

**NOTICE/AGENDA OF PUBLIC MEETING
PIMA COUNTY WIRELESS INTEGRATED NETWORK
EXECUTIVE COMMITTEE MEETING
June 26, 2014**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the members of the PIMA COUNTY WIRELESS INTEGRATED NETWORK EXECUTIVE COMMITTEE and to the general public that the Executive Committee will hold a meeting on **Thursday, June 26, 2014, beginning at 10:15 a.m. or immediately following the Executive Management Committee Meeting** at the Pima Emergency Communications Operations Center (PECOC), 3434 E. 22nd Street, Tucson, AZ.

The Pima Communications & Operations Center endeavors to ensure all persons with disabilities accessibility to meetings. Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting Joni Castro at (520) 724-9321. Requests should be made as early as possible to allow time to arrange the accommodation.

- I. **Call to Order and Roll Call** Chairman

- II. **Approval of Minutes** Chairman
Motion

Review, discussion, and approval of minutes from the May 22, 2014 Executive Committee Meeting.

- III. **Executive Director's Report** John Voorhees
Info & Direction to Staff
 - A. **PCWIN Budget**

The Committee will receive an update on the Special Revenue Fund Budget.

 - B. **OWG & TWG Reports**

The Committee will be briefed on any pertinent activities of the Operational and Technical Working Groups.

 - C. **PCWIN Network Health Report**

The Committee will be briefed on the health of the network.

 - D. **City of Tucson SONET Upgrade**

The Committee will be briefed by the COT staff.

 - E. **Coverage Remediation Process**

The Executive Director will seek guidance from the Committee regarding the needs and priorities for building treatments to enhance coverage.

IV. PCWIN STATUS UPDATE

Rick Brown/John Voorhees
Info & Direction to Staff

- A. Post Cutover Status
- B. 90 Day End User Evaluation Survey - Conclusion
- C. System Acceptance and Initiation of Warranty Services
- D. System Loading Report
- E. Rebanding

V. MOTOROLA SERVICE BULLETIN – REMOTE SPEAKER MICROPHONES

Rick Brown
Info & Direction to Staff

The Wireless Services Manager will brief the Committee on the bulletin and the process for testing and correcting problems with the RSM's integration with the APX 6000 and APX 6000XE radios.

VI. MEMBER & PARTICIPANT ACQUISITION

John Voorhees
Info & Possible Action

The Executive Director will brief the Committee and possibly seek approval for new member applications for participation in PCWIN.

VII. PCWIN AGENCY HANDBOOK UPDATE

John Voorhees
Info & Possible Action

The Executive Director will brief the Committee and possibly seek approval of new Policies. If approved, these policies will be forwarded to the BOD for action.

VIII. AVIATION REQUIREMENTS OF CITY OF TUCSON and PIMA COUNTY

Garry Arnold/Captain David Azuelo/John Voorhees
Info & Possible Action
Tabled

This item was tabled at the May 22, 2014 EC Meeting pending receipt of additional information.

IX. PHASE II BOND IMPLEMENTATION

Chief Paul Wilson/John Voorhees
Info & Direction to Staff

The Committee will receive an update on components of transition of responsibilities from EMC to BOD including potential additional involvement of the Tohono O'odham Nation in PCWIN.

X. COMMITTEE NOMINATION FOR CHAIR

Committee
Info & Possible Action

The Committee will consider nominations to replace Captain David Azuelo as the Chair of the Executive Committee.

XI. COMMITTEE NOMINATIONS (Continued from 5/22/14)

**Committee
Info & Possible Action**

The Committee will consider nominations to replace Captain David Azuelo as the City of Tucson's Managing Member, and forward a recommendation to the BOD for their approval.

XII. NEW BUSINESS – EXECUTIVE COMMITTEE

**Committee
Info & Direction to Staff**

Members may propose agenda items for the July 24, 2014 or other future Executive Committee Meetings.

XIII. CALL TO THE PUBLIC

**Committee
Direction to Staff**

Those wishing to address the Committee need not request permission in advance. Action taken as a result of public comment will be limited to directing staff to study the matter or rescheduling the matter for further consideration and decision at a later date.

XIV. DATE-TIME-LOCATION OF NEXT EC MEETING(S)

Discussion

The next Executive Committee Meeting is scheduled for July 24, 2014, at the Pima Emergency Communications Operations Center, 3434 E. 22nd Street, Tucson, Conference Room 308 at a time to be determined in the near future.

XV. ADJOURNMENT

Motion

A copy of the agenda background material provided to the Executive Committee is available for public inspection at the PCWIN Administrative Office, Pima Emergency Communications & Operations Center, and (520) 724-9321.

**PIMA COUNTY WIRELESS INTEGRATED NETWORK
(PCWIN)
EXECUTIVE COMMITTEE**

Pima Emergency Communications Operations Center
3434 E. 22nd Street
Thursday, May 22, 2014

SUMMARY OF MEETING

Note: The following is a summary of what transpired at the May 22, 2014 Executive Committee meeting. Meeting materials provided are available upon request.

I. Call to Order: Captain David Azuelo, 9:04 a.m.

Roll Call: Joni Castro, PCWIN Office

Members Present

Captain David Azuelo, Tucson Police Dept. (Chair) – Present Telephonically
Chief Paul Wilson, P.C. Sheriff's Dept. (Vice-Chair)
Chief Doug Chappell, Drexel Heights Fire District
Howell Herring, Tucson IT Department
John Voorhees, PCWIN Executive Director
Chief Chuck Wunder, Green Valley Fire District

Members Absent:

Chief Daniel Sharp, Oro Valley Police Department
Anthony Casella, Pima County IT Department

Participating Attendees:

Rick Brown, ITD Wireless Services
Chief Pilot, Sgt. Garry Arnold, City of Tucson

II. Approval of Minute Summary

Motion: It was moved by Chief Wilson, seconded by Chief Chappell, and passed unanimously to approve the Executive Committee Meeting Summary for April 17, 2014.

Materials Provided: EC Summary dated April 17, 2014

III. Executive Director's Report

Mr. Voorhees offers the Executive Director's report which covers the following topics:

A. PCWIN Special Revenue Fund Budget

- The PCWIN system is live and most of the user agencies have received invoices and associated revenue is being received. He notes that if you look at Exhibit 2 (percent of budget spent), this would normally track at approximately at 83% if we had been working with this budget throughout the entire year. However, because the SRF has been

subsidized by General Funds and impacted by capital expense purchases, this ratio is where it was expected to be currently.

- Annual Membership fee invoices represented \$563,000.00 for April and \$56,000.00 for March (partial cutovers).
- Current statistics on exact revenue received is not yet available but will be provided at a future meeting.
- Captain Azuelo inquires about the status of leasing space on Swan Road Tower to interested Cellular companies. Mr. Voorhees advises that this matter is being headed up by the ITD; however, he believes that they have been approached by a few contractors who are actively being pursued but is not aware of the current status.
- Chief Wilson inquires about the spreadsheet for department expenditure forecast (Exhibit 4) – what are the salaries and wages for on line 1 for the first one-half of the year – 3 ITD employees?
- Mr. Voorhees responds that it was his understanding that 3 of the 10 ITD employees in Wireless Services have been charging out at a rate of 25% to the SRF, whereas, the bulk of the salaries had been paid out of the capital fund.
- Chief Wilson is unaware of this arrangement and does not understand why this was happening.
- Mr. Voorhees states that he can follow up with Finance, but understood that this was an agreement that superseded his arrival so he did not question it, but he will follow up on this matter.
- Mr. Voorhees also notes to the EC that regarding the fee cycles – the bill for the first quarter of FY 14-15 should have been sent out by May 15, 2014. Other quarterly billing periods are also reflected in the document according to the Business Plan and what Finance has indicated.

Materials Provided: Special Revenue Fund Budget Documents

B. OWG & TWG Reports

OWG Update – John Voorhees

- OWG remains focused on development of policies and procedures
- The group is also looking at and prioritizing coverage remediation mostly generated from the 90 day survey Users Form. Dust needs to settle on the input before the prioritization process begins. Issues that can be remediated without expenditure of funds will be addressed as quickly as possible. The remainder will be brought to the EC and BOD for direction and funding if necessary.
- A communication exercise is in the planning stage which will be conducted to test the system capacity limitations of our system. Geoff Kuhn, Communications Manager for Tucson Fire, has agreed to organize a fielded roll call on June 3, 2014 (the time of which has not yet been determined) which will consist of taking a few of the talk groups and trying to saturate them without affecting operations for the folks on the street or causing undue harm to the system. This will help achieve a baseline understanding of what the network's capacity might be and to identify any unexpected problems.

TWG Update – Rick Brown

- TWG continues to work on developing policies and reviewing applications for PCWIN membership.
- Priority has been establishing a process between County and City maintenance teams for reporting alarms and alerts.

- COT is working on developing a “mini” NOC and a meeting will be scheduled in the near future to discuss how the two NOCs can better collaborate with each other.
- Staff is in the process of posting signs at all of PCWIN sites to obtain documentation of when buildings have been entered.

C. PCWIN Network Health Report – John Voorhees

This report for the month of April, 2014 basically shows:

- the sites (with the exception of the fill in sites of Colorado, Mildred, and Ajo Mountain)
- number of busies
- percentage of busies of the total amount of the calls that the site experienced
- and a max channel usage with a date to see when we do max out those specific sites
- how many emergency activations had been executed for the site affiliation
- overall, the system is functioning quite well and averaging about 30% usage on the sites

Mr. Voorhees explains that the number of busies for the north simulcast which occurred for the month of April was due to two of the four frequencies in the north simulcast that had been disabled for reasons unknown. He also notes that out of the total call volume, those busies did not even amount to 1%, and since the other two frequencies were reactivated, there have been a total of about 6 busies.

Backhaul Network Performance

- No major issues or malfunctions, or service configurations that have taken place to date.
- Staff is interested in feedback from the Committee on how this information is displayed and what information you are primarily interested in seeing.
- Chief Wilson notes that this is good overview. He states that, impressively this report reflects over 3 million PTTs (push to talk) which punctuates just how much traffic all of the agencies actually generate.
- Captain Azuelo reports that feedback from COT Fire and Police has been exceptionally positive regarding clarity of the voice radio system.
- Mr. Voorhees emphasizes all comments – good and bad – are welcome via the 90 Day Users Survey Form.

Materials Provided: Spreadsheet on Health of the Network for April, 2014.

IV. PCWIN STATUS UPDATE

Mr. Brown provides an overview on the following topics:

- System Load Balancing: This is an ongoing process through the life of the network. He met with the COT on May 9, 2014 to discuss their geographical operation and site affiliation. The plan is to develop groups to allow access at a moment’s notice when needed and will be set up for all agencies. Mr. Brown talked with Director Voorhees about the possibility of developing a subgroup out of the OWG to work on fleet map long term load balancing which would include programming mobile and portable radios. The process is underway, but will take long term planning to be ready to take action when needed.

- Foot pedals: Motorola has ordered 73 new foot pedals scheduled to arrive the middle of June. Because the COT experienced numerous failures due to a variety of reasons, all foot pedals are being replaced and spares will be available.
- DVRS: Staff training was conducted in April and the vast majority of programming has been completed.
Motorcycle Installs: 62 units have been installed and Victory will begin installs for Oro Valley Police Department in the next week or so. Motorola has been requested to at least look at the first install to make sure settings are correct before doing them all. Once the Oro Valley installs have been completed, Motorola will be scheduled to come out and review the first installs to check the settings before remaining units are completed.
- Phase II Vehicle Installs: All Phase II installs have been completed. Mobile units were installed in at least 100 vehicles due to some of the participants getting their vehicles after the cut off.
- Uninstalls: 1475 Legacy radios were removed. Some vehicles which still need console plates and removal of the caps for the antennas are being scheduled.
- Hospital Radio Equipment Installation: All equipment has been installed and in use. Staff is currently working with hospitals now to determine their recording needs and how PCWIN can assist in this area.
- 90 Day End User Evaluation Survey: Everyone is using the forms now. In addition, if Motorola is required to respond, a new form has been created so that the historical data will be included in the Motorola system as well. As a result, we will have the ability to have this information for some of the common reports that are generated. Participants are encouraged to continue using the 90 Day End User Evaluation Survey Forms.
- Bi-directional Amplifiers (BDAs): A formal email will be sent out shortly to participants advising if they were using BDAs in the past, they may not be needed now; or, they may be needed now for use with different frequencies. This will be touched upon again, but as part of the rebanding, Nextel had to be provided with a list of BDAs for 800 MHz systems that are using voice so that they can be considered during the rebanding process. Sprint/Nextel will account for those and pay for that rebanding if it is needed on any 800 MHz systems that require additional BDAs between now and rebanding.
- Rebanding: The frequency reconfiguration phase is underway, and staff is getting an accurate count of all affected infrastructure, equipment and subscriber equipment and gathering appropriate cost estimates for rebanding. After this process has been completed, actual planning will continue for the rebanding later this year.

Discussion:

Chief Wilson asks if Mr. Brown is aware of any other agencies that have 800 BDAs in place currently, other than the County or any other resources that they might be using in the 800 band that may need to be rebanded to function on PCWIN. Mr. Brown is not aware of others with this requirement. Mr. Brown responds that rebanding covers any voice on an 800 MHz system, some of which is used for data which is not covered under rebanding. Chief Wilson notes that it is important to make sure that non-PCWIN agencies understand what they will be responsible for handling with Sprint as opposed to assuming that it will be done by us on their behalf. Mr. Brown will insure that this information is passed on to the appropriate parties.

V. MEMBER & PARTICIPANT ACQUISITION

Mr. Voorhees offers a brief overview of the application components defined by the Applicant's Working Group Subcommittee formed from members of the TWG and OWG.

General Discussion

- Chief Wilson asks if the applicant fills out the application or is something that we do. Mr. Voorhees responds that the applicant completes the first three pages and he completes the remainder. He notes that prior to PCWIN, participants were responsible for paying some costs for equipment and maintenance costs.
- Chief Wilson states that first, the process needs a requirement that the applicants have to operate in TDMA mode. Currently, PCWIN is the only regional system operating in TDMA, so there will be costs associated with this process even to do a flash upgrade. They should not have the expectation to operate in FDMA mode on the PCWIN system as it is not designed that way and there is also a capacity issue.
- Mr. Voorhees advises that he has addressed general costs with applicants and has not enumerated the specific costs or the break out before addressing the EC. They do know that there will be a code plug fee, fleet map fee, radio programming fee and annual maintenance or provide proof of acceptable maintenance.
- Chief Wilson asks if the applicants are allowed to provide their own proof of maintenance, will they be considered maintenance providers - setting this precedent. He notes that some of these agencies may have reservations with Pima County programming for their radios and looking for programming with agency encryption keys, and the willingness or unwillingness of those who maintain those for security purposes to give them up. This process opens up a lot of issues that need to be addressed with an IGA with these applicants that also stipulates that they must abide by our procedures. The approved use of the network is primarily for interoperability purposes as I can see that some of these entities would like this system better than their home system allowing for a progression into increased communications.
- Mr. Voorhees states that upon approval by the Board, applicants will be given a letter from him that contains a majority of these components including maintaining their equipment, monitoring and controlling access. He will bring a sample of the letter to the next EC meeting for member review.
- Captain Azuelo speaks to each of the agencies that have been sponsored by the COT Police Department and has had this conversation with them. He affirms that it is not the agencies' intent to migrate over to the PCWIN new system versus interoperability, and the City has obtained signatures from all representatives indicating same.
- Mr. Voorhees appreciates the comments and will include provisions for TDMA mode in letter.

