new system wide surveillance videos systen.

d. Ron shared that we do have an intrusion alarm system. Right now, these are disconnected alarm systems (alarm and video). With the new system, the alarms will be integrated.

d. Next Board Meeting

- i. Next meeting July 17, 2019 10:00 AM at CCOM/EOC.
- 10. Meeting adjourned at 10:55 AM.

RADIO PROJECT STATUS

Emergency Communication System Upgrade

C800 Project Leader: John Hartsock

WCCCA Project Leader: Ron Polluconi

C800 Project Manager: Bjorn Morfin

Date: July 17, 2019





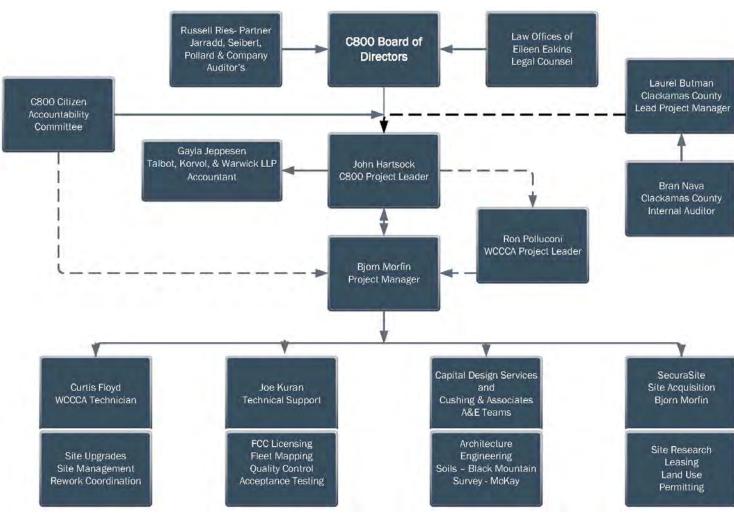
Resiliency: A Primary Objective of the Upgraded System Design

- New Facilities and Towers Designed to the Oregon Structural Specialty Code: "Essential Facilities" Risk Category IV: i.e., Essential structures in this category are used for communications across non-redundant and hardened networks such as: rescue or disaster operations, and public safety facilities. They are to withstand a magnitude 9 earthquake and continue to operate.
- Existing Facilities and Towers Upgraded to Meet the Current Essential Facilities Codes. Includes 6 tower replacements / 5 tower upgrades and 11 building foundation upgrades.
- 48V DC Power Systems Combined with Emergency Generators -Having 1,000 gal propane fuel supply to provide up to 4 weeks of back up power.
- Redundant HVAC units to maintain environmental control.





C800 Project Team







Project \$tatus New Sites Summary

- Barton: Construction complete radio / antenna / 48V battery installation complete, microwave construction underway.
- Cooks Butte: Preparing land use submittal including arborist review, sensitive lands review, NEPA, for submittal by late July after the neighborhood meeting.
- Kerr Parkway Water Tank: We are researching alternative locations.
- Damascus / Sandy / Canby: Construction / radio antenna installation / 48V battery complete / microwave installation underway.
- **Wilsonville:** Working on access agreement anticipate lease by 8/5 and submit for building permit by 8/6 construction start 9/1
- Crutcher Bench (BLM): Construction complete radio and antenna work being scheduled
- Highland Butte (BLM): Construction to begin in late July finalizing tree sale with BLM and additional NEPA work.
- Tom Dick & Harry / Memaloose / Whale Head / Oak Grove (USFS): USFS has authorized project. One building permit is available and the other three by July. Construction to begin by July 22.
- Hoodland Fire/Brightwood: Land use is approved building permit is complete. Construction to commence by July 22.

Fourteen New Sites Acquisition / Design / Construction:

CLACKAMAS SOO RADIO GROUD

Project Status Existing Sites Summary

	C800
	Brightwood / Lenhart / Mt Scott / Pete's / Polivka: Tower replacement / building foundation upgrades / 48V DC power system / new generator and 1,000 gal fuel tank / new HVAC units. Construction underway anticipate completion of all by mid August.
13 Existing Sites	Goat Mtn / Mt View / Redland Rd / Sawtell / View Acres: Tower structural upgrades / building foundation upgrades / 48V DC power system / new generator and 1,000 gal fuel tank / new HVAC units. Mt View/Redland/Sawtell/View Acres complete Goat will begin in July with an anticipated September completion
Design / Construction	Day Hill: All work complete radio/antenna/48V battery work underway
	Timberline: new generator and 1,000 gal fuel tank scheduled for September
	CCOM: New Uninterruptable Power System for Master Site Equipment / revisions to fire suppression system / new cable tray. Work complete.
MAS	

