ATTACHMENT A.1

DRAFT REQUEST FOR PROPOSALS (RFP) 0-2272

ENTERPRISE ASSET MANAGEMENT SYSTEM

ORANGE COUNTY TRANSPORTATION AUTHORITY
550 South Main Street
P.O. Box 14184
Orange, CA 92863-1584
(714) 560-6282

Key RFP Dates

Issue Date:	**June 8, 2020**
Pre-Proposal Conference Date:	**June 15, 2020**
Question Submittal Date:	**June 17, 2020**
Proposal Submittal Date:	**July 8, 2020**
Interview/Demo Date:	**August 11, 2020**

TABLE OF CONTENTS

SECTION I: INSTRUCTIONS TO OFFERORS 1

SECTION II: PROPOSAL CONTENT 8

SECTION III: EVALUATION AND AWARD 17

EXHIBIT A: SCOPE OF WORK 21

EXHIBIT B: COST AND PRICE FORMS 22

EXHIBIT C: PROPOSED AGREEMENT 23

EXHIBIT D: STATUS OF PAST AND PRESENT CONTRACTS FORM 24

EXHIBIT E: CAMPAIGN CONTRIBUTION DISCLOSURE FORM 24

EXHIBIT F: SAFETY SPECIFICATIONS 31

EXHIBIT G: PROPOSAL EXCEPTIONS AND/OR DEVIATIONS 32

EXHIBIT H: PUBLIC RECORDS ACT INDEMNIFICATION – PROPOSAL DOCUMENTS 34

June 8, 2020

<u>NOTICE OF REQUEST FOR PROPOSALS</u>

(RFP): 0-2272: "ENTERPRISE ASSET MANAGEMENT SYSTEM"

TO: ALL OFFERORS

FROM: ORANGE COUNTY TRANSPORTATION AUTHORITY

The Orange County Transportation Authority (Authority) invites proposals from qualified consultants to provide an Enterprise Asset Management (EAM) system.

Proposals must be received in the Authority's office at or before 2:00 p.m. on July 8, 2020.

Proposals delivered in person or by a means other than the U.S. Postal Service shall be submitted to the following:

Orange County Transportation Authority
Contracts Administration and Materials Management
600 South Main Street, (Lobby Receptionist)
Orange, California 92868
Attention: Masih Bahadori, Principal Contract Administrator

Proposals delivered using the U.S. Postal Service shall be addressed as follows:

Orange County Transportation Authority
Contracts Administration and Materials Management
P.O. Box 14184
Orange, California 92863-1584
Attention: Masih Bahadori, Principal Contract Administrator

Note: The Authority utilizes a third-party delivery service; therefore, please anticipate a 48-hour delay in delivery of proposals mailed to the P.O. Box listed above. Proposals are considered received once time stamped at the Authority's physical address.

Proposals and amendments to proposals received after the date and time specified above will be returned to the Offerors unopened.

Firms interested in obtaining a copy of this Request for Proposals (RFP) may do so by downloading the RFP from CAMM NET at https://cammnet.octa.net.

All firms interested in doing business with the Authority are required to register their business on-line at CAMM NET. The website can be found at https://cammnet.octa.net. From the site menu, click on CAMM NET to register.

To receive all further information regarding this RFP 0-2272, firms and subconsultants must be registered on CAMM NET with at least one of the following commodity codes for this solicitation selected as part of the vendor's on-line registration profile:

Category:	Commodity:
Computer: Hardware & Software	Business Software
	Computer: Hardware & Software
	Database Software
	Enterprise Asset Management (EAM) Software
	Enterprise Software - General
Professional Consulting	Computer Software Consulting
Professional Services	Software Maintenance / Support

A pre-proposal conference will be held on June 15, 2020, at 10:00 a.m. via Skype for Business by using the following link:

https://meet.octa.net/mbahadori/Y38JSNGD.

For audio only, Offerors may use the following phone and number conference identification code:

Phone: (714) 560-5666
Conference ID: 20894#

All prospective Offerors are encouraged to attend the pre-proposal conference.

The Authority has established August 11, 2020, as the date to conduct interviews/demos. All prospective Offerors will be asked to keep this date available.

Offerors are encouraged to subcontract with small businesses to the maximum extent possible.

All Offerors will be required to comply with all applicable equal opportunity laws and regulations.

The award of this contract is subject to receipt of federal, state and/or local funds adequate to carry out the provisions of the proposed agreement including the identified Scope of Work.