Mr. Voorhees reports on the following applicants who are seeking an Interoperability Partnership with PCWIN:

- A. Arizona Attorney General's Office: Has 65 Harris radios and wishes to participate as an Interoperability Participant. This request bears discussion on whether or not the network will be opened up to other equipment. He speaks to the fact that we do not have the hardware or software to program the radios, and security concerns about the system key (see correspondence from Charle Hendrickson). Currently their fee is about \$1,600.00, plus any other equipment requirements to get the radios on the system, annual maintenance and subscriber fees, etc.

Motion: It is moved by Captain Azuelo, seconded by Howell Herring that this application be approved providing that appropriate policy and budget conditions are met. The item is opened for further discussion:

- Chief Wilson questions if there was a policy stating that only approved maintenance providers could work on PCWIN radios. Mr. Voorhees responds that current documentation only mentions who the providers are, but a policy has never been developed limiting maintenance to those providers.
- Captain Azuelo states that it is important to note that each of the applicants have already had access in the past with COT agency radios for many years, their respective staffs have worked together, and he feels it important that they maintain the communication relationships with the stakeholders.
- Chief Wilson agrees with Captain Azuelo that they should be given conditional access and Mr. Voorhees recommendation to include a test plan and period to allow the radios on the PCWIN TDMA network as this type of equipment has never been tested so it is unclear about the impact to the network.
- Chief Wilson is convinced that it will function over the air, but not sure how it will function on the network itself or what limitations may exist, so the technical staff must be relied upon to conduct these tests. We must rely on our technical staff to test that. He suggests that the application be tabled and returned for consideration after the technical staff has had an opportunity to develop such a plan and execute it.
- Captain Azuelo is concerned as COT is already operational with that agency, and is experiencing problems because they do not have access to the new radio system which is preventing them from communicating during times of operational necessity. He suggests that the EC approve this while continuing the evaluation process. Obviously, if there is an issue that in anyway impedes the PCWIN system, the application can be re-evaluated and another course of action suggested. He believes that in the interest of officer safety and interoperability, the EC cannot drag their feet on these issues.
- Chief Wilson suggests that perhaps a small number of radios could be loaned to them while we are testing and Captain Azuelo agrees.
- Chief Wilson asks how many agents are assigned to a taskforce because they are asking for programming of all their radios in Arizona.
- Captain Azuelo states that he does not have that information right now as right now but could use this as a stop gap, allowing the TWG to conduct appropriate testing and impact to the network.
- Chief Wilson is supportive of participation but he wants to be cautious and prudent.
- Mr. Voorhees suggests that 2 or 3 of their radios be tested and upon no negative impact, the remainder can be programmed.
- Captain Azuelo believes that when they deploy a taskforce, there is one supervisor. He would like to insure that each squad or supervisor has one radio and that way if they are deployed, they can still communicate. If the testing produces positive results, the final number of radios to be programmed can be assessed.
- Mr. Voorhees confirms that the motion is amended to loan the AG Office PCWIN radios for Taskforce Supervisors until such time that the Harris radios can be programmed. And Captain Azuelo agrees.

Motion: Chief Wilson supports that amendment, and upon a vote the item is unanimously approved.

- B. National Park Service: This agency has been waiting since October, 2013, and currently has radios on loan from the PCSD. They have purchased 45 APX 7000 radios which will primarily be programmed for interoperability with PCSD. While their number of radios is relatively small, and they are primarily looking for participation with one agency, their use needs to span the entire length of Pima County. Although network impact is that they could

potentially be on all of the sites per their area of responsibility, but they are primarily looking at patrol talkgroups for the PCSD, who has already approved their talk group access.

Motion: it is moved by Chief Wilson, seconded by Captain Azuelo and unanimously carried to approve the National Park Service's application as an Interoperable Participant in PCWIN.

- C. Union Pacific Radio: This agency purchased Motorola APX 7000 dual band radios and has 10 portable radios that they wish to program into PCWIN to primarily promote communications with TPD and PCSD. Permission has been received by TPD authorizing access to the requested talk groups. Permission from PCSD has not been received, but the Mr. Voorhees has been advised that it is forthcoming.

Motion: it is moved by Chief Wilson, seconded by Captain Azuelo and unanimously carried to approve the Union Pacific Radio's application as an Interoperable Participant in PCWIN.

- D. US Marshals Service: This agency currently has dual band APX units. Because federal regulations require that all radios within a sector be programmed the same, a total of 187 radios will need to be programmed with the requested TPD and PCSD frequencies. PCSD approval has been received and TPD is pending. Captain Azuelo states that the access has been approved by the City.

Motion: it is moved by Chief Wilson, seconded by Mr. Herring and unanimously carried to approve the U.S. Marshals' application as an Interoperable Participant in PCWIN.

Materials Provided: Copies of Applications for the above referenced Agencies.

Mr. Voorhees notes that there are 5 or 6 outstanding applications that will require BOD approval. He would like to request that the BOD grant permission to the Executive Committee to approve the current applications in the queue in order to expedite processing due to the cycle of the next quarterly Board meeting. The Committee members agree.

VI. PCWIN AGENCY HANDBOOK UPDATE

Mr. Voorhees reports that the policies identified below are being returned with the suggested revisions requested at the April 17, 2014 EC meeting for approval by the EC and forwarding to the BOD. He also states that a new policy (101-G – Contractors) is also being submitted for approval.

- 101-E - Policy and Procedure Management: Establishes the process for management of all Pima County Wireless Network (PCWIN) policies and procedures.
- 102B – Good Neighbor Policy: Provides for temporary assistance to entities with an immediate communications emergency the ability to continue public safety daily operations.
- 106B – Reporting System Issues Policy: Requires that users have some level of obligation for reporting system issues should a PCWIN member see a problem with the network regardless of significance.
- 106C Annual Drills: Establishes basic guidelines and expectations for the members of the Pima County Wireless Integrated Network (PCWIN) to participate in annual drills and exercises.

- 101G –Contractors (NEW): Compels agencies to explain to outside contractors the need to adhere to established policies and procedures and make them accountable for same.

Motion: It was moved by Chief Wilson, seconded by Chief Chappell and unanimously carried to approve Policies 101E, 101G, 102B, 106B and 106C as presented.

Materials Provided: Copies of PCWIN Handbook Policies 101E, 101G, 102B, 106B and 106C.

VII. AVIATION REQUIREMENTS OF THE CITY OF TUCSON AND PIMA COUNTY

Captain Azuelo introduces Sgt. Garry Arnold, Chief Pilot for the City of Tucson, who provides the following brief overview of issues pertaining to their aviation communication issues and needs.

- COT has experienced limited success with the use of the radios since the installation of the APX 7000 units.
- Use and operations of equipment is ongoing but remains a “work in progress”.
- Operational limitations exist depending on phase of flight.
- Radios operate better in certain phases of flight
- Experiencing loss of radio communications during orbit
- Holding hand held radios in the cockpit has caused some issues and found that the tactical flight officers were trying to hold the radios which is integrated into the aircraft and helmet headsets which is reducing performance of the APX 7000 radios.
- Causing interference with the APX 7000.
- Finding some technical issues with the microphones in the helmets that the flight officers are wearing - some microphones work, others do not.
- Removal of the old Wulfsberg radio and installation of the new radio would require the least modifications with no design modifications or FAA approvals required.
- Ultimate solution to most of the issues is to integrate an aviation compatible PCWIN radio to install into the aircraft to address all of the issues.

Questions/Discussions

- Chief Wilson notes that someone had come over to look at the mobile radio configuration in the Sheriff’s aircraft and inquired about the outcome of that visit.
- Sgt. Arnold responds that they actually gave them the mobile radios but before they can be used, they would have to become FAA compliant and obtain approval which would require hiring an engineering firm to do the design for the necessary modifications to the helicopters. Unfortunately, no one else has approached the FAA with this kind of request. Our engineer will be required to diagram modifications to accommodate installation of the radios and antennas, how they will be integrated into the helicopter and submit that to the FAA for approval. Whether or not that will be approved will have to be determined. Ultimately, if we had the Technisonic or Wulfsberg radios, they would not have to do that as there are no required modifications to the aircraft which would alleviate the time and expense for engineering and FAA approval.
- Chief Wilson asked about the time and costs required for of the engineering design and FAA approval process and Sgt. Arnold stated he could not respond at this time because they have not been through this process before. Chief Wilson was asking as he is trying to balance the functional capability of pursuing this process as opposed to replacing the mobile

aircraft radios at a cost of \$7,000.00 versus \$70,000.00 aircraft radios (times 3 which is significant).

- Sgt. Arnold notes that the City is making an effort to make the current system work but is looking for a better long term solution.
- Mr. Voorhees notes the problem with the time line for Wulfsberg producing a TDMA compatible radio system is significant. He also notes that Technisonic is a larger radio that will not fit into the current hole accommodating the previous radio. Sgt. Arnold confirms that it will not. Mr. Voorhees states that in summary, there is still a lot of research that needs to be done including nailing down the costs associated with each alternative.
- Captain Azuelo suggests that due to the need for additional investigation of alternatives, he suggests that this matter be deferred for a month to insure that an informed decision can be made. All members agree.

NOTE: Captain Azuelo needs to leave the meeting and Chief Wilson assumes the Chair.

VIII. PHASE II BOND IMPLEMENTATION

Mr. Voorhees discusses the issue of the remainder of the Bond Funds (\$4.5M) as they relate to the Tohono O'odham Nation's (Nation) participation in PCWIN. He directs the Committee to his letter to Asst. Chief Hangartner from the Nation regarding the need for resolution of the following items:

- Permission to expand Kitt Peak's 10' x 10' plot – a recent conversation with Mr. VanDermyden at the Bureau of Indian Affairs did not result in much interest or a solution to this issue.
- Bond Funds - if a commitment from the Nation with a specific timeline is not received in the near future, it may not be possible to continue holding the funds as there are several other PCWIN related expenses, as well as non-PCWIN agencies, that could put the money to good use.
- The build out license for the build out of Phase II has expired. A compelling reason will be needed to justify re-petitioning the FCC for another extension. This is another reason why a commitment from the Nation is important.
- Efforts continue to resolve these issues, and a response back Asst. Chief's Hangartner response on May 21, 2014 indicated that he would elevate it back up to the Nation to see if there was anyway get a commitment.

Chief Wilson notes that he received a voicemail from Tony Casella requesting past correspondence with the Nation about why the footprint on Kitt Peak is inadequate. In his message, he also noted that Asst. Chief Hangartner indicated that the TO Police Department wanted to go to the National Science Foundation to get a separate lease area for PCWIN, which seems to deviate from the previous strategy to get BIA in compliance and ask to expand their lease footprint. He states that without BIA's cooperation, this will not go anywhere.

IX. PCWIN SYSTEM REDUNDANCY

On behalf of Mr. Herring, Chief Wilson solicited and received a reply from Motorola on system redundancy. Chief Wilson notes it appears that even though PCWIN has a dual zone controller configuration with the redundant zone controller located in this building, it is not built out as a dual master site.

Consequently, if this building was lost, it would not provide increased survivability redundancy. Even if there was a remote controller at Thomas Price, it would not be able to sustain the network.

- Mr. Herring states that is the additional expense that Chief Wilson spoke of in earlier sessions that he did not quite understand. He states he now understands that even if there was an auxiliary controller at the redundant site, there would be additional expenses required to supplement the redundant site. He asks Chief Wilson if he has numbers on what those components would cost so the Committee could make an informed decision to determine the cost versus the risk.
- Chief Wilson notes that they had some bid numbers and notes that at the last meeting Mr. Herring had asked about exploring the costs of geographic separation of the zone controllers at the master site here at PECOC. He further explains that the design specifications required that there be no single points of failure in the network so there are actually 2 redundant zone controllers. If one fails, the other picks up to avoid loss of network capabilities. Each of those are supplied with A and B power sources and A and B power units which minimizes the risk of loss of power. In the MDF room, there are resources to keep that room functioning such as redundant cooling, commercial and generator power at the facility and redundant work paths into the building for microwave and fiber, as well as redundant technology. During the initial procurement process the issue of geographically separating those components in the case of catastrophic event to continue operations through an additional site was not something that Motorola supported unless a new master site was created and configured identically at an approximate cost of \$1M. These details were discussed with the EMC at the time, and they came to the conclusion that there was really insufficient risk to justify the additional expense for the additional master site.
- He explains that there are other redundancies, however, in the current system that help insure operations even in the event of a single loss of equipment.
- Chief Wilson notes that he read in Motorola's documentation, that the future upgrade to version 7.15 in the first quarter of next FY has an optional capability of supporting geographic separation of the site controllers in a prime site for simulcast systems which may be worthy of further consideration. More information about another level of redundancy for the simulcast prime sites would also be needed. Currently, Motorola does not support separation of the master site zone controllers although they would be happy to accommodate building another master site if we were willing to pay the cost.
- Mr. Herring, states, that with the permission of the Committee, he would like to contact Motorola personally so he can fully understand the matter before this item is closed out.
- Chief Wilson agrees and requests that Mr. Herring work through Rick Brown or Tony Casella as they represent the network managing member.

X. COMMITTEE NOMINATIONS

Mr. Voorhees explains that Captain Azuelo is being reassigned to other duties within TPD, and will be leaving his post as Chair of the Executive Committee after conducting the June 26, 2014 EC meeting. The original intent of this item is to discuss and consider nominations for a replacement for the City of Tucson's representative on the EC as this 7 member body requires City of Tucson Manager level participation. He believes it would be appropriate for the COT to nominate their own person, and in the absence of Captain Azuelo during this portion of the meeting, it is suggested that this item be continued until the June 26, 2014 EC meeting. Chief

Wilson requests that Mr. Herring carry back a message to Captain Azuelo that this position is not restricted to Police or Fire, but needs to be an executive level person who understands the business and technological aspects of PCWIN and be able to contribute to decisions pertaining to those components. He also asks that the City nominate individuals who will bring some consistency and be able to remain with the project for a while, which benefits the Committee, the City and the other member agencies overall. Mr. Herring will take the information back as requested.