SOO DA

Project Schedule

Task Name	Duration	Start	Finish	Half 2nd Hal	2016 f 1st Half 2r 4 Qtr 1 Qtr 2 Qtr	2017 nd Half 1st I	Half 2nd Half	2018 1st Half 2	2nd Half	2019 1st Half	2nd Half	2020 1st Half
C800 Radio Systems Upgrade 6-1-2019	1038 days?	Wed 6/1/16	Fri 5/22/20	QII ZQII SQII	4 OII 1 OII 2 OII	3 QII 4 QII 1	zir z Qir siQir	4OII TOII 20	ir 3Qir 4G	zir ilQti zit	air siQir 4	OII HOII
Site Acquisition & Design & Construction	1038 days	Wed 6/1/16	Fri 5/22/20		-		ì		-	- //		
Aqusition - Land Leases / Survey / Soils / Geotech	848 days	Wed 6/1/16	Fri 8/30/19		-		1	1	-	11	-	
Site Designs, Engineering /Architecture / Land Use / Permits / Bid Award Contract	828 days	Wed 11/16/16	Fri 1/17/20			•						•
Construct New Site	818 days	Wed 4/5/17	Fri 5/22/20			14			- 1	- 11		
Upgrade Existing Communications Sites	470 days	Mon 2/5/18	Fri 11/22/19		1 1	1	I.	-	-	- 1	-	-
WCCCA/C800 Phase IV P25 System (Voice/Data/Paging)	995 days?	Mon 8/1/16	Fri 5/22/20	1	-		-			11		
WCCCA/C800 Phase IV P25 System (Voice/Data/Paging)	0 days?	Mon 8/1/16	Mon 8/1/16	i i i	•	8/1	L L L		1.	11 11 11		1
P25 LMR System and Subscribers	995 days	Mon 8/1/16	Fri 5/22/20		-	-		+ +		11		
Upgrade or Replace P25 Subscriber Radios	605 days	Mon 7/3/17	Fri 10/25/19						- 1	- 11	•	-
Upgrade P25 LMR Infrastructure	895 days	Mon 8/1/16	Fri 1/3/20		-	-		1 1	- 1	11		
New/upgraded alarms, security, telemetry, site management systems, procurment	320 days	Tue 1/1/19	Mon 3/23/20	1 1 1 1				1 1 1 1 1 1 1 1	+	11		
Upgrade or Replace P25 IV&D Radio/Dispatch Consoles	850 days	Mon 8/1/16	Fri 11/1/19	I. I. I.	-	- 1	1	1 1 1 1 1 1	i	11	_	
Recording/Logging equipment upgrade/replacement	240 days	Tue 2/5/19	Mon 1/6/20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1			11		
Backup Dispatch (Wide and Control Station modes)	300 days	Mon 11/5/18	Fri 12/27/19	1 1 1 1) 		-	11 11 11		
Site on Wheels (wide and ST modes)	300 days	Mon 11/5/18	Fri 12/27/19	1		1	1 1 1 1	-1 1 -1 1 -1 1 -1 1	-	11		
Microwave Backhaul Systems	555 days	Mon 11/6/17	Fri 12/20/19			1	-	i i	i.	11		
New/Upgrade 48 VDC and Battery Backup Systems	255 days	Mon 9/24/18	Fri 9/13/19	1		1	l L	1 1	-	11	_	

Project Schedule

sk Name	Duration	Start	Finish			2016		2017	2018		2019		2020
					nd Half	1st Half	2nd Half 2 Otr 3 Otr 4	1st Half	1st Half		1st Half	2nd Half Otr 3 Otr 4	1st Half
Paging, Messaging Systems upgrade/replacement	540 days	Mon 2/5/18	Fri 2/28/20						-	S. H. V/S. H. S			7
IP based Fire Station Alerting System	440 days	Mon 6/4/18	Fri 2/7/20										
Video and Security systems	195 days	Mon 6/17/19	Fri 3/13/20										•
Interoperable RF Systems and Links	515 days	Mon 6/4/18	Fri 5/22/20	,									-
System Operational May 22, 2020	0 days	Fri 5/22/20	Fri 5/22/20										1

- New Site Design & Construction complete: December 2019
- Existing Sites Upgrade complete: August 2019
- System Operational Date: May 2020





C800 Radio System Upgrade Budget (1)

Project: C800 Radio System Upgrade
Date Original: 10/1/2015 Date Updated: May 31, 2019

Project Manager: Bjorn Morfin

ltem	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Percent Complete	Estimated Total	(Over) Under Budget	Expended
Soft Cost								
Site Acquisition Consulting - Quest	60,000	25,000	45,000	(2,930)	100.00%	67,070	(7,070)	67,069.81
Site Acquisition Consulting / Permits - Securasite	320,000	321,250	121,300	0	87.21%	442,550	(122,550)	385,943.64
Site Planning A&E - Cushing/Capital/Cundiff/Forensic/KPFF/S DC/ToddHess	725,000	651,781	468,930	(295,500)	95.25%	825,211	(100,211)	785,974.45
Geotechnical / Environmental Consulting · Black Mtn	250,000	443,670	0	25,000	97.92%	468,670	(218,670)	458,934.17
Survey - McKay	75,000	124,240	0	0	68.48%	124,240	(49,240)	85,080.00
USFS Land Use Fees	15,000	10,000	41,000	2,500	62.32%	53,500	(38,500)	33,338.70
Land Use Fees	25,000	9,400	0	15,000	38.27%	24,400	600	9,339.00
Plan Check / Permit Cost	60,000	10,000	0	30,000	23.81%	40,000	20,000	9,525.20
Printing	2,500	84		2,500	0.00%	2,500	0	0.00
Bid Advertising	3,500	850	0	1,000	57.39%	1,850	1,650	1,061.65
Materials Testing & Inspection	40,000	2,700	0	15,000	14.82%	17,700	22,300	2,623.75
Project Management	300,000	80,000	245,200	0	80.15%	325,200	(25,200)	260,651.13
Legal Fees	30,000	15,000	0	8,000	55.60%	23,000	7,000	12,787.60
Licensing	20,000	69,000		5,000	93.10%	74,000	(54,000)	68,890.50
Miscellaneous	30,000	88,000	70,000	4,000	55.79%	162,000	(132,000)	90,381.88
Sub-Total Soft Cost	1,956,000	1,850,891	991,430	(190,430)	85.66%	2,651,891	(695,891)	2,271,601
Construction Cost								
Site Construction	8,895,000	5,870,634	0	3,545,000	39.49%	9,415,634	(520,634)	3,718,088.78
Buildings	1,350,000	2,018,663	0	40,000	86.46%	2,058,663	(708,663)	1,780,009.60
Towers	660,000	1,383,357	0	90,000	61.02%	1,473,357	(813,357)	899,038.14
Generator	500,000	513,196	0	35,000	72.31%	548,196	(48,196)	396,420.21
48VDC	1,065,000	1,443,767	0	15,000	24.75%	1,458,767	(393,767)	361,024.82
Lake Oswego Antenna	18,000	17,500	0	0	100.07%	17,500	500	17,511.75
Sub-Total Construction Cost	12,488,000	11,247,117	0	3,725,000	47.90%	14,972,117	(2,484,117)	7,172,093.30