SECTION I: INSTRUCTIONS TO OFFERORS

SECTION I. INSTRUCTIONS TO OFFERORS

A. PRE-PROPOSAL CONFERENCE

A pre-proposal conference will be held on June 15, 2020, at 10:00 a.m. via Skype for Business by using the following link:

https://meet.octa.net/mbahadori/Y38JSNGD.

For audio only, Offerors may use the following phone and number conference identification code:

Phone: (714) 560-5666
Conference ID: 20894#

B. EXAMINATION OF PROPOSAL DOCUMENTS

By submitting a proposal, Offeror represents that it has thoroughly examined and become familiar with the work required under this RFP and that it is capable of performing quality work to achieve the Authority's objectives.

C. ADDENDA

The Authority reserves the right to revise the RFP documents. Any Authority changes to the requirements will be made by written addendum to this RFP. Any written addenda issued pertaining to this RFP shall be incorporated into the terms and conditions of any resulting Agreement. The Authority will not be bound to any modifications to or deviations from the requirements set forth in this RFP as the result of oral instructions. Offerors shall acknowledge receipt of addenda in their proposals. Failure to acknowledge receipt of Addenda may cause the proposal to be deemed non-responsive to this RFP and be rejected.

D. AUTHORITY CONTACT

All communication and/or contacts with Authority staff regarding this RFP are to be directed to the following Contract Administrator:

Masih Bahadori, Principal Contract Administrator
Contracts Administration and Materials Management Department
600 South Main Street
P.O. Box 14184
Orange, CA 92863-1584
Phone: 714.560. 5841, Fax: 714.560.5792
Email: mbahadori@octa.net

Commencing on the date of the issuance of this RFP and continuing until award of the contract or cancellation of this RFP, no proposer, subcontractor, lobbyist or agent hired by the proposer shall have any contact or communications regarding this RFP with any Authority's staff; member of the evaluation committee for this RFP; or any contractor or consultant involved with the procurement, other than the Contract Administrator named above or unless expressly permitted by this RFP. Contact includes face-to-face, telephone, electronic mail (e-mail) or formal written communication. Any proposer, subcontractor, lobbyist or agent hired by the proposer that engages in such prohibited communications may result in disqualification of the proposer at the sole discretion of the Authority. mbahadori@octa.net

E. CLARIFICATIONS

1. Examination of Documents

Should an Offeror require clarifications of this RFP, the Offeror shall notify the Authority in writing in accordance with Section E.2. below. Should it be found that the point in question is not clearly and fully set forth, the Authority will issue a written addendum clarifying the matter which will be sent to all firms registered on CAMM NET under the commodity codes specified in this RFP.

2. Submitting Requests

a. All questions, including questions that could not be specifically answered at the pre-proposal conference must be put in writing and must be received by the Authority no later than 5:00 p.m., on June 17, 2020.

b. Requests for clarifications, questions and comments must be clearly labeled, "Written Questions". The Authority is not responsible for failure to respond to a request that has not been labeled as such.

c. Any of the following methods of delivering written questions are acceptable as long as the questions are received no later than the date and time specified above:

(1) U.S. Mail: Orange County Transportation Authority, 550 South Main Street, P.O. Box 14184, Orange, California 92863-1584.

(2) Personal Delivery: Contracts Administration and Materials Management Department, 600 South Main Street, Lobby Receptionist, Orange, California 92868.

(3) Facsimile: (714) 560-5792.

(4) Email: mbahadori@octa.net

3. Authority Responses

Responses from the Authority will be posted on CAMM NET, no later than June 23, 2020. Offerors may download responses from CAMM NET at *https://cammnet.octa.net*, or request responses be sent via U.S. Mail by emailing or faxing the request to Masih Bahadori, Principal Contract Administrator.

To receive email notification of Authority responses when they are posted on CAMM NET, firms and subconsultants must be registered on CAMM NET with at least one of the following commodity codes for this solicitation selected as part of the vendor's on-line registration profile:

Category:	Commodity:
Computer: Hardware & Software	Business Software
	Computer: Hardware & Software
	Database Software
	Enterprise Asset Management (EAM) Software
	Enterprise Software - General
Professional Consulting	Computer Software Consulting
Professional Services	Software Maintenance / Support

Inquiries received after 5:00 p.m. on June 17, 2020 will not be responded to.

F. SUBMISSION OF PROPOSALS

1. Date and Time

Proposals must be received in the Authority's office at or before 2:00 p.m. on July 8, 2020.

Proposals received after the above-specified date and time will be returned to Offerors unopened.