Action: The Members agree to continue this item the next Executive Committee Meeting on June 26, 2014.

XI. NEW BUSINESS – EXECUTIVE COMMITTEE

No new business was brought forward.

XII. BOARD OF DIRECTORS MEETING AGENDA

The Committee has reviewed and made no additional changes/deletions to the agenda and requests that all EC approvals be moved forward for Board approval.

XIII. CALL TO THE PUBLIC

Chief Wilson makes a call to the public and no one responds.

XIV. DATE-TIME-LOCATION OF NEXT EC MEETING(S)

The next Executive Committee meeting is scheduled for June 26, 2014, at the Pima Emergency Communications Operations Center, 3434 E. 22nd Street, Tucson, Conference Room 308 at a time to be determined in the near future. Chief Wilson believes that there will be an Executive Management Committee scheduled on that day as well.

XV. ADJOURNMENT

Motion: It was moved by Chief Chappell, seconded by Asst. Chief Wunder and unanimously carried to adjourn the meeting.

Minutes prepared by Joni Castro
PCWIN ADMINISTRATION
Approved as amended by the EC on June 26, 2014

Office of Emergency Management
 FYE 2014 Bureau B242 Forecast Report
 Fund 2101_OEM Radio System Special Revenue Fund
 All Units
 FOR PERIOD ENDING April 30, 2014

														As of Period									
														11									
EXPENDITURES																							
Apr 01-PERSONNEL SERVICES	FY 12/13 Actuals	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	April	May	FY 13/14 YTD	FY 13/14 Straightline Projection	Encumbrances	FY13/14 YTD Obligations	FY13/14 Adopted Budget	FY13/14 Revised Budget	Forecast	Variance (Revised vs. Forecast)	Comments		
1	5400 - SALARY & WAGES	\$ -	\$ 2,563	\$ 21,727	\$ 12,393	\$ 17,110	\$ 15,509	\$ 16,330	\$ 17,444	\$ 15,143	\$ 15,900	\$ 16,657	\$ 16,391	\$ 167,166	\$ 182,363	\$ -	\$ 167,166	\$ 184,987	\$ 184,987	\$ 183,690	\$ 1,297	Forecast includes 2% COLA effective 1/1/14 and 3 ITD staff charged in at 25%.	
2	5401 - OVERTIME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3	5402 - On Call Pay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4	5403 - SHIFT DIFFERENTIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5	5404 - TEMPORARY HELP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
6	5408 - VACANCY SAVINGS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
7	5409 - FICA & MEDICARE	-	196	1,646	891	1,253	1,136	1,196	1,279	1,110	1,165	1,221	1,201	12,294	13,412	-	12,294	14,152	14,152	13,505	647		
8	5410 - UNEMPLOYMENT	-	4	37	21	29	26	28	30	26	27	28	28	284	310	-	284	315	315	312	3		
9	5411 - HLTH INS PREM	-	1	1,262	1,459	1,643	1,503	1,573	1,641	1,429	1,501	1,572	1,569	15,153	16,530	-	15,153	17,016	17,016	16,723	293		
10	5412 - WORKERS COMP	-	6	48	27	38	34	36	38	33	35	37	36	368	401	-	368	407	407	404	3		
11	5413 - LIFE INSURANCE	-	3	16	11	15	13	14	15	13	13	14	14	141	154	-	141	180	180	155	25		
12	5414 - EMPLOYER PAID BENEFITS	-	-	(1)	(1)	-	-	-	-	-	-	-	-	(3)	(3)	-	(3)	-	-	(3)	3		
13	5415 - EMPLOYER PAID SUBSIDY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
14	5416 - RETR AZ ST	-	296	2,507	1,430	1,974	1,790	1,885	2,013	1,748	1,835	1,922	1,892	19,291	21,045	-	19,291	21,347	21,347	21,198	149		
15	5422 - DENTAL INS PREM	-	-	13	16	13	12	12	13	11	11	12	12	124	135	-	124	150	150	136	14		
16	5423 - INTER SALARY CR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
17	5424 - INTERDEPARTMENTAL SALARIES CHARGED IN	-	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119	12,306	13,425	-	12,306	13,425	13,425	13,425	(0)		
18	5425 - INTER FRINGE CR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
19	5427 - INTERDEPARTMENTAL FRINGE OUT	-	-	(1,294)	(4,720)	(3,650)	(5,474)	(3,650)	(3,723)	(3,723)	(3,723)	(1,861)	-	(31,817)	(34,709)	-	(31,817)	-	-	(31,816.83)	31,817	Forecast includes 2% COLA effective 1/1/14-PCWIN Director and 1 staff charges out to PCWIN CIP thru 4/5/14	
20	5428 - INTRADEPARTMENTAL FRINGE CHARGED IN	-	-	-	61	(61)	-	-	113	(46)	2	126	519	714	779	-	714	149,560	149,560	20,073	129,487	Charges in budget are for 10 ITD PCN. 3 are set up on a 25% salary split. Their costs hit 5400 and the benefit accounts. Additional 7 PCN to charge their time to PCWIN effective 4/1/14-these PCN are forecasted here (benefits) and in account 5430 (salary) Note no Charge Ins from ITD for Period 10 projected	
21	5429 - INTERDEPARTMENTAL SALARIES OUT	-	-	(3,942)	(16,746)	(11,117)	(16,675)	(11,117)	(11,339)	(11,339)	(11,339)	(5,669)	-	(99,283)	(108,308)	-	(99,283)	-	-	(99,282.67)	99,283	Forecast includes 2% COLA effective 1/1/14-PCWIN Director and 1 staff charges out to PCWIN CIP thru4/5/14	
22	5430 - INTRADEPARTMENTAL SALARIES CHARGED IN	-	-	-	186	(186)	-	-	343	(141)	7	385	1,580	2,175	2,373	-	2,175	377,858	377,858	72,042	305,816	Charges in budgeted are for 10 ITD PCN. 3 are set up on a 25% salary split. Their costs hit 5400 and the benefit accounts. Additional 7 PCN to charge their time to PCWIN effective 4/1/14-these PCN are forecasted here and in account 5428. Note no Charge Ins from ITD for Period 10 projected	
23	5431 - BUDGETED BENEFITS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
24	5436 - RETIREMENT ADJUSTMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25	TOTAL	-	4,187	23,137	(3,853)	8,181	(1,008)	7,426	8,985	5,382	6,555	15,563	24,360	98,914	107,907	-	98,914	779,397	779,397	210,561	568,836		

Office of Emergency Management
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	Appr 02-OPERATING EXPENDITURES	FY 12/13 Actuals	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	April	May	FY 13/14 YTD	FY 13/14 Straightline Projection	Encumbrances	FY13/14 YTD Obligations	FY13/14 Adopted Budget	FY13/14 Revised Budget	Forecast	Variance (Revised vs. Forecast)	Comments	
26	5000 - OFFICE SUPPLIES	126	-	-	-	-	-	633	-	65	-	550	-	1,249	1,362	-	1,249	975	975	1,249	(274)		
27	5001 - SOFTWR <100,000	-	-	-	-	-	-	560	-	-	-	-	-	560	611	-	560	35,000	35,000	560	34,440		Comm Shop was budgeted at \$35K, total quote is 25,147, estimated 7% added for tax. Invoice posted to object code 5125 for \$27,234 and forecasted there.
28	5002 - COMPTR EQ <1000	512	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	5003 - Food Supplies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	5007 - FUEL & OIL	-	-	-	-	-	-	-	-	-	-	2,511	-	2,511	2,739	-	2,511	500	500	2,032	(1,532)		
31	5008 - BOOKS SBSCPTN VIDEOS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,250	1,250	1,250	-		Pcard Transaction. Part of charge for propane needs to be reversed. JVD 14*4566 period 12 for \$478.27 ????
32	5010 - R & M SUPPLIES	-	-	-	-	-	-	-	-	-	-	1,410	(1,298)	113	123	-	113	-	-	-	-		Ballasts should have been charged to FM unit 0318, \$1,069 (JVD 14*4514). Batteries should have been charged to a work order for IT generators. Reversing charges with JVD 14*4431 and 4435 totaling \$341.04.
33	5011 - CLASSROOM EDUCATIONAL TESTING SUPPLIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
34	5013 - JANITORIAL SUP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
35	5014 - CLOTHING, UNIFORMS & SAFETY APPAREL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	5015 - PROMOTIONAL ITEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
37	5018 - OTH OPER SUP	2,016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,500	12,500	12,500	-	????	
38	5020 - TOOLS & EQ<1000	1,124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20,000	20,000	20,000	-	????	
39	5021 - FURNITURE<1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
40	5102 - COURT REPORTERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
41	5103 - LAWYERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
42	5114 - ENGINEERING SERVICES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
43	5116 - TELECOMMUNICATIONS SERVICES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
44	5121 - ACCOUNTING AND AUDIT SERVICES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
45	5124 - TPA SERVICE FEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
46	5125 - SOFTWARE MAINTENANCE & SUPPORT	-	-	-	27,234	-	-	-	-	-	(2,269)	-	-	24,964	27,234	-	24,964	-	-	24,964	(24,964)		Comm Shop was budgeted at \$35K under object 5001 but posted under object 5125. This is a prepaid terms 7/30/13-7/30/14. Forecast reduced by one month that will be expensed in FY15.
47	5133 - DENTAL SERVICES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
48	5134 - OUTSD HSP CLNCS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
47	5138 - IN STATE TRAINING	-	-	-	-	-	-	-	-	-	1,425	-	-	1,425	1,555	-	1,425	-	-	1,425	(1,425)		New miner, inexperienced training to be conducted at PECOC.
48	5139 - OUT OF STATE TRAINING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
49	5140 - TRAVEL IN AZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500	500	500	-	????	
50	5141 - OUT OF STATE TRAVEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
51	5142 - POSTAGE & FRGHT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,500	2,500	2,500	-		
52	5143 - PRNTG & MICRFLM	-	35	-	406	-	-	-	-	-	-	49	-	489	534	-	489	125	125	489	(364)		
53	5147 - LEASES & RENTAL	93,827	6,423	1,950	2,606	18,751	3,206	2,606	3,332	2,606	3,332	3,058	(18,863)	29,008	31,646	38,424	67,432	177,165	177,165	76,190	100,975		Forecasted at actual FY14 rents. \$7874 for FY14 Mission Road rent also posts here. JVD 14*4796 reversing JVD 14*4337 in period 12 for \$11,597.85
54	5148 - Leases & Rentals - Real Estate	-	-	1,312	-	(1,312)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
55	5149 - R & M MACH & EQ	7,691	-	191	74	169	846	-	-	-	-	-	-	1,279	1,396	70,000	71,279	3,750	3,750	28,750	(25,000)		Encumbrance is the City of Tucson IGA CT114*188 but per Director only \$25K will be paid this year max. Forecast is \$25K plus budget.
56	5150 - R & M BUILDINGS	291	-	-	-	-	-	-	-	-	-	85	85	170	185	-	170	-	-	170	(170)		Rodent Control Swann Tower \$85 in period 11.
57	5152 - OTHER PROFESSIONAL SERVICES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
58	5160 - CREDIT CARD FEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
59	5161 - PROMO PRINTING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
60	5162 - ADVERTISING	5,608	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
61	5166 -LEASES & RENTALS - TELECOMMUNICATION SERVICES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
62	5167 - LEASES & RENTALS - OFFICE MACHINES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
63	5200 - INTER SPL SV CR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
64	5203 - INTERDEPARTMENTAL SUPPLIES AND SERVICES CHARGED IN	-	-	-	22	(22)	-	-	72	-	182	811	(745)	320	349	-	320	-	-	438	(438)		Charges to OEM in error \$839.15. JVD 14*4430 to reverse expense in period 10.
65	5206 - ADMIN OH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
66	5300 - PHONE INTERNET	13,738	1,145	1,219	1,517	1,237	1,237	1,237	1,237	1,237	1,237	1,237	1,237	13,775	15,028	-	13,775	118,940	118,940	19,409	99,531		Port charges are one port \$37/mo (\$444/yr) and 1144.65 for SmartNet fees per month. Plus cell phones at \$4725 total. Plus LD estimated at \$500.
67	5301 - ELECTRICITY	4,438	1,656	3,636	3,061	3,239	1,278	2,536	3,280	2,530	2,712	2,996	3,281	30,204	32,950	1,264	31,468	71,200	71,200	34,204.24	36,996		
68	5305 - MILEAGE REIMBUR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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69	5306 - MOTOR POOL CHG	27,241	3,365	4,707	2,724	3,031	3,228	2,240	3,534	2,322	2,632	3,025	2,921	33,728	36,794	-	33,728	31,985	31,985	33,728	(1,743)	At S/L-three vehicles permanently charged to this fund (2 Jeeps, 1 Tacoma)
70	5309 - DUES MEMBERSHPS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400	400	400	-	
71	5312 - MISC CHARGES	840	-	280	140	70	-	-	210	-	70	140	70	980	1,069	-	980	-	-	1,280	(1,280)	Parking garage costs for one spot at the B of A moved to Wireless effective P3. One spot at Level B at \$70/month OK per Director. Total forecast is \$70/mo x 12 for Level B Spot and \$70 for Jul and Aug for B of A now paid for by ITD. And \$300 for PECOC shared costs.
72	5313 - MISC NON CASH ADJUSTMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
73	5314 - PMTS TO GOV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170,000	170,000	88,300	88,300	42,500	45,800	Payments to City of Tucson per agreement to reimburse City for PCWIN staffing-revised to 3 months of max \$170K per JV- CT14*188 encumbers the maximum.
74	5319 - PROPRTY DMG INS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,725	13,725	-	13,725	No costs to be incurred for property damage insurance
75	5321 - OTHER INSURANCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
76	5329 - INTEREST EXP-POOLED INVESTMENTS	50	-	-	6	9	21	34	38	47	-	69	-	222	243	-	222	-	-	222	(222)	
77	5338 - JOB TRAINING SUPPLIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
78	5339 - JOB SUPPORT SVC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
79	5503 - FURNITURE NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
80	5504 - OFF MCH CMPT NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,500	2,500	2,500	-	
81	5508 - OTH EQUIP NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500	500	500	-	
82	TOTAL	157,543	12,623	13,295	37,789	25,170	9,815	9,847	11,704	8,807	9,320	15,940	(13,312)	140,998	153,816	279,688	420,686	581,815	581,815	307,761	274,054	
83	GRAND TOTAL EXPENDITURES	157,543	16,810	36,432	33,935	33,351	8,807	17,273	20,689	14,189	15,875	31,503	11,048	239,913	261,723	279,688	519,600	1,361,212	1,361,212	518,322	842,890	