C800 Radio System Upgrade Budget (2)

Project: C800 Radio System Upgrade
Date Original: 10/1/2015 Date Updated: May 31, 2019

Project Manager: Bjorn Morfin

ltem	Budget	Original Encumbrance	Additional Encumbrance / Change Order	Estimate to Complete	Percent Complete	Estimated Total	(Over) Under Budget	Expended
Equipment Costs								
Simulcast Equipment	20,726,000	\$19,592,515		200,000	72.08%	19,792,515	933,485	14,265,838.02
Paging	373,000	7,523		365,000	5.96%	372,523	477	22,208.31
Subscriber Radios	5,000,000	6,303,129		500,000	49.21%	6,803,129	(1,803,129)	3,347,748.70
Asset Management	119,000			119,000	0.00%	119,000	0	0.00
Post Warranty / System Refresh	5,800,000	5,812,058		0	100.00%	5,812,058	(12,058)	5,812,058.44
Test Equipment	100,000			100,000	0.00%	100,000	0	0.00
Microwa∨e	3,368,000	0	2,349,951	250,000	95.17%	2,599,951	768,049	2,474,410.91
Security System	1,364,000			500,000	0.22%	500,000	864,000	1,079.96
Fire Station Alerting	0			1,470,000		1,470,000	(1,470,000)	
Subtotal Equipment Costs	36,850,000	31,715,226	2,349,951	3,504,000	69.00%	37,569,177	(719,177)	25,923,344
Bond Cost	300,000	290,372		0	111.43%	290,372	9,628	323,547
Subtotal Project Cost	51,594,000	45,103,605	3,341,381	7,038,570	64.33%	55,483,556	(3,889,556)	35,690,587
Additional Proceeds	4,875,000					(4,875,000)	4,875,000	
Adjusted Project Costs	56,469,000	45,103,605	3,341,381	7,038,570	64.33%	50,608,556	985,444	
Contingency	7,406,000			7,406,000	0.00%	7,406,000	0	
Total Project Cost	63,875,000	45,103,605	3,341,381	14,444,570	61.52%	58,014,556	985,444	35,690,586.55

Bond Proceeds	5,845,000	Taxable
	53,155,000	Non Taxable
	59,000,000	
Additional Proceeds	2,200,000	Subscriber Radio Payments
	2,675,000	PGE Payment
	4,875,000	
Total Proceeds	63,875,000	

Premium Bond Proceeds 7,165,794

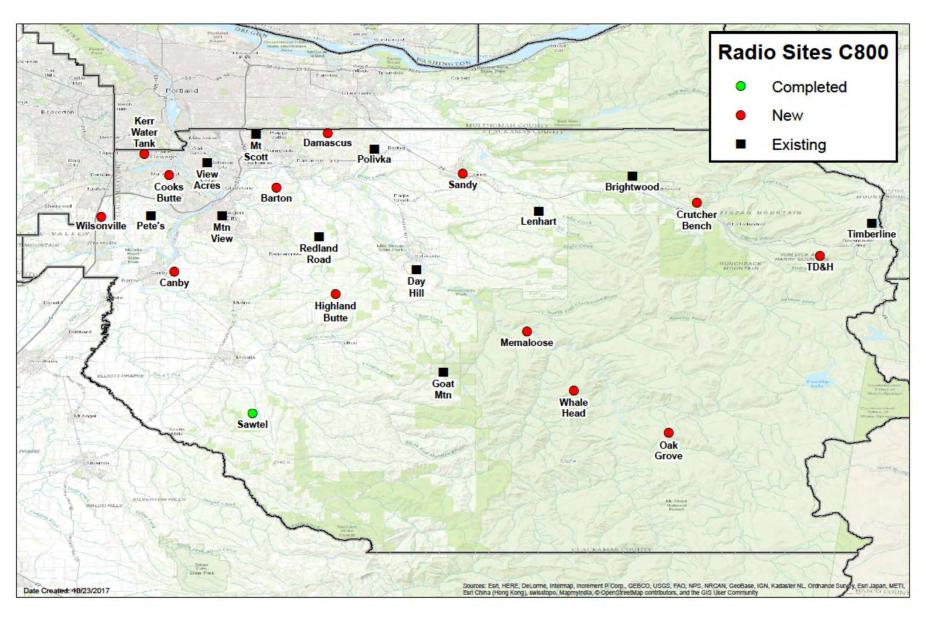
Q3 - 2019 Quarterly Outlook

	C800
Procurement	 Bid and award asset management system Bid and award security/CCTV system
Leases & Land Use Applications	 Complete Cooks land use and submit for building permits Submit Wilsonville site for building permits
Existing Site & Building Upgrades	 Continue to construct civil work relating to shelter/generator foundation upgrades, doors, electrical, and related site compound renovations. Construct tower upgrades at existing sites
Radio / Microwave	 Continue radio infrastructure install Begin microwave system install Finalize subscriber radio distribution and existing radio upgrades





C800 Site Locations



6/18/2019

Project Summary:

To create an efficient, dependable public safety radio communications system that works in all parts of Clackamas County!