2. Address

Proposals delivered in person or by a means other than the U.S. Postal Service shall be submitted to the following:

Orange County Transportation Authority
Contracts Administration and Materials Management (CAMM)
600 South Main Street, (Lobby Receptionist)
Orange, California 92868
Attention: Masih Bahadori, Principal Contract Administrator

Or proposals delivered using the U.S. Postal Services shall be addressed as follows:

Orange County Transportation Authority
Contracts Administration and Materials Management (CAMM)
P.O. Box 14184
Orange, California 92863-1584
Attention: Masih Bahadori, Principal Contract Administrator

Note: The Authority utilizes a third-party delivery service; therefore, please anticipate a 48-hour delay in delivery of proposals mailed to the P.O. Box listed above. Proposals are considered received once time stamped at the Authority's physical address.

3. Identification of Proposals

Offeror shall submit an **original and 7 copies** of its proposal in a sealed package, addressed as shown above in E.2. The outer envelope must show the Offeror's name and address and clearly marked with RFP number.

"**RFP 0-2272: ENTERPRISE ASSET MANAGEMENT SYSTEM"**

In addition to the above, Proposers shall also include one (1) electronic copy of their entire RFP submittal package in "PDF" format on a USB or flash drive.

4. Acceptance of Proposals

a. The Authority reserves the right to accept or reject any and all proposals, or any item or part thereof, or to waive any informalities or irregularities in proposals.

b. The Authority reserves the right to withdraw or cancel this RFP at any time without prior notice and the Authority makes no representations that any contract will be awarded to any Offeror responding to this RFP.

c. The Authority reserves the right to issue a new RFP for the project.

d. The Authority reserves the right to postpone proposal openings for its own convenience.

e. Each proposal will be received with the understanding that acceptance by the Authority of the proposal to provide the services described herein shall constitute a contract between the Offeror and Authority which shall bind the Offeror on its part to furnish and deliver at the prices given and in accordance with conditions of said accepted proposal and specifications.

f. The Authority reserves the right to investigate the qualifications of any Offeror, and/or require additional evidence of qualifications to perform the work.

g. Submitted proposals are not to be copyrighted.

G. PRE-CONTRACTUAL EXPENSES

The Authority shall not, in any event, be liable for any pre-contractual expenses incurred by Offeror in the preparation of its proposal. Offeror shall not include any such expenses as part of its proposal.

Pre-contractual expenses are defined as expenses incurred by Offeror in:

1. Preparing its proposal in response to this RFP;
2. Submitting that proposal to the Authority;
3. Negotiating with the Authority any matter related to this proposal; or
4. Any other expenses incurred by Offeror prior to date of award, if any, of the Agreement.

H. JOINT OFFERS

Where two or more firms desire to submit a single proposal in response to this RFP, they should do so on a prime-subcontractor basis rather than as a joint venture. The Authority intends to contract with a single firm and not with multiple firms doing business as a joint venture.

I. TAXES

Offerors' proposals are subject to State and Local sales taxes. However, the Authority is exempt from the payment of Federal Excise and Transportation Taxes. Offeror is responsible for payment of all taxes for any goods, services, processes and operations incidental to or involved in the contract.

J. PROTEST PROCEDURES

The Authority has on file a set of written protest procedures applicable to this solicitation that may be obtained by contacting the Contract Administrator responsible for this procurement. Any protests filed by an Offeror in connection with this RFP must be submitted in accordance with the Authority's written procedures.

K. CONTRACT TYPE

It is anticipated that the Agreement resulting from this solicitation, if awarded, will be a firm-fixed price contract specifying firm-fixed prices for individual tasks specified in the Scope of Work, included in this RFP as Exhibit A. The Agreement will have a seven (7)-year initial term with two (2), two (2)-year option terms.

L. CONFLICT OF INTEREST

All Offerors responding to this RFP must avoid organizational conflicts of interest which would restrict full and open competition in this procurement. An organizational conflict of interest means that due to other activities, relationships or contracts, an Offeror is unable, or potentially unable to render impartial assistance or advice to the Authority; an Offeror's objectivity in performing the work identified in the Scope of Work is or might be otherwise impaired; or an Offeror has an unfair competitive advantage. Conflict of Interest issues must be fully disclosed in the Offeror's proposal.

All Offerors must disclose in their proposal and immediately throughout the course of the evaluation process if they have hired or retained an advocate to lobby Authority staff or the Board of Directors on their behalf.

Offerors hired to perform services for the Authority are prohibited from concurrently acting as an advocate for another firm who is competing for a contract with the Authority, either as a prime or subcontractor.

M. CODE OF CONDUCT

All Offerors agree to comply with the Authority's Code of Conduct as it relates to Third-Party contracts which is hereby referenced and by this reference is incorporated herein. All Offerors agree to include these requirements in all of its subcontracts.