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REVENUES																						
Apr 05-REVENUES		FY 12/13 Actuals	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	April	May	FY 13/14 YTD	FY 13/14 Straightline Projection	Encumbrances	FY13/14 YTD Obligations	FY13/14 Adopted Budget	FY13/14 Revised Budget	Forecast	Variance (Revised vs. Forecast)	Comments
84	4200 - GENERAL GOVERNMENT FEES	-	-	-	-	-	-	-	-	-	56,250	563,594	(281,153)	338,691	369,481	-	338,691	-	-	338,691	338,691	PCWIN radio charges external to PC budgeted for estimated last 3 months of the fiscal year-budged in 4412; will be collected in 4200 above Projected now at YTD
85	4247 - INTER-DEPARTMENTAL REVENUE	-	-	-	-	-	-	-	-	-	-	-	287,747	287,747	313,906	-	287,747	262,566	262,566	287,747	25,181	PCWIN radio charges internal to PC budgeted for estimated last 3 months of the fiscal year plus sponsored agencies paid for by FN Contingency Now in Revenue Code 4200
86	4400 - RENTS & ROYALTIES	35,250	3,250	6,500	3,250	3,325	3,288	3,288	3,288	3,288	3,288	3,288	3,288	39,338	42,914	-	39,338	39,000	39,000	42,626	3,626	Forecast at budgeted Cingular/RVFD \$2K/month; OVPD 1,288/month effective Nov 2013
87	4407 - INTEREST POOLED OPERATING	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88	4412 - MISC REVENUE NON OPERATING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	381,777	381,777	-	(381,777)	PCWIN radio charges external to PC budgeted for estimated last 3 months of the fiscal year-budged in 4412; will be collected in 4200 above
92	TOTAL REVENUES	35,265	3,250	6,500	3,250	3,325	3,288	3,288	3,288	3,288	59,537	566,882	9,882	665,776	726,301	-	665,776	683,343	683,343	669,064	(14,279)	
Apr 07-OPERATING TRANSFERS																						
Apr 07-OPERATING TRANSFERS		FY 12/13 Actuals	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	April	May	FY 13/14 YTD	FY 13/14 Straightline Projection	Encumbrances	FY13/14 YTD Obligations	FY13/14 Adopted Budget	FY13/14 Revised Budget	Forecast	Variance (Revised vs. Forecast)	Comments
91	4702 - TRANSFRR IN GEN FND	136,756	-	-	-	-	-	-	-	14,483	-	-	-	14,483	15,800	-	14,483	-	-	91,061	91,061	Forecasted operating transfer is forecasted expenditures thru 4/1 less forecasted revenues thru 4/1 when PC WIN goes live with adjustments for costs that are attributable to PCWIN only. Once PCWIN goes live, GF support ends.
	TOTAL OPERATING TRANSFERS	\$ 136,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,483	\$ -	\$ -	\$ -	\$ 14,483	\$ 15,800	\$ -	\$ 14,483	\$ -	\$ -	\$ 91,061	\$ 91,061	



as of 6/23/2014

Site	# Buses	% Buses	# Voice calls	% Channel usage	Max Channel Usage with Date	Emergency Activations	Comments
Simulcast A	37	0.000%	305,036	34%	5/30/14 46%	107	
Simulcast B	7	0.000%	305,813	31%	5/28/14 42%	91	
North Simulcast	13	0.000%	71,320	45%	5/27/14 57%	7	
Golder	0	0.000%	36,385	37%	5/24/14 57%	6	
Arivaca	0	0.000%	3,545	29%	5/26/14 35%	2	
Bigelow	8	0.000%	17,886	45%	5/23/14 57%	7	
Confidence	2	0.000%	55,568	38%	5/31/14 47%	11	
Haystack	57	0.001%	41,425	44%	5/23/14 61%	13	
Childs	0	0.000%	6,422	41%	5/29/14 47%	0	
Keystone	4	0.000%	109,407	46%	5/30/14 60%	33	
Total	128	0.000%	676,807	39%	N/A	277	



as of 6/23/2014

Backhaul Network Performance Metrics

% Network Uptime	Link Failures	# of Equipment Malfunctions per site	SVC Interruptions and Impact	Major Svc or Config Changes
100.00%	Link from PECOC to Childs/Ajo: Found out about a planned DPS Maintenance affecting PCWIN Oatman to Childs MW that Pima County was not notified. DPS Microwave went down two minutes causing five minute outage at Ajo.	None	Actual outage time 2 hours 5-13-2014 for Ajo Dispatch and Childs site trunking. Actual outage time five minutes 5-29-2014 for Ajo Dispatch and Childs Site Trunking.	DPS upgraded link from Oatman to Childs giving PCWIN Dedicated Vertical polarized feed horn(was shared with DPS before upgrade.



as of 6/23/2014

Site	# Busies	% Busies	# Voice calls	% Channel usage	Comments
Simulcast A	0	0.000%	2,734	43	
Simulcast B	0	0.000%	2,682	41	
North Simulcast	0	0.000%	798	43	
Golder	0	0.000%	288	34	
Arivaca	0	0.000%	71	27	
Bigelow	0	0.000%	53	37	
Confidence	3	0.004%	674	39	
Haystack	1	0.005%	194	41	
Childs	0	0.000%	54	28	
Keystone	84	0.103%	818	42	
Total	88		8366	37.5	

Overview

- What is Sonet
- Why is CoT upgrading Sonet
- What is the scope of work
- What is the process
- How will this affect my operations
- What is the net benefit

What is Sonet?

- “Synchronous Optical Network”
- City of Tucson’s Network connectivity
- Consists of Fiber and Microwave
- Portions of Sonet provide network backhaul for PCWIN

Why is CoT upgrading Sonet?

- ▶ Upgrade is needed due to “End of Life” status of the current configuration.
 - Warranty expiration.
 - Will no longer be able to obtain CISCO support
 - Trouble procuring - Repair parts, circuit cards, system repair and troubleshooting for complex issues.

Repair parts are vital to the ability to maintain a viable system.

Why is CoT upgrading Sonet?

- Must meet Site Specific Agreement (SSA) to maintain PCWIN Ring.
 - West Ring is held under SSA
 - CISCO will not support or warranty existing ring without upgrade and their over watch and expertise is necessary.
 - Utilization of ring will become more efficient because of upgrade.
 - Will be able to use more of the available bandwidth
 - Upgraded cards will “right size” and use bandwidth they need efficiently.

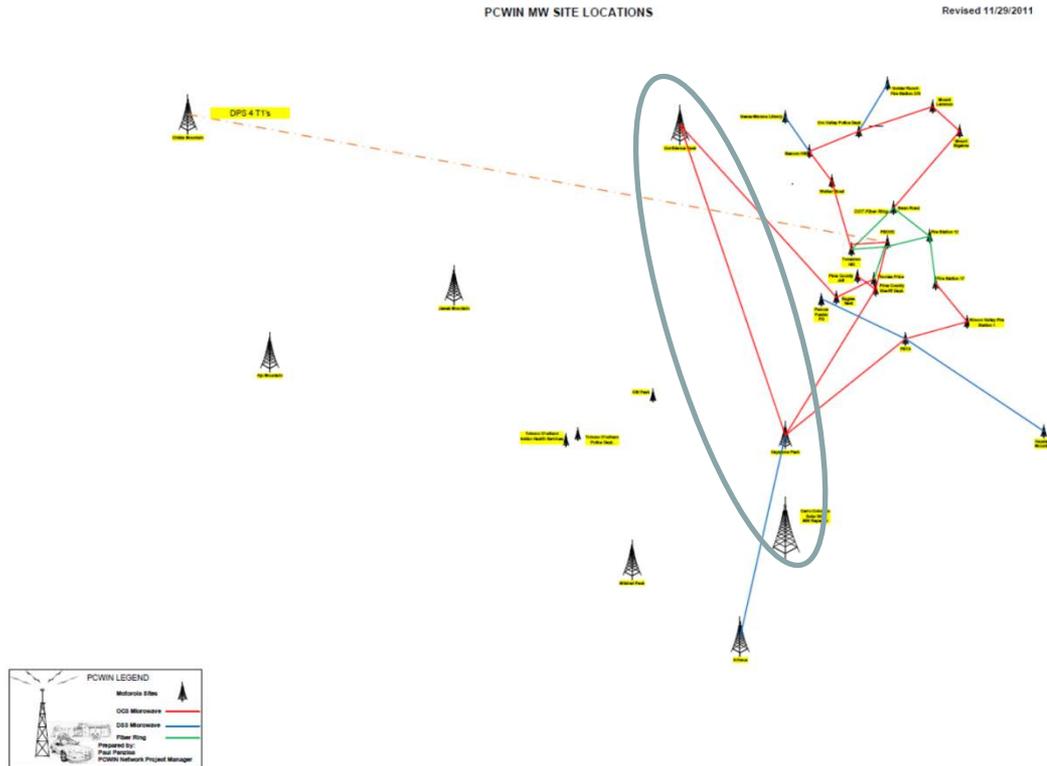
What is the Scope of Work?

- Upgrade includes 18 nodes
 - 12 nodes have chassis replacement
 - 6 nodes are card replacement only
 - Estimated 4 hours per site/node
- Upgrade team will meet daily at 0730
 - Team included: COT CM, COT IT, County, Motorola
 - Review previous days work
 - Review lessons learned
 - Review plan for current days work
 - Check schedule of outages
 - Assign additional technicians (if necessary)

What is the process?

- Two technicians assigned with a goal of completing one site per day.
 - This will minimize outages and increase system stability
- Daily schedule includes
 - Travel to node
 - Network monitoring
 - Outage and upgrade
 - Verify back on line
 - Status check PCWIN / Customer
 - Monitor Network Stability
 - Discuss site lessons learned
 - Prep for next days event

How will this affect my operations?

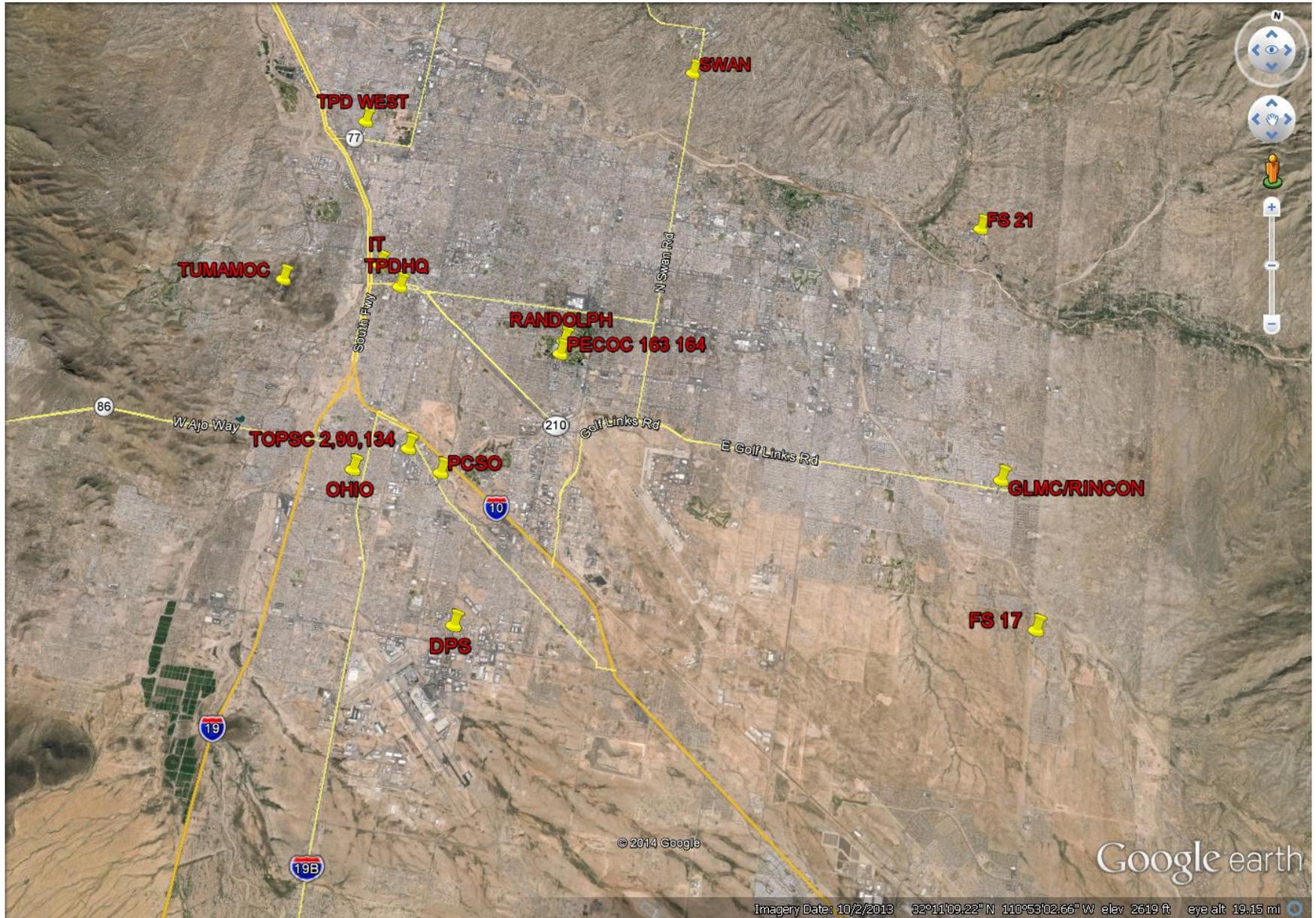


- Location
 - CCEQ...
- Time
 - June 27 1000-1400
- Work
 - Replacing card XXX,...
- Affect
 - Simulcast B down
 - No redundancy
- Mitigation
 - Talkgroup mgmt

What is the net benefit

- Will –
 - Have CISCO support 24 x 7.
 - Have modern repairable equipment.
 - Reduce unanticipated repair expense.
 - Meet SSA and PCWIN requirement for this ring.

All Sites Affected by SONENT Upgrade



Fire Station 21



Shelf, Fan Tray 1 optics card and 2 cross connects to be replaced.

*****Fire Station 21 Fire Alert on radio only**

*****LAN at FS21 down.**

PCWIN BIGELOW R1
PCWIN FS12 SIMUL S R1
PCWIN FS12 SIMUL T R1
PCWIN FS17 SIMUL S R1
PCWIN FS17 SIMUL T R1
PCWIN GOLDER R1 CC
PCWIN N2-N189 TEST
PCWIN OVPD DISP R1
PCWIN OVPD SIMUL N R1
PCWIN RVFD SIMUL S R1
PCWIN SWAN PRIME R1
PCWIN TUMAMOC PRIME R1
PCWIN UAPD DISP R1

The above are circuits are affected, but will not go down.