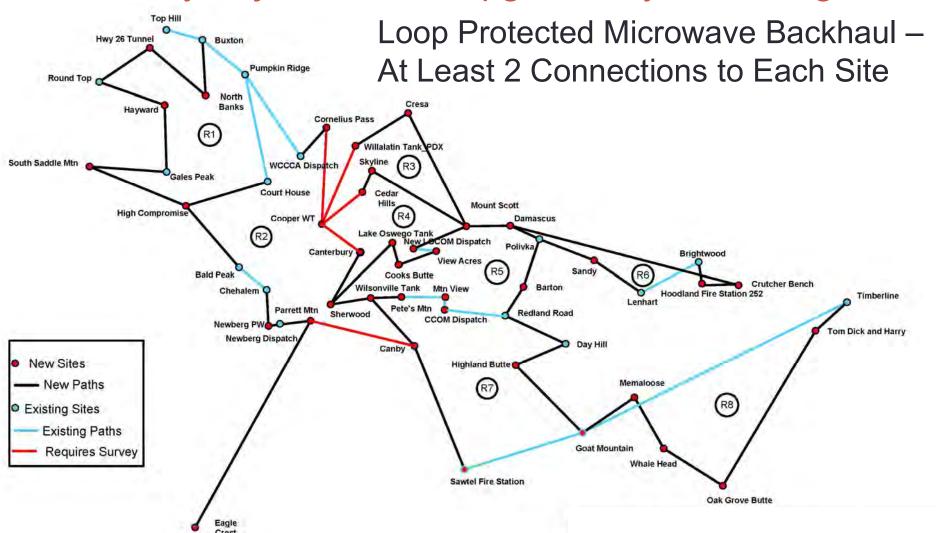
What's Happening With the Communications Upgrade Project?





Resiliency:

A Primary Objective of the Upgraded System Design



7/172019

















PH1 7/17/2018 16









Pete's Mountain





11300 SE Fuller Rd Milwaukie, Oregon 97222 (503) 780-4806 C800.0RG

Board of Directors Action Request

To: C800 Board of Directors

From: John Hartsock, Manager

Date: July 17, 2019

Re: Approval of Law Enforcement Radio Template

REQUEST: It is hereby requested that the C800 Board of Directors approve the attached law enforcement radio template dated July 9, 2019

DESCRIPTION: Clackamas County Sheriff's office personnel, Detective Jeff Burlew and Captain James Rhodes have developed a proposal for the appropriate use of Law enforcement talkgroups. This was presented at the June 19, 2019 C800 Board Meeting. After review and discussion they were asked to present the template to the CCOM Law Services committee for input and approval. Detective Burlew presented this to the CCOM Law Services committee on July 9, 2019 and received unanimous support.

RECOMMENDATION: It is hereby recommended that the C800 Board of Directors approve the attached law enforcement radio template dated July 9, 2019.

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Clackamas County Sheriff's Office

CRAIG ROBERTS, Sheriff

July 9, 2019

To: CCOM Law Services

From: James Rhodes, Captain, CCSO

Care of – Jeff Burlew, Detective, CCSO

RE: Radio Templates with limited law enforcement access for non-LEA groups

Request:

It is requested the CCOM Law Services group make a recommendation for the adoption of limited access radio templates for radios issued to non-LEA/non-Fire/non-medical groups.

Discussion:

Attachment A is the current Radio Template as issued by C-800 to all LEA, Fire and Medical groups. Template B is intended for non-LEA/non-Fire/non-medical groups that have a quasi/para LEA association. Those include, but are not limited to, Clackamas County Animal (Dog) control, Code Enforcement (Happy Valley Code Enforcement), and Clackamas County Weighmasters. The proposed Template C is intended for non-LEA/non-Fire/non-medical group that have no quasi/para LEA needs. Those include but are not limited to Public Works, Public Health, and Public Transportation as well as any private entities sharing the system.

Attachments:

- **A** Current full LEA template (abbreviated)
- **B** Proposed template for limited LEA access
- C Proposed template for NO LEA access

Recommendation:

It is recommended the CCOM Law Services group vote to support and endorse these radio templates; and further to make a recommendation for the C800 Board of Directors to adopt the recommended limited LEA access radio templates as attached and detailed above.



CC ME/DA APX 6000 Template * POST CUTOVER (activated pushing the MS1 button for 1/4 second)

TOP ZONE NAME	*ZONE A*		*ZONE B*		*ZONE C*	
ZONE NAME	*ZONE A*		*ZONE B*		*ZONE C*	
	FRONT CH NAME	TOP CH	FRONT CH NAME	TOP CH	FRONT CH NAME	TOP CH
1	CC DISP 1*	CC DISP1	SE DISP*	SE DISP	CC COURT*	CCCOURT
2	CC DISP 2*	CC DISP1	SE T2*	SE T2	MCSO*	MCSO
3	CC DISP 3*	CC DISP3	EA DP*	EA DP	MCSO T1 x*	MCSO T1x
4	CC SERV*	CC SERV	EA T2*	EA T2	WCSO1*	WCSO1
5	CC TAC 1*	CC TAC 1	NE DP*	NE DP	WCSO TAC 1*	WCSOTAC1
6	CC TAC 2*	CC TAC 2	NE T2*	NE T2	SC1*	SC1
7	CC TAC 3*	CC TAC 3	CE DP*	CE DP	SOUTHTAC*	SOUTHTAC
8	OSP PTLD*	OSP PTLD	CE T2*	CE T2	WEST TAC*	WEST TAC
9	OSP I-5S*	OSP I-5S	NO DP*	NO DP	BV1*	BV1
10	OSP I-84*	OSP I-84	NO T2*	NO T2	BV TAC 1*	BV TAC 1
11	LOPD DP1*	LOPD DP1	RRT X*	RRT X	USCG*	USCG
12	MILW DP*	MILW DP	SHE 1*	SHE 1	MCSO MAR*	MCSO MAR
13	MILW TAC 2*	MILWTAC2	GPD SWT1*	GPD SWT1	CC MARINE*	CC MAR
14	CCSO DESK*	CCSODESK	TNT*	TNT		MCSO SAR
15	CC JAIL*	CC JAIL	CCSO SWAT*	CCSOSWAT	WCSO SAR*	WC SAR
16	SIMPLEX1*	SIMPLEX1	OROPS5 *	OROPS5	CCSO SAR*	CCSO SAR
17	TEST WCCCA3*	WCCCA3		•		
18	TEST ENCR3x*	ENCR3x				
19	SIMPLEX8*	SIMPLEX8				
00	OILADI EVO *	011.101.10				