SECTION II: PROPOSAL CONTENT

SECTION II. PROPOSAL CONTENT

A. PROPOSAL FORMAT AND CONTENT

1. Format

Proposals should be typed with a standard 12-point font, double-spaced and submitted on 8 1/2" x 11" size paper, using a single method of fastening. Charts and schedules may be included in 11"x17" format. Proposals should not include any unnecessarily elaborate or promotional materials. Proposals should not exceed seventy-five (75) pages in length, excluding any appendices, cover letters, resumes, or forms.

2. Letter of Transmittal

The Letter of Transmittal shall be addressed to Masih Bahadori, Principal Contract Administrator and must, at a minimum, contain the following:

a. Identification of Offeror that will have contractual responsibility with the Authority. Identification shall include legal name of company, corporate address, telephone and fax number, and email address. Include name, title, address, email address, and telephone number of the contact person identified during period of proposal evaluation.

b. Identification of all proposed subcontractors including legal name of company, contact person's name and address, phone number and fax number, and email address; relationship between Offeror and subcontractors, if applicable.

c. Acknowledgement of receipt of all RFP addenda, if any.

d. A statement to the effect that the proposal shall remain valid for a period of not less than 120 days from the date of submittal.

e. Signature of a person authorized to bind Offeror to the terms of the proposal.

f. Signed statement attesting that all information submitted with the proposal is true and correct.

3. Technical Proposal

a. Qualifications, Related Experience and References of Offeror

This section of the proposal should establish the ability of Offeror to satisfactorily perform the required work by reasons of: experience in performing work of a similar nature; demonstrated competence in the

services to be provided; strength and stability of the firm; staffing capability; work load; record of meeting schedules on similar projects; and supportive client references.

Offeror to:

(1) Provide a brief profile of the firm, including the types of services offered; the year founded; form of the organization (corporation, partnership, sole proprietorship); number, size and location of offices; and number of employees.

(2) Provide a general description of the firm's financial condition and identify any conditions (e.g., bankruptcy, pending litigation, planned office closures, impending merger) that may impede Offeror's ability to complete the project.

(3) Describe the firm's experience in performing work of a similar nature to that solicited in this RFP, including public sector experience both in transit maintenance, asset management, and procurement management, as well as experience implementing an EAM software solution. Highlight the participation in such work by the key personnel proposed for assignment to this project.

(4) Identify subcontractors by company name, address, contact person, telephone number, email, and project function. Describe Offeror's experience working with each subcontractor.

(5) Identify all firms hired or retained to provide lobbying or advocating services on behalf of the Offeror by company name, address, contact person, telephone number and email address. This information is required to be provided by the Offeror immediately during the evaluation process, if a lobbyist or advocate is hired or retained.

(6) Provide as a minimum three (3) references for the projects cited as related experience, and furnish the name, title, address, telephone number, and email address of the person(s) at the client organization who is most knowledgeable about the work performed. Offeror may also supply references from other work not cited in this section as related experience.

b. Proposed Staffing and Project Organization

This section of the proposal should establish the method, which will be used by the Offeror to manage the project as well as identify key personnel assigned.

Offeror to:

(1) Identify key personnel proposed to perform the work in the specified tasks and include major areas of subcontract work. Include the person's name, current location, proposed position for this project, current assignment, level of commitment to that assignment, availability for this assignment and how long each person has been with the firm.

(2) Furnish brief resumes (not more than two [2] pages each) for the proposed Project Manager and other key personnel that includes education, experience, and applicable professional credentials.

(3) Indicate adequacy of labor resources utilizing a table projecting the labor-hour allocation to the project by individual task.

(4) Include a project organization chart, which clearly delineates communication/reporting relationships among the project staff.

(5) Include a roles and responsibilities matrix, which provides the number of resources and their respective roles.

(6) Include a statement that key personnel will be available to the extent proposed for the duration of the project acknowledging that no person designated as "key" to the project shall be removed or replaced without the prior written concurrence of the Authority.

c. Work Plan

Offeror should provide a narrative, which addresses the Scope of Work, and shows Offeror's understanding of Authority's needs and requirements.

Offeror to:

(1) Describe the approach to completing the tasks specified in the Scope of Work. The approach to the work plan shall be of such detail to demonstrate the Offeror's ability to accomplish the project objectives and overall schedule.

(2) Include a Technical Solution Design (TSD) narrative highlighting the proposed EAM technical solution for the Authority. This narrative shall include a description of the technical architecture and the justification for their proposed approach. This should include hardware and/or cloud hosting environment topology, including network and security

components, all third-party software, and integration solutions for disparate components.