OHIO



COT Swan CB1
COT Swan CB2
PCWIN AJO DISP R2
PCWIN BEACON SIMUL N R1
PCWIN CHILDS R2
PCWIN EAGLE SIMUL S R1
PCWIN EAGLE SIMUL T R1
PCWIN MARANA SIMUL N R1
PCWIN PCCPD DISP R1
PCWIN PSTA SIMUL S R1
PCWIN PSTA SIMUL T R1
PCWIN RVFD SIMUL T R1
PCWIN SWAN T B R1
PCWIN TPSC SIMUL S R1
PCWIN TPSC SIMUL T R1
PCWIN TUMAMOC S A R1
PCWIN WALKER SIMUL N R1
Randolph CB1
Randolph CB2
TMC CB1
UMC CB1

Shelf, Fan Tray, and 4 optics cards to be replaced

*****South Tucson Hotline phone will be down**

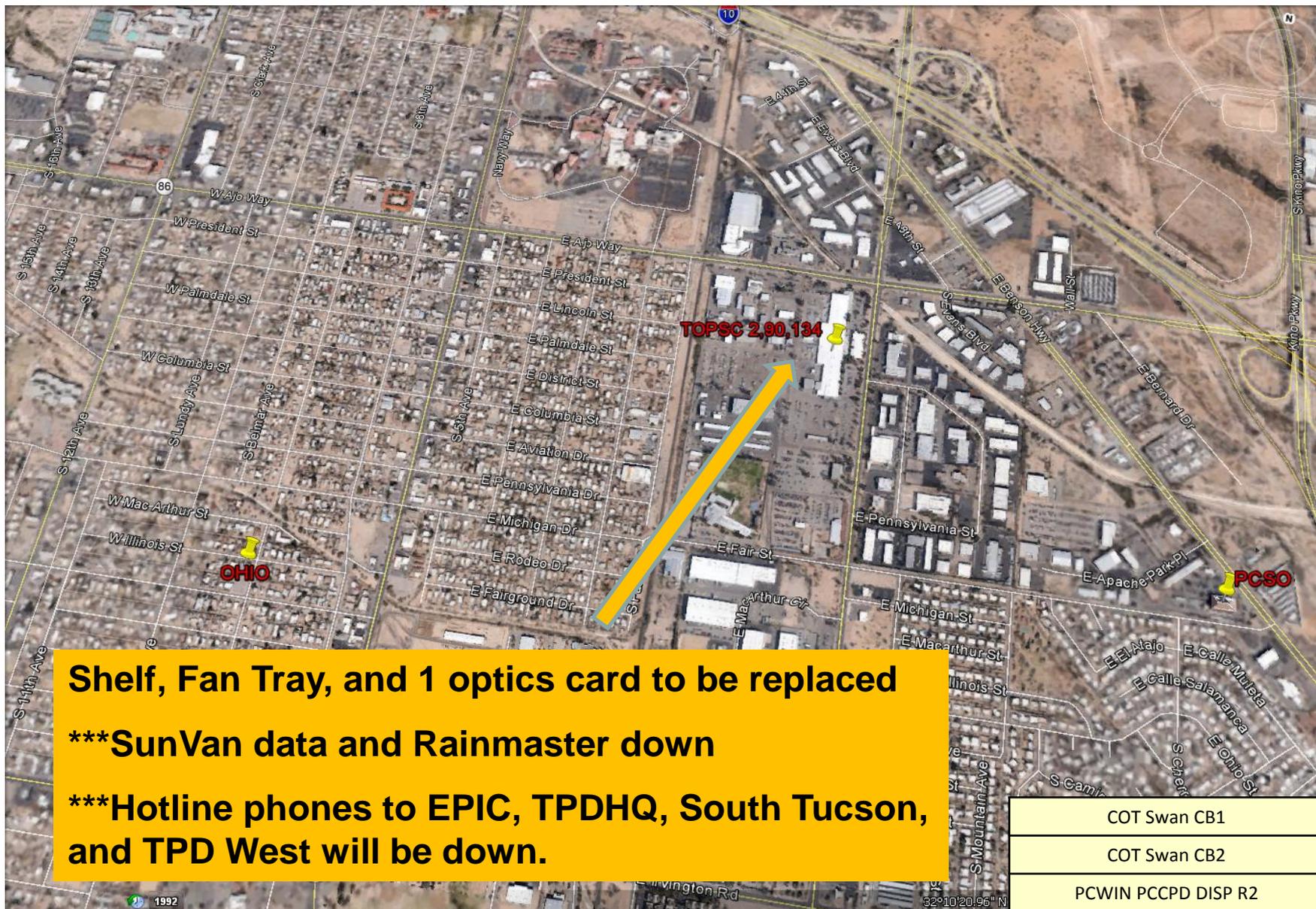
*****SunVan data will be down.**

*****Parks on GS4 STBY**

*****Hotlines and telemetry will be down at TMC and UMC**

The above are circuits are affected, but will not be down.

TOPSC CCEQ 134



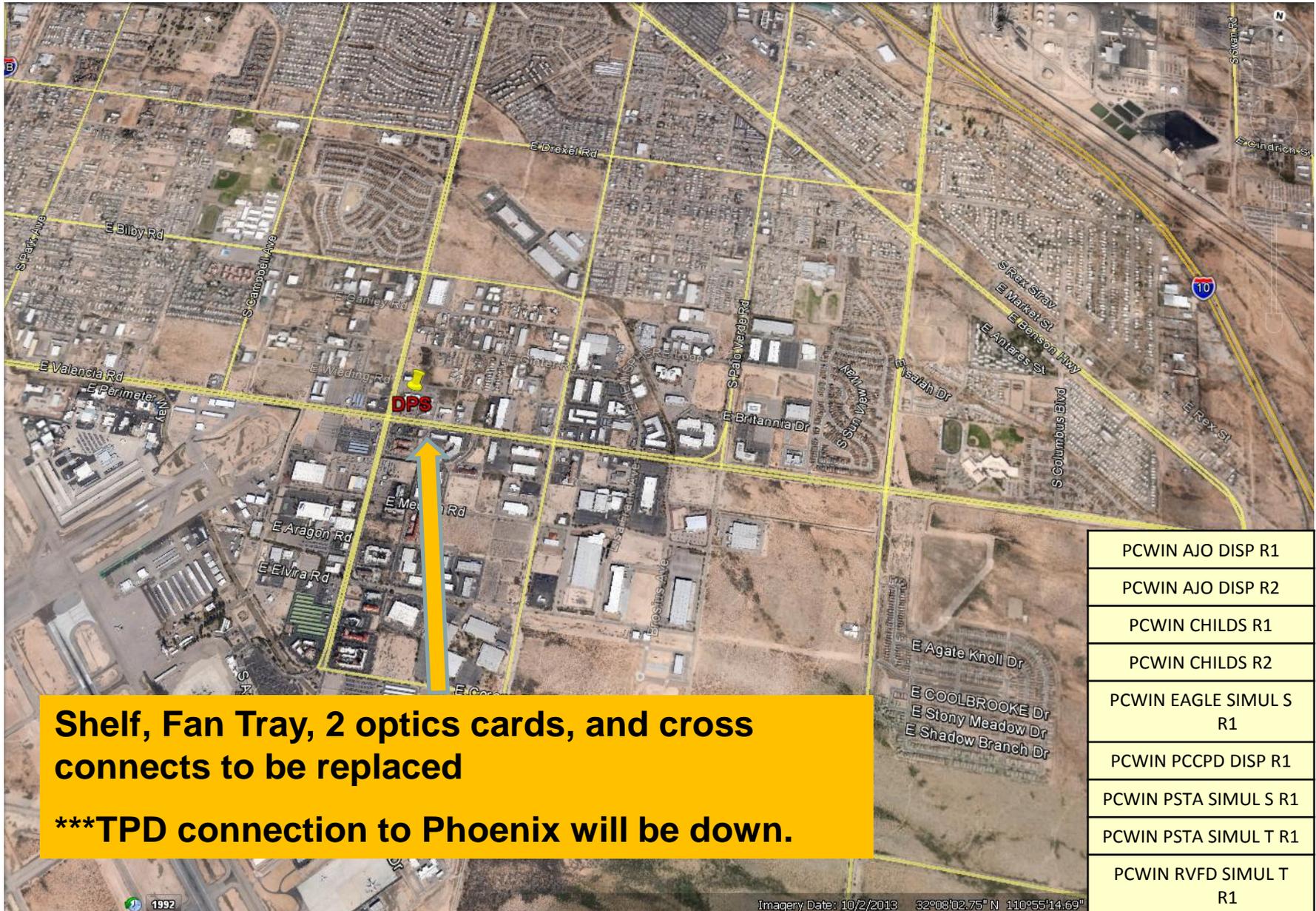
Shelf, Fan Tray, and 1 optics card to be replaced

***** SunVan data and Rainmaster down**

***** Hotline phones to EPIC, TPDHQ, South Tucson, and TPD West will be down.**

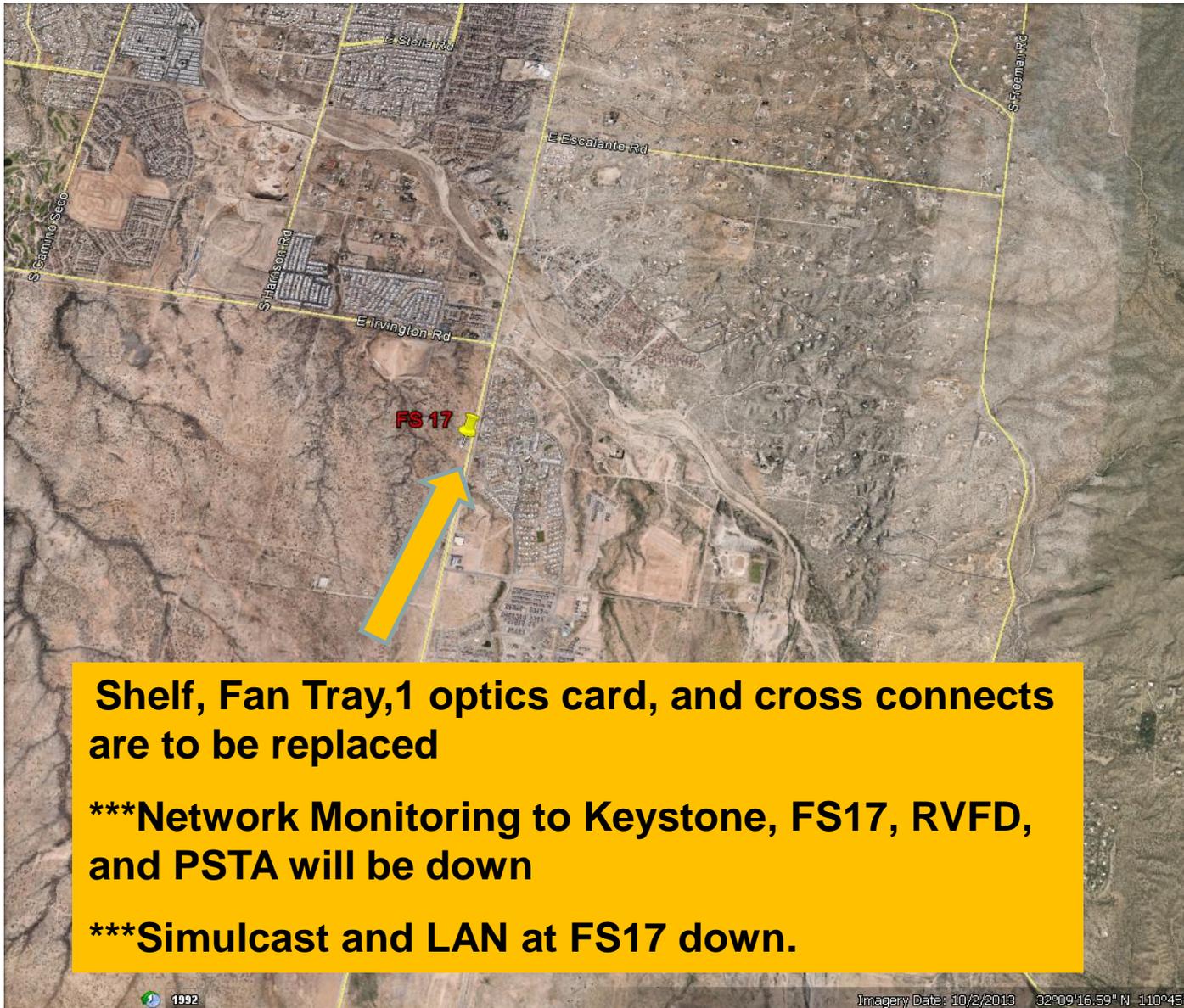
The above circuits are affected, but will not be down.