ZONE G		*ZONE H*			*ZONE I*		
G-*CLACK FIRE*		H-*CLACK LAW*			I-*CLACK MISC*		
FRONT CH NAME	TOP CH	FRONT CH NAME	TOP CH		FRONT CH NAME	TOP CH	
CCOM DISP*	CCOM	CC DISP 1*	CC DISP1		CLACK A*	CLACK A	ı
LOCOM*	LOCOM	CC DISP 2*	CC DISP2		CLACK B*	CLACK B	
OPS 22*	OPS 22	CC DISP 3*	CC DISP3		CLACK C*	CLACK C	
OPS 23*	OPS 23	CC LAW 1*	CK LAW 1		CLACK D*	CLACK D	
OPS 24*	OPS 24	CC LAW 2*	CK LAW 2		BRNGWTR1*	BRNGWTR1	
OPS 25*	OPS 25	CC SERV*	CC SERV		CAPW*	CAPW	
OPS 26*	OPS 26	LOPD DP1*	LOPD DP1		CC EOC*	CC EOC	
OPS 27*	OPS 27	LOPD DP2*	LOPD DP2		CCROAD1*	CCROAD1	
OPS 28*	OPS 28	MILW DP*	MILW DP		CR WATER DP*	CRW DP	
		MILW TAC 1*	MILWTAC1		DAMASC PW*	DAMAS PW	
		CC TAC 1*	CC TAC 1		GLAD PW*	GLAD PW	
		CC TAC 2*	CC TAC 2		HVPW*	HVPW	
		CC TAC 3*	CC TAC 3		LO EOC*	LO EOC	
		CCSO SAR*	CCSO SAR		LO PW1*	LO PW1	
		CC MARINE*	CC MAR		MILW PW1*	MILW PW1	
		CC JAIL*	CC JAIL		MOLPW*	MOLPW	
		CAPD CITY*	CAPDCITY		OC EOC*	OC EOC	
		CAPD DET*	CAPD DET		OCPW*	OCPW	ĺ
		CC COURT*	CCCOURT		SANDY PW1*	SAN PW1	ĺ
	L	CC LE TRNG*	CCLETRN		SUNRISE1*	SUNRISE1	ı
		CC WEIGHMSTR*	CCWEIGH		WLINN PW1*	WL PW1	ĺ
	L	CCSO 10*	CCSO 10		WLINN EOC*	WLINNEOC	ı
				l			ı

CCSODESK

CCSO DET

CCSOSWAT

CC DOG

LOPD T1

LOPD T2

MILW P2

LOPD DET

MILW DET

MILWTAC2

MOPDCITY

OCPDCITY

OCPD DET

SNDYCITY

SNDY DET

WLINN DET

PSAP

GLPDCITY

LAKECORP

WV BUS1*

WV PW1* WV SEWER1*

WV BUS1

WV PW1

WVSEWER1

CCSO DESK*

CCSO DET*

CCSO SWAT*

CLACK DOG*

GLPD CITY*

LAKE CORP*

LOPD T1*

LOPD T2*

LOPD DET*

MILW DET*

MILW TAC 2*

MOPD CITY*

OCPD CITY*

OCPD DET*

SNDY CITY*

SNDY DET*

WLINN DET*

PSAP*

MILW P2*

Wccca talkgroup -digital system

Clackamas/Lake Oswego talkgroup digital system

SIMPLEX9x*

SIMPLX9x

Newberg talkgroup digital system
Portland digital talkgroup

VHF

Backup repeaters CLARK COUNTY digital talkgroup

N-C-N 800 digital test only (LIMITED COVERAGE)

20

700 Interop

* asterisk indicates you are in the post cutover zones.

В

		, •	•	,	(6000 Template on for 1/4 secon				DISAB	LED		
							ZONE G		*ZONE H*		*ZONE I*	
TOP ZONE NAME	*ZONE A*		*ZONE B*		*ZONE C*		G-*CLACK FIRE*		H-*CLACK LAW*		I-*CLACK MISC*	
ZONE NAME	*ZONE A*		*ZONE B*		*ZONE C*		FRONT CH NAME	TOP CH	FRONT CH NAME	TOP CH	FRONT CH NAME	TOP CH
	FRONT CH NAME	TOP CH	FRONT CH NAME	TOP CH	FRONT CH NAME	TOP CH	CCOM DISP*	CCOM	CC DISP 1*	CC DISP1	CLACK A*	CLACK A
1	CC DISP 1*	CC DISP1	CC DISP 1*	CC DISP1	CLACK A*	CLACK A		LOCOM	CC DISP 2*	CC DISP2	CLACK B*	CLACK B
	CC DISP 2*	CC DISP1	SPARE*	SPARE	CLACK B*	CLACK B	OPS 22*	OPS 22	CC DISP 3*	CC DISP3	CLACK C*	CLACK C
	CC DISP 3*	CC DISP3	SPARE*	SPARE	CLACK C*	CLACK C	OPS 23*	OPS 23	CC LAW 1*	CK LAW 1	CLACK D*	CLACK D
	CC SERV*	CC SERV	SPARE*	SPARE	CLACK D*	CLACK D		OPS 24	CC LAW 2*	CK LAW 2	BRNGWTR1*	BRNGWTR1
	CC TAC 3*	CC TAC 3	SPARE*	SPARE	CLARKA*	CLARKA	OPS 25*	OPS 25	CC SERV*	CC SERV	CAPW*	CAPW
	CC DOG*	CC DOG	SPARE*	SPARE	CLARKB*	CLARKB	OPS 26*	OPS 26	LOPD DP1*	LOPD DP1	CC EOC*	CC EOC
7	MU ANIMAL*	MU ANIML	SPARE*	SPARE	CLARKC*	CLARKC	OPS 27*	OPS 27	LOPD DP2*	LOPD DP2	CCROAD1*	CCROAD1
8	CLRK AN-1*	CLRK A1	SPARE*	SPARE	MULT A*	MULT A	OPS 28*	OPS 28	MILW DP*	MILW DP	CR WATER DP*	CRW DP
9	CC WEIGHMSTR*		SPARE*	SPARE	MULT B*	MULT B			MILW TAC 1*	MILWTAC1	DAMASC PW*	DAMAS PW
10	ODOT*	ODOT	SPARE*	SPARE	MULT C*	MULT C			CC TAC 1*	CC TAC 1	GLAD PW*	GLAD PW
11	CCROAD1*	CCROAD1	SPARE*	SPARE	MULT D*	MULT D			CC TAC 2*	CC TAC 2	HVPW*	HVPW
	CCROAD2	CCROAD2	SPARE*	SPARE	WASH A*	WASH A			CC TAC 3*	CC TAC 3	LO EOC*	LO EOC
13	SPARE*	SPARE	SPARE*	SPARE	WASH B*	WASH B			CCSO SAR*	CCSO SAR	LO PW1*	LO PW1
14	SIMPLEX3*	SIMPLEX3	SPARE*	SPARE	WASH C*	WASH C			CC MARINE*	CC MAR	MILW PW1*	MILW PW1
15	SIMPLEX4*	SIMPLEX4	SPARE*	SPARE	WASH D*	WASH D			CC JAIL*	CC JAIL	MOLPW*	MOLPW
16	CC DISP 1	CC DISP1	CC DISP 1	CC DISP1	CC EOC*	CC EOC			CAPD CITY*	CAPDCITY	OC EOC*	OC EOC
17	TEST WCCCA3*	WCCCA3							CAPD DET*	CAPD DET	OCPW*	OCPW
18	TEST ENCR3x*	ENCR3x							CC COURT*	CCCOURT	SANDY PW1*	SAN PW1
19	SIMPLEX8*	CIMADLE VO							CC LE TRNG*	COLETEN		
		SIMPLEX8								CCLETRN	SUNRISE1*	SUNRISE1
	SIMPLEX9x*	SIMPLEX8							CC WEIGHMSTR*		SUNRISE1* WLINN PW1*	WL PW1
20		SIMPLX9x	d here						CC WEIGHMSTR*	CCWEIGH	WLINN PW1*	WL PW1
20	SIMPLEX9x*	SIMPLX9x	d here						CC WEIGHMSTR* CCSO 10* CCSO DESK*	CCWEIGH CCSO 10 CCSODESK	WLINN PW1* WLINN EOC* WV BUS1*	WL PW1 WLINNEOC WV BUS1
20	SIMPLEX9x*	SIMPLX9x	d here						CC WEIGHMSTR* CCSO 10* CCSO DESK* CCSO DET*	CCSODESK CCSODET	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
²⁰ SPOC siç	SIMPLEX9x* gnature and da	SIMPLX9x	d here						CCWEIGHMSTR* CCSO 10* CCSO DESK* CCSO DET* CCSO ITF*	CCSODESK CCSODET CCSO DET CCSO ITF	WLINN PW1* WLINN EOC* WV BUS1*	WL PW1 WLINNEOC WV BUS1 WV PW1
20 SPOC sig	SIMPLEX9x* gnature and da p -digital system	ate require	d here						CC-WEIGHMSTR* CCSO-DESK* CCSO-DET* CCSO-DET* CCSO-DET* CCSO-SWAT*	CCSO 10 CCSODESK CCSO DET CCSO ITF CCSOSWAT	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
20 SPOC sig	gnature and da p -digital system e Oswego talkgroup di	ate require	d here				These Clackamas z	ones are here to	CCWEIGHMSTR* CCSO DESK* CCSO DET* CCSO ITF* CCSO SWAT* CLACK DOG*	CCSODESK CCSODET CCSOUTF CCSOSWAT CCDOG	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
20 SPOC sig	SIMPLEX9x* gnature and da p-digital system e Oswego talkgroup digital system oup digital system	ate require	d here				These Clackamas z Delete any desired t		CC WEIGHMSTR* CCSO 10* CCSO DESK* CCSO DET* CCSO ITF* CCSO SWAT* CLACK DOG* GLPD CITY*	CCWEIGH CCSO 10 CCSODESK CCSO DET CCSO ITF CCSOSWAT CC DOG GLPDCITY	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
20 SPOC sig	SIMPLEX9x* gnature and da p-digital system e Oswego talkgroup digital system oup digital system	ate require	d here				These Clackamas z Delete any desired t		CC-WEIGHMSTR* CCSO-10* CCSO-DESK* CCSO-DET* CCSO-ITF* CCSO-SWAT* CLACK-DOG* OGLPD-CITY* LAKE-CORP*	CCWEIGH CCSO 10 CCSODESK CCSO DET CCSO ITF CCSOSWAT CC DOG GLPDCITY LAKECORP	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
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20 SPOC sig	gnature and da	ate require	d here				Delete any desired to ould be empty, just like Z	alk groups from	CC-WEIGHMSTR* CCSO-DESK* CCSO-DET* CCSO-DET* CCSO-SWAT* CLACK-DOG* GLPD-CITY* LAKE-CORP* LOPD-T1* LOPD-T2*	CCWEIGH CCSO 10 CCSODESK CCSO DET CCSO ITF CCSOSWAT CC DOG GLPDCITY LAKECORP LOPD T1 LOPD T2	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
20 SPOC sig	gnature and da p-digital system e Oswego talkgroup di oup digital system talkgroup	ate require	d here				Delete any desired to ould be empty, just like Z	alk groups from	CCWEIGHMSTR* CCSO 10* CCSO DESK* CCSO DET* CCSO ITF* CCSO SWAT* CLACK DOG* CLACK CORP* LOPD T1* LOPD T2* LOPD DET* MILW DET* MILW DET* MILW P2*	CCWEIGH CCSO 10 CCSODESK CCSODET CCSO 1TF CCSOSWAT CC DOG GLPDCITY LAKECORP LOPD T1 LOPD T2 LOPD DET MILW DET	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1
20 SPOC sig	gnature and da p -digital system e Oswego talkgroup di oup digital system talkgroup ers digital talkgroup tal test only (LIMITED	ate require	d here				Delete any desired to ould be empty, just like Z	alk groups from	CC-WEIGHMSTR* CCSO-10* CCSO-DESK* CCSO-DET* CCSO-HTF* CCSO-SWAT* CLACK DOG* DGLPD-CITY* 1LAKE-CORP* LOPD-T1* 2LOPD-T2* LOPD-DET* MILW DET*	CCWEIGH CCSO 10 CCSODESK CCSO DET CCSO ITF CCSOSWAT CC-DOG GLPDCITY LAKECORP LOPD-T1 LOPD T2 LOPD DET MILW DET MILW P2	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
20 SPOC sig Wccca talkgrou Clackamas/Lak Vewberg talkgr Portland digital 800 interop //HF JHF Backup repeate LLARK COUNTY N-C-N 800 digital	gnature and da p -digital system e Oswego talkgroup di oup digital system talkgroup ers digital talkgroup tal test only (LIMITED	ate require	d here				Delete any desired to ould be empty, just like Z	alk groups from	CC WEIGHMSTR* CCSO DESK* CCSO DET* CCSO HTF* CCSO SWAT* CLACK DOG* GLACK CORP* LOPD T1* LOPD T2* LOPD T2* MILW DET* MILW DET* MILW P2* MILW TAC 2*	CCWEIGH CCSO 10 CCSODESK CCSO DET CCSO ITF CCSOSWAT CC DOG GLPDCITY LAKECORP LOPD T1 LOPD-T2 LOPD DET MILW DET MILW P2 MILWTAC2	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
20 SPOC sig Wccca talkgrou Clackamas/Lak Newberg talkgr Portland digital 300 Interop HF Backup repeate CLARK COUNTY W-C-N 800 digit ALEM 800 ana	gnature and da p-digital system e Oswego talkgroup di roup digital system talkgroup ers digital talkgroup tal test only (LIMITED	ate require gital system COVERAGE)					Delete any desired to ould be empty, just like Z	alk groups from	CC-WEIGHMSTR* CCSO-10* CCSO-DESK* CCSO-DET* CCSO-ITF* CCSO-ITF* CCSO-SWAT* CLACK-DOG* GLPD-CITY* LAKE-CORP* LOPD-T1* LOPD-DET* MILW-DET* MILW-P2* MILW-P2* MILW-TAG-2* MOPD-CITY*	CCWEIGH CCSO 10 CCSODESK CCSO DET CCSO HTF CCSOSWAT CC DOG GLPDCHTY LAKECORP LOPD T1 LOPD T2 LOPD DET MILW DET MILW DET MILW P2 MILWTAC2 MOPDCHY	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
20 SPOC sig Wccca talkgrou Clackamas/Lak Newberg talkgr Portland digital 300 Interop HF Backup repeate CLARK COUNTY W-C-N 800 digit ALEM 800 ana	gnature and da p -digital system e Oswego talkgroup di oup digital system talkgroup ers digital talkgroup tal test only (LIMITED	ate require gital system COVERAGE)					Delete any desired to ould be empty, just like Z	alk groups from	CC-WEIGHMSTR* CCSO-10* CCSO-DESK* CCSO-DET* CCSO-ITF* CCSO-SWAT* CLACK DOG* OGLPD-CITY* LAKE-CORP* LOPD-T1* LOPD-T2* LOPD-DET* MILW-DET* MILW-P2* MILW-P2* MOPD-CITY* OCPD-CITY*	CCWEIGH CCSO 10 CCSODESK CCSODET CCSO.ITF CCSOSWAT CC DOG GLPDCITY LAKECORP LOPD T1 LOPD T2 LOPD DET MILW DET MILW DET MILW TAG2 MOPDCITY OCPDCITY	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
20 SPOC sig	gnature and da p-digital system e Oswego talkgroup di roup digital system talkgroup ers digital talkgroup tal test only (LIMITED	ate require gital system COVERAGE)					Delete any desired to ould be empty, just like Z	alk groups from	CCWEIGHMSTR* CCSO 10* CCSO DESK* CCSO DET* CCSO SWAT* CCSO SWAT* CLACK DOG* GLPD CITY* LOPD T1* aLOPD T2* LOPD DET* MILW P2* MILW P2* MILW TAC 2* MOPD CITY* OCPD DET* OCPD DET*	CCWEIGH CCSO 10 CCSODESK CCSO DET CCSO ITF CCSOSWAT CC DOG GLPDCITY LAKECORP LOPD T1 LOPD T2 LOPD DET MILW DET MILW P2 MILWTAC2 MOPDCITY OCPDCITY OCPD DET	WLINN PW1* WLINN EOC* WV BUS1* WV PW1*	WL PW1 WLINNEOC WV BUS1 WV PW1
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C