DPS



The Above circuits will be affected, but will not be down

Fire Station 17



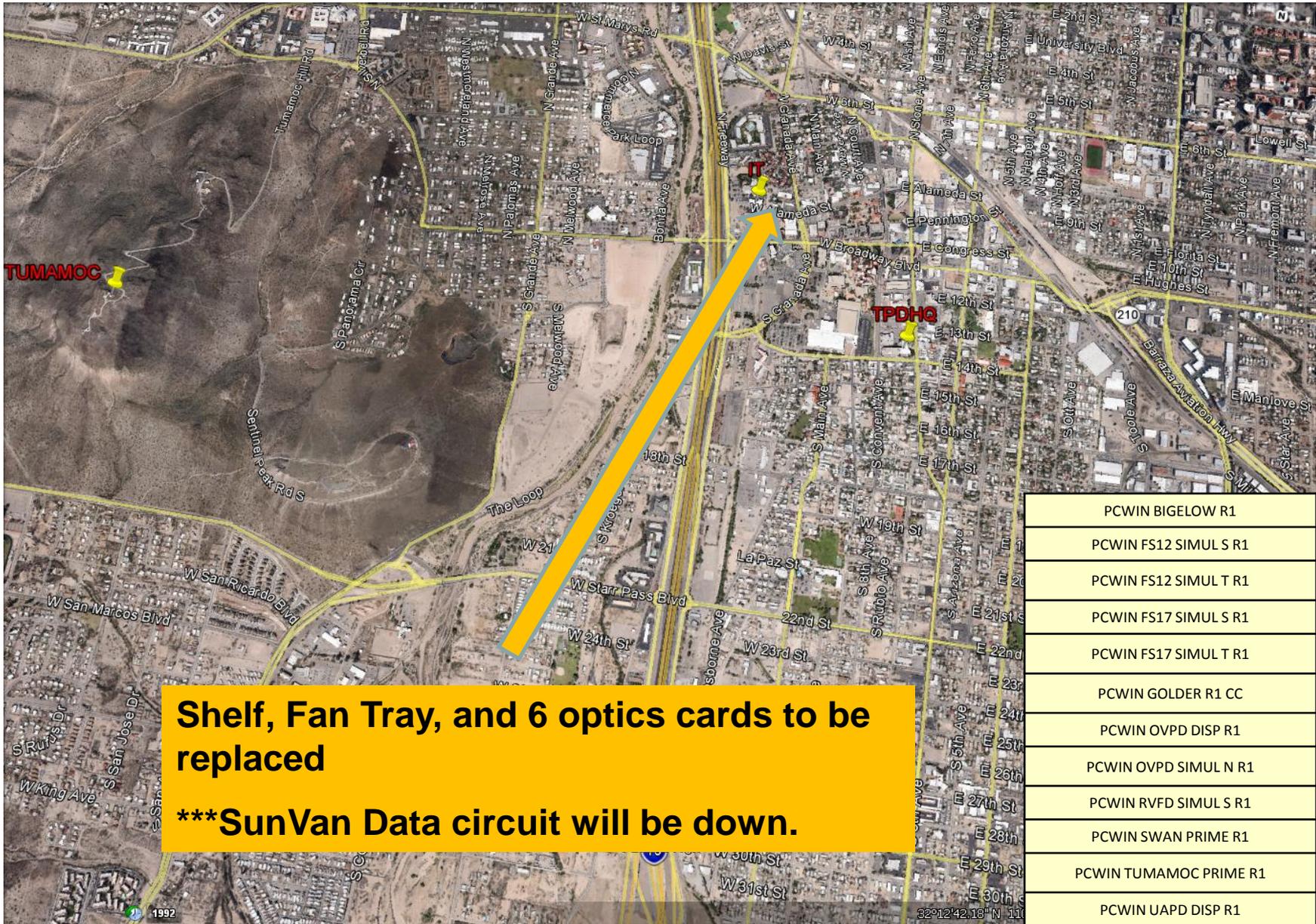
Shelf, Fan Tray, 1 optics card, and cross connects are to be replaced

*****Network Monitoring to Keystone, FS17, RVFD, and PSTA will be down**

*****Simulcast and LAN at FS17 down.**

PCWIN AJO DISP R1
PCWIN ARIVACA R1
PCWIN BIGELOW R1
PCWIN CHILDS R1
PCWIN CONFIDENCE R1
PCWIN EAGLE SIMUL T R2
PCWIN FS12 SIMUL S R2
PCWIN FS12 SIMUL T R2
PCWIN FS17 SIMUL S R1
PCWIN FS17 SIMUL S R2
PCWIN FS17 SIMUL T R1
PCWIN FS17 SIMUL T R2
PCWIN GOLDER R1 CC
PCWIN HAYSTACK R1 CC
PCWIN KEYSTONE R1
PCWIN OVPD DISP R1
PCWIN OVPD SIMUL N R1
PCWIN PASCUA DISP R1 CC
PCWIN PCCPD DISP R1
PCWIN RVFD SIMUL S R1
PCWIN RVFD SIMUL T R2
PCWIN SWAN PRIME R1
PCWIN TPSC DISP TFD 1 R1
PCWIN TPSC DISP TFD 2 R1
PCWIN TPSC DISP TPD 1 R1
PCWIN TPSC DISP TPD 2 R1
PCWIN TUMAMOC PRIME R1

The above circuits will be affected, but will not be down.



The Above circuits will be affected, but will not be down.

Tumamoc



Shelf, and Fan Tray to be replaced

*****NM to Bigelow, Beacon, Tumamoc, Walker, OVPD, and Swan will be down**

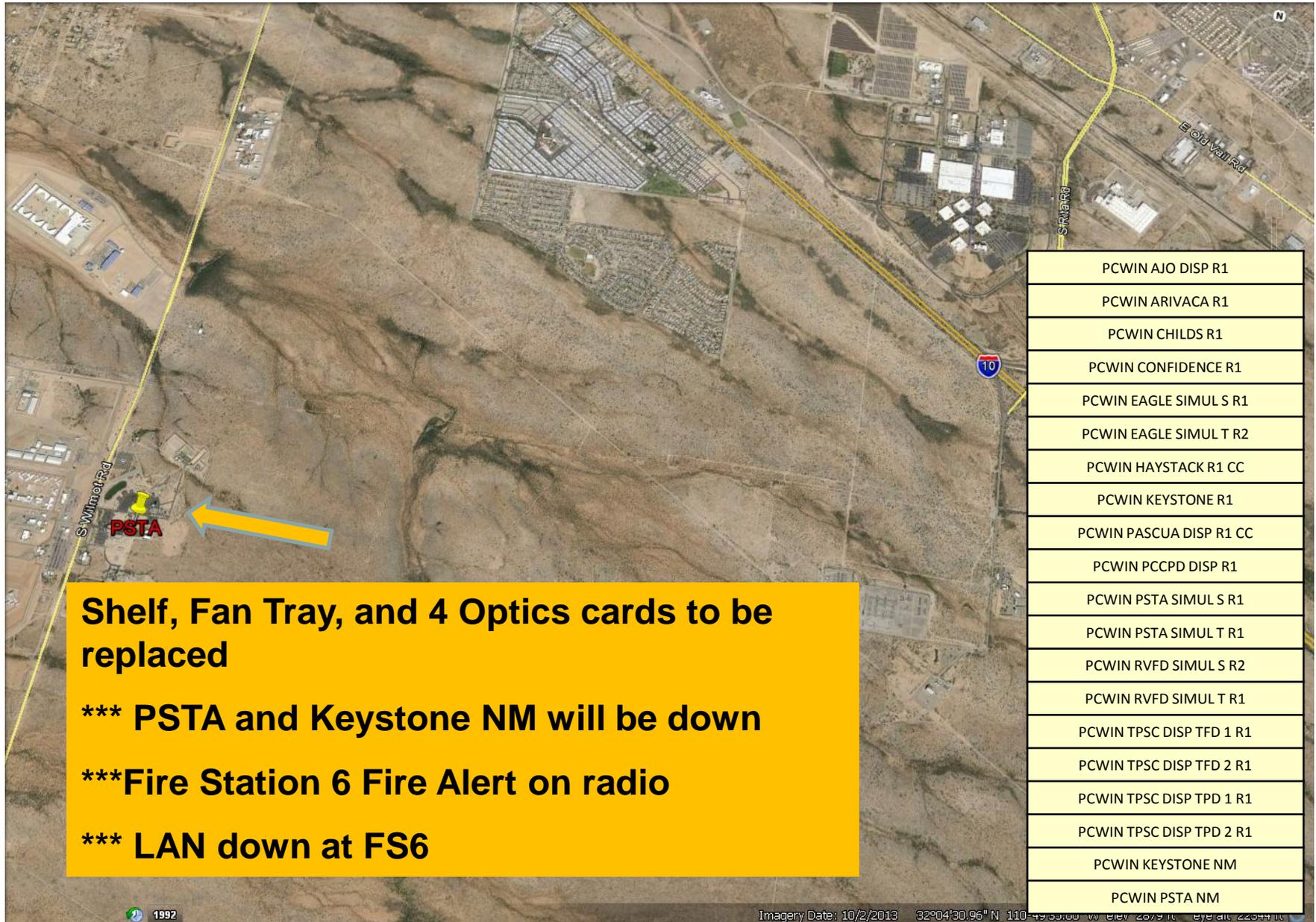
*****Dantel at KUAT will be down**

*****Simulcast B is down**

PCWIN PSTA SIMUL T R2	
PCWIN RVFD SIMUL S R2	
PCWIN RVFD SIMUL T R1	
PCWIN RVFD SIMUL T R2	
PCWIN SWAN PRIME R2	
PCWIN SWAN T B R1	
PCWIN SWAN T B R2	
PCWIN TPSC SIMUL S R2	COT Swan
PCWIN TPSC SIMUL T R1	PCWIN BEACON SIMUL N R1
PCWIN TPSC SIMUL T R2	PCWIN BIGELOW R2
PCWIN TUMAMOC PRIME R1	PCWIN EAGLE SIMUL S R2
PCWIN TUMAMOC PRIME R2	PCWIN EAGLE SIMUL T R1
PCWIN TUMAMOC S A R1	PCWIN EAGLE SIMUL T R2
PCWIN TUMAMOC S A R2	PCWIN FS12 SIMUL S R2
PCWIN UAPD DISP R2	PCWIN FS12 SIMUL T R1
PCWIN WALKER SIMUL N R1	PCWIN FS12 SIMUL T R2
TUMAMOC HILL KUAT	PCWIN FS17 SIMUL S R2
PCWIN BIGELOW NM	PCWIN FS17 SIMUL T R1
PCWIN NM BEACON	PCWIN FS17 SIMUL T R2
PCWIN NM TUMAMOC	PCWIN GOLDER R2 CC
PCWIN NM WALKER	PCWIN MARANA SIMUL N R1
PCWIN OVPD NM	PCWIN OVPD DISP R2
PCWIN SWAN NM	PCWIN OVPD SIMUL N R2
TUMAMOC KUAT 143	PCWIN PSTA SIMUL S R2
	PCWIN PSTA SIMUL T R1

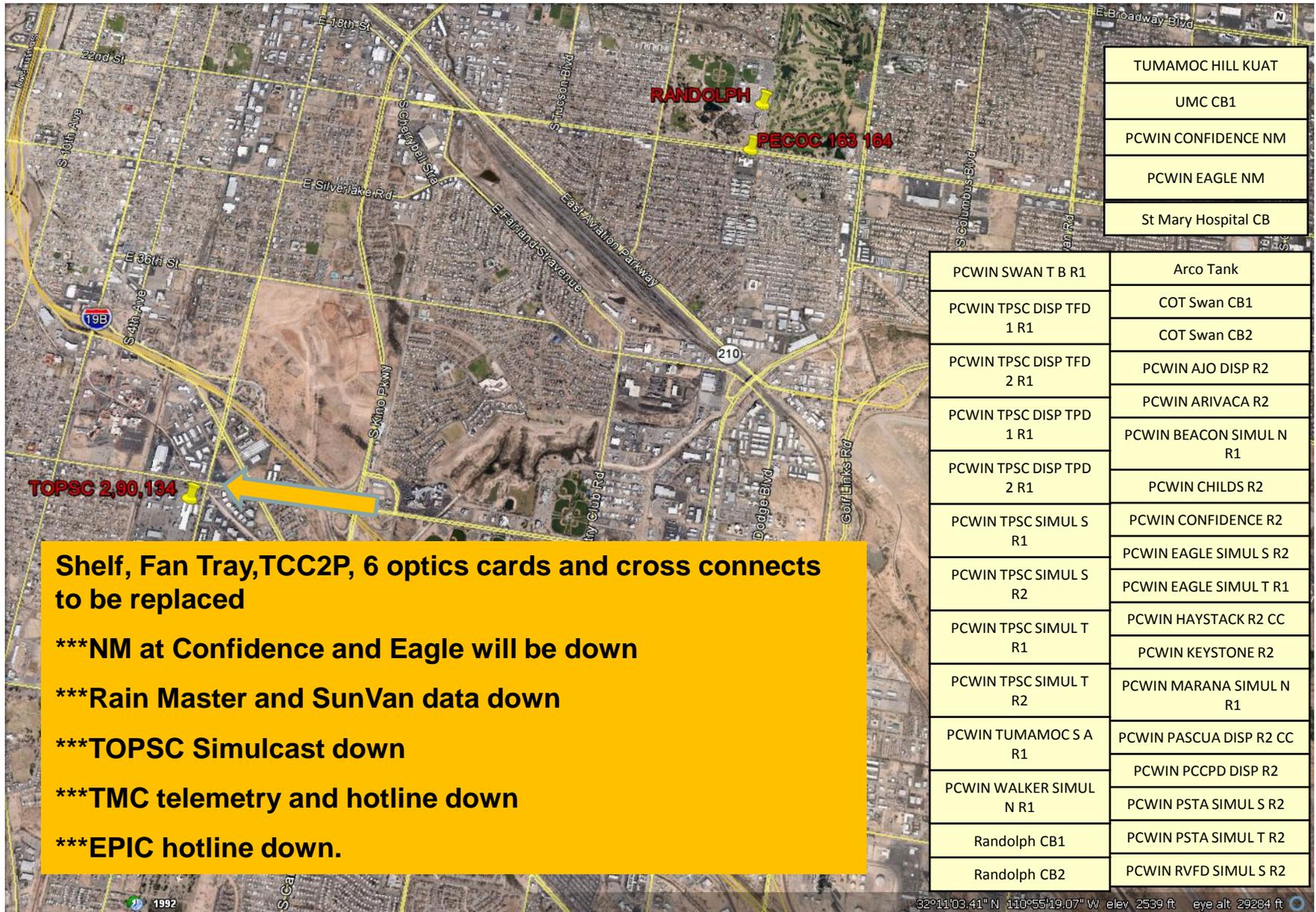
The above circuits will be affected, But will not be down.

PSTA 29



The above Circuits will be affected, but will not be down.