	CC NON-LE		00 Template * P		OVER (activated and)	pushing	DISABI	LED	DISAB	LED		_
							ZONE G		*ZONE H*		*ZONE I*	
OP ZONE NAME	*ZONE A*		*ZONE B*		*ZONE C*		G-*CLACK FIRE*		H-*CLACK LAW*		I-*CLACK MISC*	
ZONE NAME	*ZONE A*		*ZONE B*		*ZONE C*		FRONT CH NAME	TOP CH	FRONT CH NAME	TOP CH	FRONT CH NAME	TOP C
	FRONT CH NAME	TOP CH	FRONT CH NAME	TOP CH	FRONT CH NAME	TOP CH	CCOM DISP*	CCOM	CC DISP 1*	CC DISP1	CLACK A*	CLACK A
	CLACK A*	CLACK A	SPARE*	SPARE	SPARE*	SPARE	LOCOM*	LOCOM	CC DISP 2*	CC DISP2	CLACK B*	CLACK
	CLACK B*	CLACK B	SPARE*	SPARE	SPARE*	SPARE	OPS 22*	OPS 22	CC DISP 3*	CC DISP3	CLACK C*	CLACK
	CLACK C*	CLACK C	SPARE*	SPARE	SPARE*	SPARE	OPS 23*	OPS 23	CC LAW 1*	CK LAW 1	CLACK D*	CLACK
	CLACK D*	CLACK D	SPARE*	SPARE	SPARE*	SPARE	OPS 24*	OPS 24	CC LAW 2*	CK LAW 2	BRNGWTR1*	BRNGW
	CLARKA*	CLARKA	SPARE*	SPARE	SPARE*	SPARE	OPS 25*	OPS 25	CC SERV*	CC SERV	CAPW*	CAPW
6	CLARKB*	CLARKB	SPARE*	SPARE	SPARE*	SPARE	OPS 26*	OPS 26	LOPD DP1*	LOPD DP1	CC EOC*	CC EOC
7	CLARKC*	CLARKC	SPARE*	SPARE	SPARE*	SPARE	OPS 27*	OPS 27	LOPD DP2*	LOPD DP2	CCROAD1*	CCROA
8	MULT A*	MULT A	SPARE*	SPARE	SPARE*	SPARE	OPS 28*	OPS 28	MILW DP*	MILW DP	CR WATER DP*	CRW D
9	MULT B*	MULT B	SPARE*	SPARE	SPARE*	SPARE			MILW TAC 1*	MILWTAC1	DAMASC PW*	DAMAS
10	MULT C*	MULT C	SPARE*	SPARE	SPARE*	SPARE			CC TAC 1*	CC TAC 1	GLAD PW*	GLAD P
11	MULT D*	MULT D	SPARE*	SPARE	SPARE*	SPARE			CC TAC 2*	CC TAC 2	HVPW*	HVPW
12	WASH A*	WASH A	SPARE*	SPARE	SPARE*	SPARE			CC TAC 3*	CC TAC 3	LO EOC*	LO EOC
13	WASH B*	WASH B	SPARE*	SPARE	SPARE*	SPARE			CCSO SAR*	CCSO SAR	LO PW1*	LO PW1
14	WASH C*	WASH C	SPARE*	SPARE	SPARE*	SPARE			CC MARINE*	CC MAR	MILW PW1*	MILW P
15	WASH D*	WASH D	SPARE*	SPARE	SPARE*	SPARE			CC JAIL*	CC JAIL	MOLPW*	MOLPW
16	CC EOC*	CC EOC	SPARE*	SPARE	SPARE*	SPARE			CAPD CITY*	CAPDCITY	OC EOC*	OC EOC
	TEST WCCCA3*	14/00040							OADD DET*	CAPD DET	OODW/*	OCPW
17	TEST WUCCHS	WCCCA3							CAPD DET*	CAPU DE I	OCPW*	OCPVV
17 18	TEST WCCCAS TEST ENCR3x*	ENCR3x							CC COURT*	CCCOURT	SANDY PW1*	
18 19	TEST ENCR3x* SIMPLEX8*	ENCR3x SIMPLEX8							CC COURT* CC LE TRNG*	CCCOURT CCLETRN	SANDY PW1* SUNRISE1*	SAN PW SUNRIS
18 19	TEST ENCR3x*	ENCR3x			1				CC COURT* CC LE TRNG* CC WEIGHMSTR*	CCCOURT CCLETRN CCWEIGH	SANDY PW1* SUNRISE1* WLINN PW1*	SAN PW SUNRIS WL PW1
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11300 SE Fuller Rd Milwaukie, Oregon 97222 (503) 780-4806 C800.0RG

Board of Directors Action Request

To: C800 Board of Directors

From: John Hartsock, Manager

Date: July 17, 2019

Re: Award of Construction Contract for Driveway Paving at Damascus Site.

REQUEST: It is hereby requested that the C800 Board of Directors authorize C800 to enter into a contract with Alamo Paving Clackamas, OR in the amount of \$123,153 for repaving the driveway at the Damascus site due to construction damage.

DESCRIPTION: As a part of the construction of the Damascus site there was considerable damage to the landlord's driveway. This drive from the street to the site is very steep, in the 4% to 5% range, and over 1,200 feet in length. The paving area was 22,500 sf and a concrete area of 3,000 sf. The construction traffic including concrete trucks, a crane, shelter transport, and PGE's extensive work cause significant damage to the drive. We prepared and issued bid documents for bids. Twelve firms were contacted but a number declined to bid when they walked the site. Four firms submitted bid proposals ranging from \$123,153 to \$165,780. The project estimate was \$130,000 and carried in our anticipated site costs.

FINANCE: The funds are budgeted in capital outlay as part of the Bond funding.

LEGAL: A C800 construction contract will be utilized as approved by legal counsel.

RECOMMENDATION: It is hereby recommended that the C800 Board of Directors authorize C800 to enter into a contract with Alamo Paving Clackamas, OR in the amount of \$123,153 for repaving the driveway at the Damascus site due to construction damage.

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