TOPSC 2



TUMAMOC HILL KUAT
UMC CB1
PCWIN CONFIDENCE NM
PCWIN EAGLE NM
St Mary Hospital CB

PCWIN SWAN T B R1	Arco Tank
PCWIN TPSC DISP TFD 1 R1	COT Swan CB1
	COT Swan CB2
PCWIN TPSC DISP TFD 2 R1	PCWIN AJO DISP R2
	PCWIN ARIVACA R2
PCWIN TPSC DISP TPD 1 R1	PCWIN BEACON SIMUL N R1
PCWIN TPSC DISP TPD 2 R1	PCWIN CHILDS R2
	PCWIN CONFIDENCE R2
PCWIN TPSC SIMUL S R1	PCWIN EAGLE SIMUL S R2
PCWIN TPSC SIMUL S R2	PCWIN EAGLE SIMUL T R1
	PCWIN HAYSTACK R2 CC
PCWIN TPSC SIMUL T R1	PCWIN KEYSTONE R2
PCWIN TPSC SIMUL T R2	PCWIN MARANA SIMUL N R1
	PCWIN PASCUA DISP R2 CC
PCWIN TUMAMOC S A R1	PCWIN PCCPD DISP R2
	PCWIN PSTA SIMUL S R2
PCWIN WALKER SIMUL N R1	PCWIN PSTA SIMUL T R2
	PCWIN RVFD SIMUL S R2
Randolph CB1	
Randolph CB2	

Shelf, Fan Tray, TCC2P, 6 optics cards and cross connects to be replaced

*****NM at Confidence and Eagle will be down**

*****Rain Master and SunVan data down**

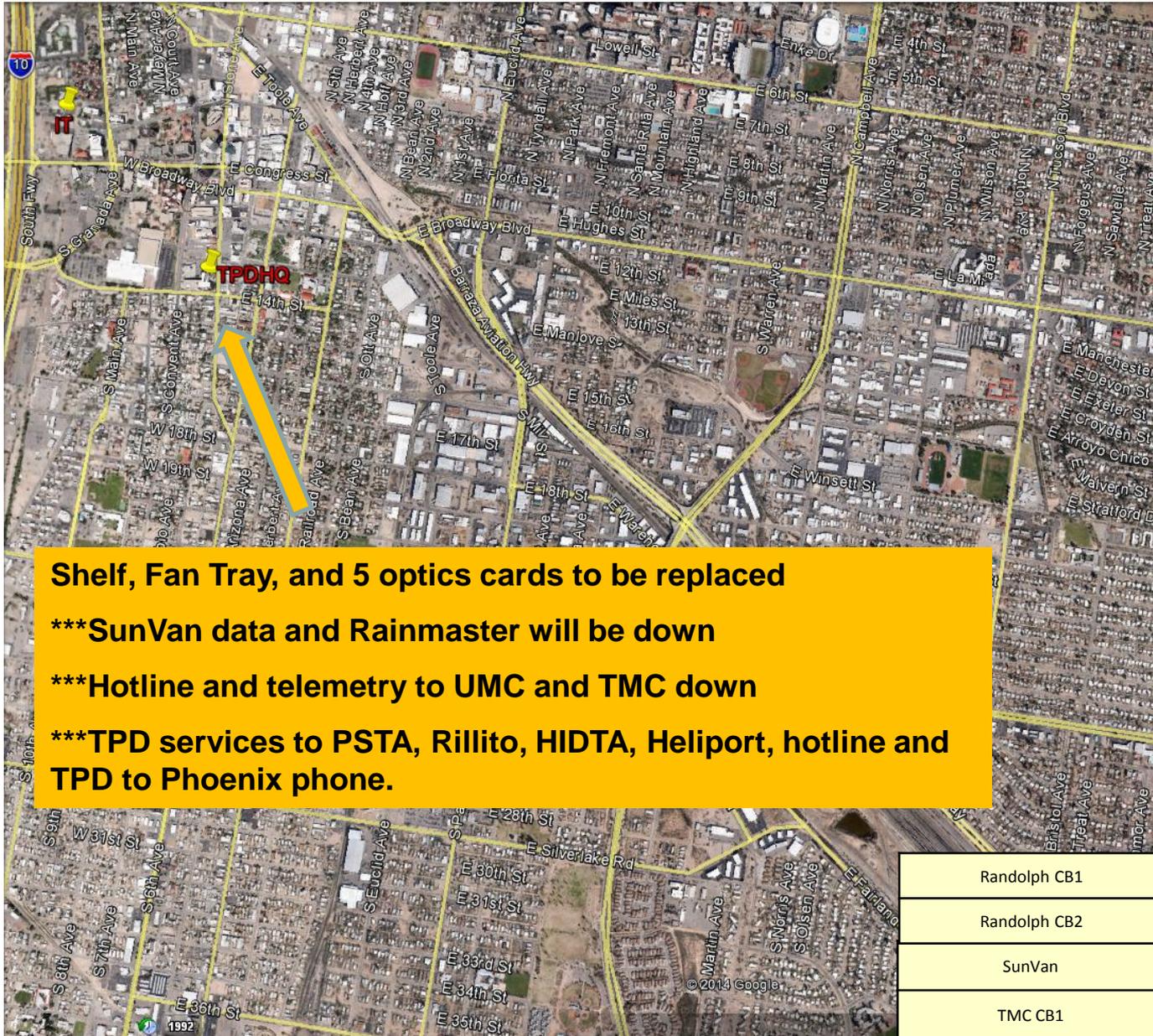
*****TOPSC Simulcast down**

*****TMC telemetry and hotline down**

*****EPIC hotline down.**

These circuits will be affected, but will not be down.

TPDHQ



UMC CB1
COT Swan CB1
COT Swan CB2
PCWIN BEACON SIMUL N R1
PCWIN BIGELOW R1
PCWIN EAGLE SIMUL S R1
PCWIN EAGLE SIMUL T R1
PCWIN FS12 SIMUL S R1
PCWIN FS12 SIMUL T R1
PCWIN FS17 SIMUL S R1
PCWIN FS17 SIMUL T R1
PCWIN GOLDER R1 CC
PCWIN MARANA SIMUL N R1
PCWIN OVPD DISP R1
PCWIN OVPD SIMUL N R1
PCWIN PSTA SIMUL S R1
PCWIN PSTA SIMUL T R1
PCWIN RVFD SIMUL S R1
PCWIN RVFD SIMUL T R1
PCWIN SWAN PRIME R1
PCWIN SWAN T B R1
PCWIN TPSC SIMUL S R1
PCWIN TPSC SIMUL T R1
PCWIN TUMAMOC PRIME R1
PCWIN TUMAMOC S A R1
PCWIN UAPD DISP R1
PCWIN WALKER SIMUL N R1
Randolph CB1
Randolph CB2
SunVan
TMC CB1

Shelf, Fan Tray, and 5 optics cards to be replaced

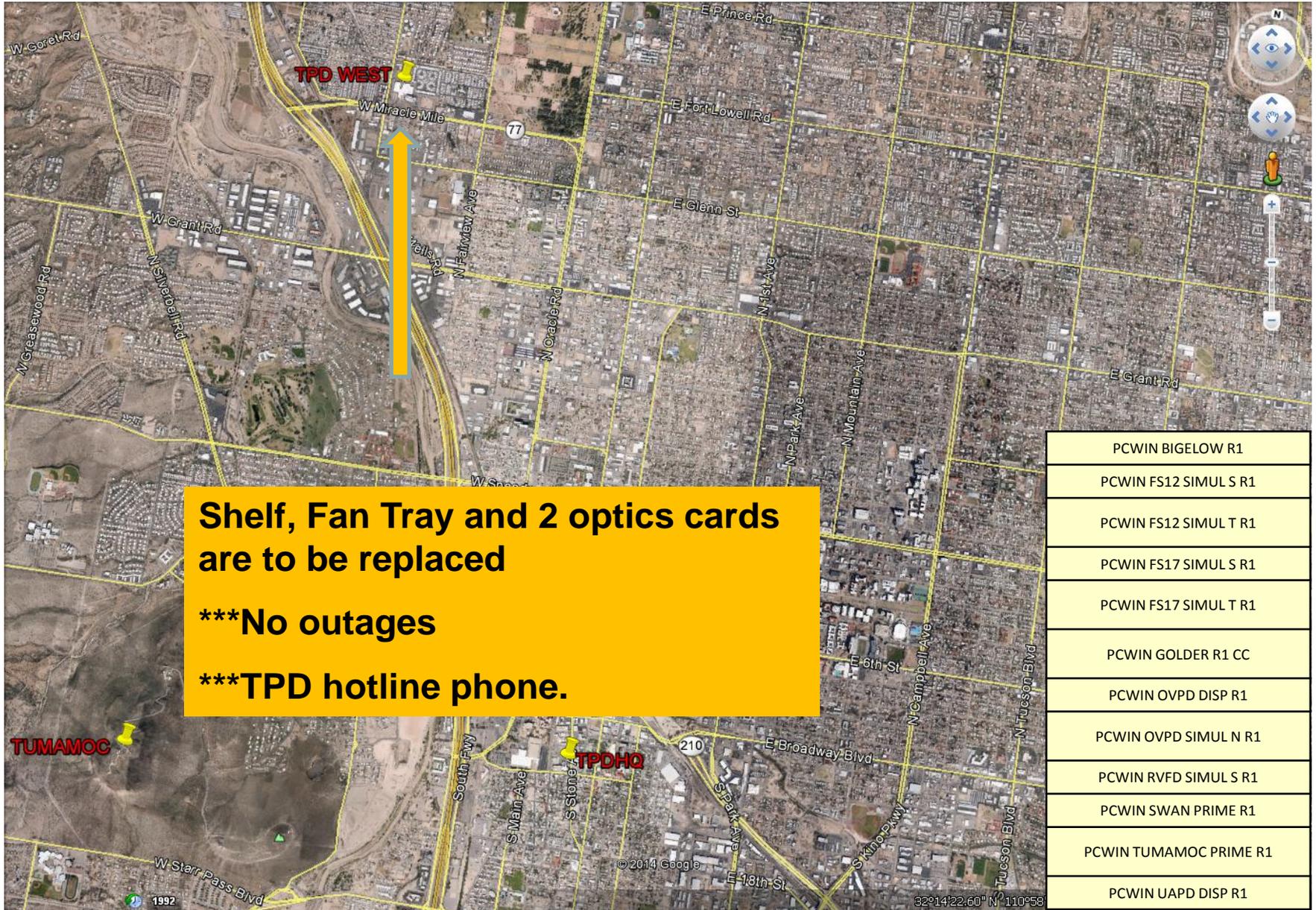
*****SunVan data and Rainmaster will be down**

*****Hotline and telemetry to UMC and TMC down**

*****TPD services to PSTA, Rillito, HIDTA, Heliport, hotline and TPD to Phoenix phone.**

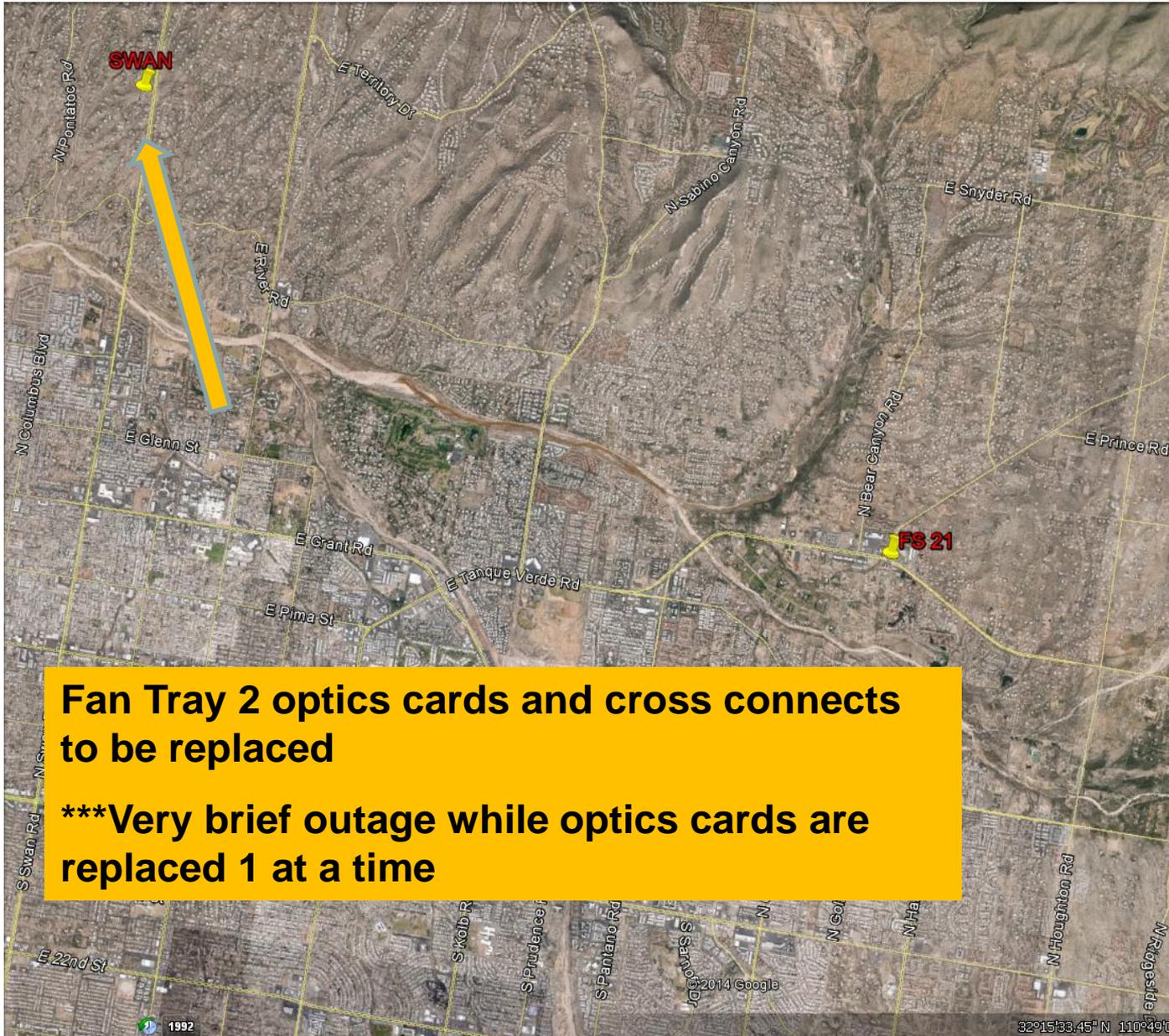
These circuits will be affected, but will not be down.

TPD West



These circuits will be affected, but will not be down

SWAN



PCWIN PSTA SIMUL S R1
PCWIN PSTA SIMUL T R1
PCWIN RVFD SIMUL S R1
PCWIN RVFD SIMUL T R1
PCWIN SWAN PRIME R1
PCWIN SWAN T B R1
PCWIN TPSC SIMUL S R1
PCWIN TPSC SIMUL T R1
PCWIN TUMAMOC PRIME R1
PCWIN TUMAMOC S A R1
PCWIN UAPD DISP R2
PCWIN WALKER SIMUL N R1
SunVan
TMC CB1
COT Swan CB1
COT Swan CB2
PCWIN BEACON SIMUL N R1
PCWIN BIGELOW R1
PCWIN EAGLE SIMUL S R1
PCWIN EAGLE SIMUL T R1
PCWIN FS12 SIMUL S R1
PCWIN FS12 SIMUL T R1
PCWIN FS17 SIMUL S R1
PCWIN FS17 SIMUL T R1
PCWIN GOLDER R1 CC
PCWIN MARANA SIMUL N R1
PCWIN OVPD DISP R1
PCWIN OVPD SIMUL N R1

These circuits will be affected, but will not be down.

PCSO



Fan Tray, 2 optics cards and cross connects to be replaced

*****Very brief outage while optics cards are replaced 1 at a time**

PCWIN JAIL DISP R1
PCWIN JAIL DISP R2
PCWIN NM JAIL

These circuits will be affected, but will not be down.

PECOC 163

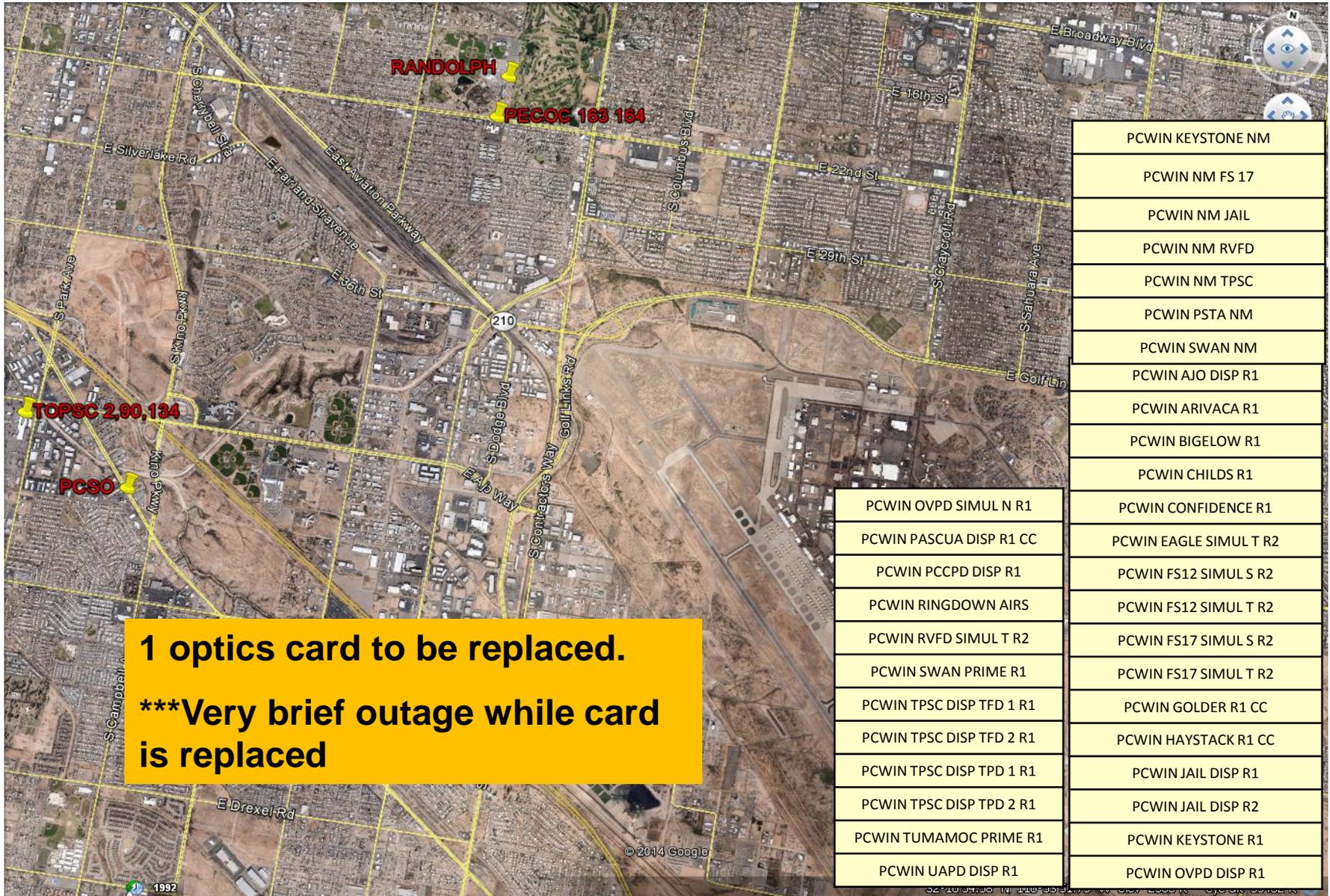
Fan tray and 3 optics cards to be replaced

*****Very brief outages while optics cards are replaced 1 at a time**

PCWIN RVFD SIMUL S R2	
PCWIN RVFD SIMUL T R2	PCWIN AJO DISP R2
PCWIN SWAN PRIME R2	PCWIN ARIVACA R2
PCWIN SWAN T B R1	PCWIN BEACON SIMUL N R1
PCWIN TPSC DISP TFD 1 R2	PCWIN BIGELOW R2
PCWIN TPSC DISP TFD 2 R2	PCWIN CHILDS R2
PCWIN TPSC DISP TPD 1 R2	PCWIN CONFIDENCE R2
PCWIN TPSC DISP TPD 2 R2	PCWIN EAGLE SIMUL S R2
PCWIN TPSC SIMUL S R2	PCWIN EAGLE SIMUL T R2
PCWIN TPSC SIMUL T R2	PCWIN FS12 SIMUL S R2
PCWIN TUMAMOC PRIME R2	PCWIN FS12 SIMUL T R2
PCWIN TUMAMOC S A R1	PCWIN FS17 SIMUL S R2
PCWIN UAPD DISP R2	PCWIN FS17 SIMUL T R2
PCWIN WALKER SIMUL N R1	PCWIN GOLDER R2 CC
TUMAMOC HILL KUAT	PCWIN HAYSTACK R2 CC
PCWIN BIGELOW NM	PCWIN JAIL DISP R2
PCWIN CONFIDENCE NM	PCWIN KEYSTONE R2
PCWIN EAGLE NM	PCWIN MARANA SIMUL N R1
PCWIN NM BEACON	PCWIN OVPD DISP R2
PCWIN NM TPSC	PCWIN OVPD SIMUL N R2
PCWIN NM TUMAMOC	PCWIN PASCUA DISP R2 CC
PCWIN NM WALKER	PCWIN PCCPD DISP R2
PCWIN OVPD NM	PCWIN PSTA SIMUL S R2
PCWIN SWAN NM	PCWIN PSTA SIMUL T R2
TUMAMOC KUAT 143	PCWIN RINGDOWN AIRS

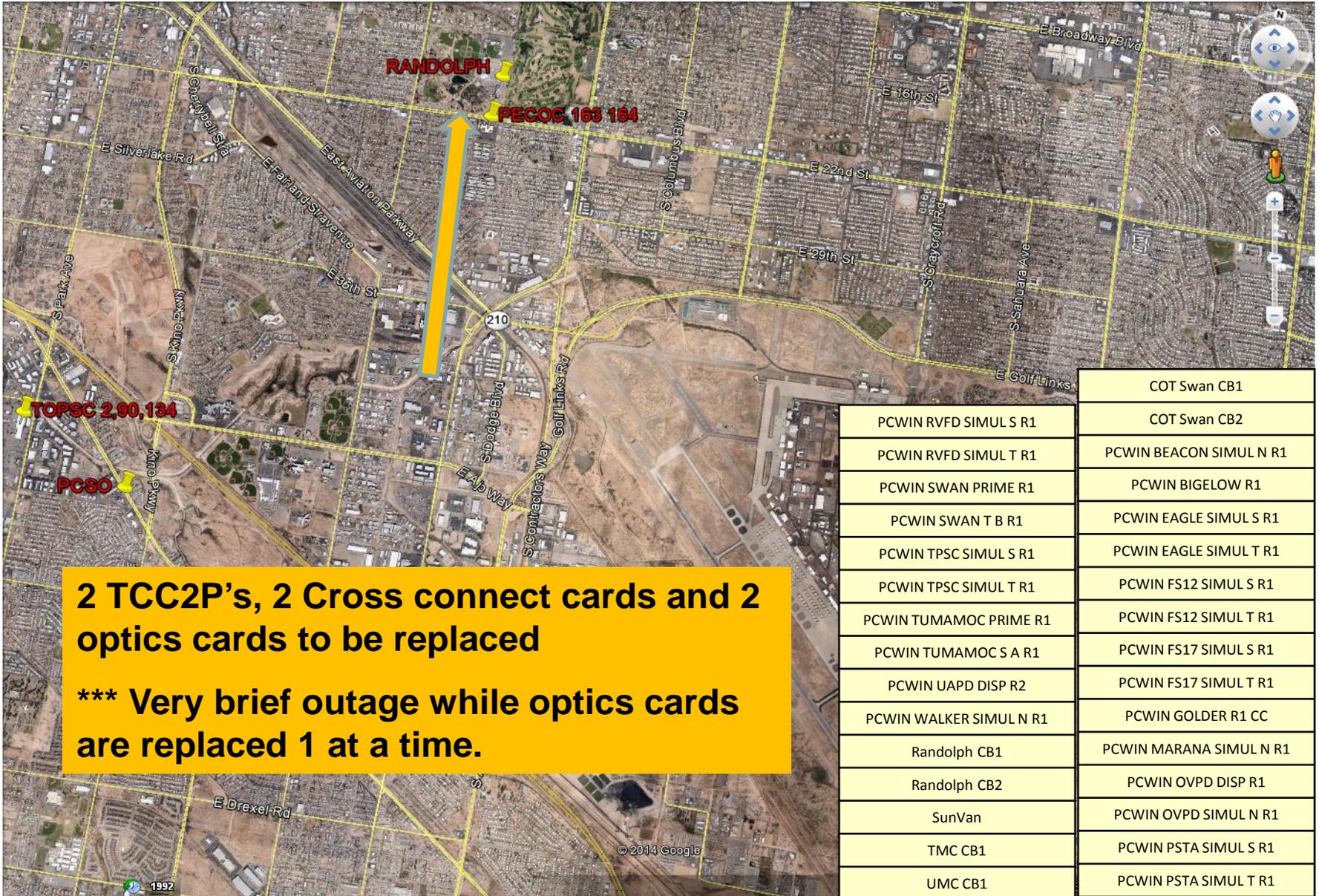
These circuits will be affected, but will not be down.

PECOC 164



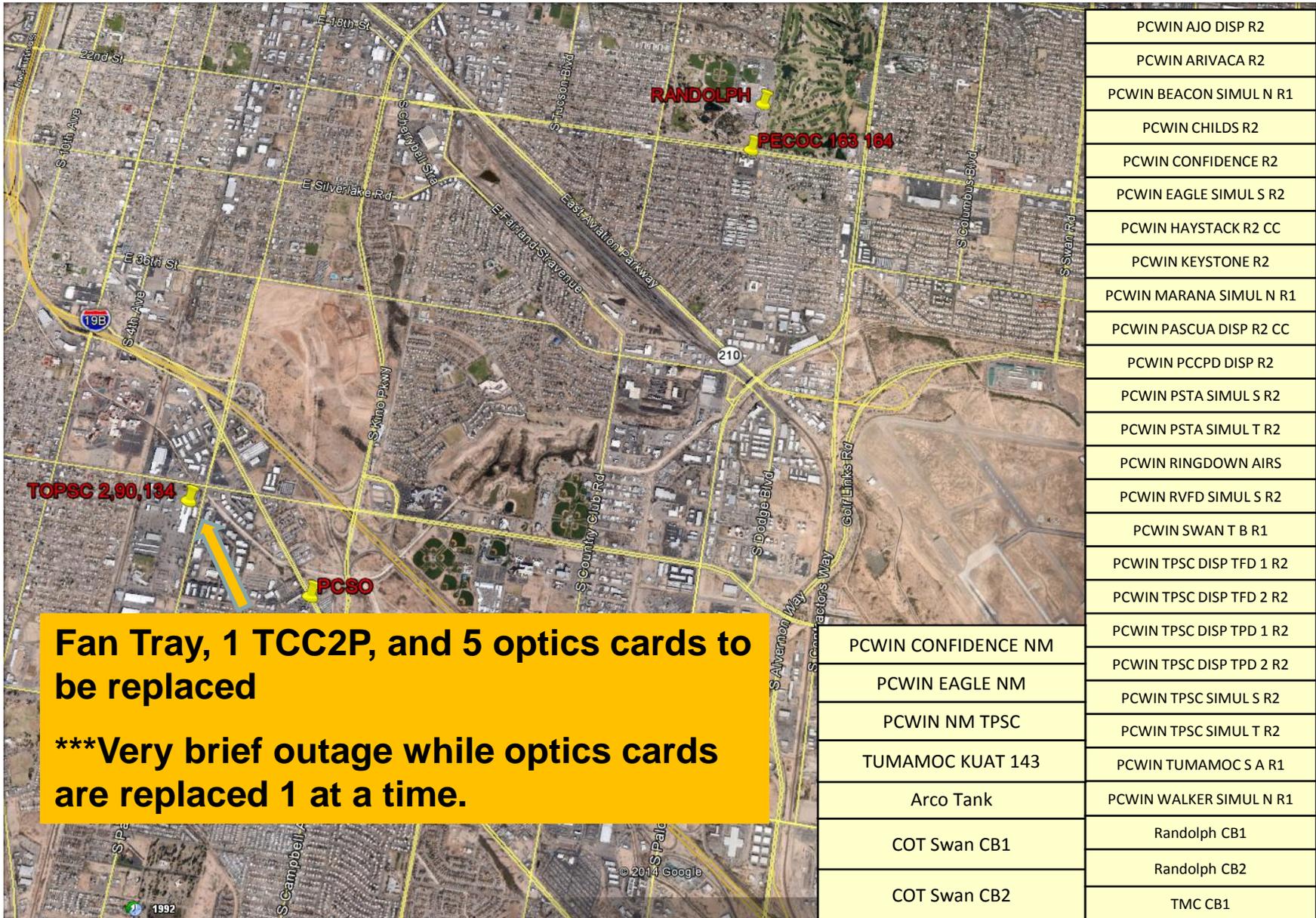
These circuits will be affected, but will not be down.

Randolph



These circuits will be affected, but will not be down.

TOPSC 90



Fan Tray, 1 TCC2P, and 5 optics cards to be replaced

*****Very brief outage while optics cards are replaced 1 at a time.**

PCWIN AJO DISP R2
PCWIN ARIVACA R2
PCWIN BEACON SIMUL N R1
PCWIN CHILDS R2
PCWIN CONFIDENCE R2
PCWIN EAGLE SIMUL S R2
PCWIN HAYSTACK R2 CC
PCWIN KEYSTONE R2
PCWIN MARANA SIMUL N R1
PCWIN PASCUA DISP R2 CC
PCWIN PCCPD DISP R2
PCWIN PSTA SIMUL S R2
PCWIN PSTA SIMUL T R2
PCWIN RINGDOWN AIRS
PCWIN RVFD SIMUL S R2
PCWIN SWAN T B R1
PCWIN TPSC DISP TFD 1 R2
PCWIN TPSC DISP TFD 2 R2
PCWIN TPSC DISP TPD 1 R2
PCWIN TPSC DISP TPD 2 R2
PCWIN TPSC SIMUL S R2
PCWIN TPSC SIMUL T R2
PCWIN TUMAMOC S A R1
PCWIN WALKER SIMUL N R1
Randolph CB1
Randolph CB2
TMC CB1

These circuits will be affected, but will not be down