(3) Indicate if EAM system has the option to be hosted in the cloud or on-premise. If both options are available, identify the benefits and the drawbacks of each option.

(4) Outline sequentially the activities that would be undertaken in completing the tasks and specify who would perform them.

(5) Furnish a project schedule for completing the tasks in terms of elapsed weeks. The proposed project schedule shall identify all phases and the high-level tasks in sufficient detail. Tasks should be grouped into the project phases and include all the relevant deliverables, project milestones, and tasks for which the Authority would be responsible.

(6) Identify methods that Offeror will use to ensure quality control as well as budget and schedule control for the project.

(7) Identify any special issues or problems that are likely to be encountered in this project and how the Offeror would propose to address them.

(8) Offeror is encouraged to propose enhancements or procedural or technical innovations to the Scope of Work that do not materially deviate from the objectives or required content of the project.

(9) Complete the EAM System Highlights Table (Attachment A to Exhibit A)

(10) Complete the Project Task Deliverables Table (Attachment B to Exhibit A)

(11) Complete the EAM System Requirements List (Attachment C to Exhibit A).

d. Exceptions/Deviations

State any technical and/or contractual exceptions and/or deviations from the requirements of this RFP, including the Authority's technical requirements and contractual terms and conditions set forth in the Scope of Work (Exhibit A) and Proposed Agreement (Exhibit C), using the form entitled "Proposal Exceptions and/or Deviations" included in this RFP. This Proposal Exceptions and/or Deviations form must be included in the original proposal submitted by the Offeror. If no technical or contractual exceptions and/or deviations

are submitted as part of the original proposal, Offerors are deemed to have accepted the Authority's technical requirements and contractual terms and conditions set forth in the Scope of Work (Exhibit A) and Proposed Agreement (Exhibit C). Offerors will not be allowed to submit the Proposal Exceptions and/or Deviations form or any technical and/or contractual exceptions after the proposal submittal date identified in the RFP. Exceptions and/or deviations submitted after the proposal submittal date will not be reviewed by Authority.

All exceptions and/or deviations will be reviewed by the Authority and will be assigned a "pass" or "fail" status. Exceptions and deviations that "pass" do not mean that the Authority has accepted the change but that it is a potential negotiable issue. Exceptions and deviations that receive a "fail" status means that the requested change is not something that the Authority would consider a potential negotiable issue. Offerors that receive a "fail" status on their exceptions and/or deviations will be notified by the Authority and will be allowed to retract the exception and/or deviation and continue in the evaluation process. Any exceptions and/or deviation that receive a "fail" status and the Offeror cannot or does not retract the requested change may result in the firm being eliminated from further evaluation.

e. Public Records Act Indemnification

Proposals received by Authority are subject to the California Public Records Act, Government Code section 6250 et seq. (the "Act"), except as otherwise provided in the Act. Proposers should familiarize themselves and exceptions thereto. In no event shall the Authority or any of its agents, representatives, consultants, directors, officers, or employees be liable to a Proposer for the disclosure of any materials or information submitted in response to the RFP. Proposers must complete and sign the Exhibit H, Public Records Act Indemnification – Proposal Documents, and submit it with the proposal. Failure to complete Exhibit G may cause the proposal to be deemed non-responsive to this RFP and may no longer continue in the evaluation process.

If a California Public Records Act request is received by Authority for the release of information identified by Proposer as propriety, trade secret, or confidential, the request will be referred to Proposer for review and consideration. If Proposer requests that the information be withheld from release, Proposer shall provide such request in writing with the legal basis under the Act for each requested withholding. Failure to notify the Authority in writing of its desire to withhold the records within three business days and/or to timely provide a legal basis for the withholding of documents, regardless of

any marking or designation of such documents, shall constitute a waiver of any claims Proposer may have had related to such disclosure.

Authority will review the request, determine if the disclosure of the records is required by law, and notify Proposer of such determination. If Authority determines that the disclosure of records is required by law, Authority will notify Proposer of such determination and provide Proposer the opportunity to seek a protective order or other appropriate legal relief to protect the records.

Proposer shall defend and hold harmless Authority from any legal action arising from such withholding, as further detailed in Exhibit H, Public Records Act Indemnification – Proposal Documents.

4. Cost and Price Proposal

As part of the cost and price proposal, the Offeror shall submit proposed pricing to provide the services for each work task described in Exhibit A, Scope of Work.

The Offeror shall complete the "Price Summary Sheet" form included with this RFP (Exhibit B), and furnish any narrative required to explain the prices quoted in the schedules. It is anticipated that the Authority will issue a firm-fixed-price contract specifying firm-fixed-prices for individual tasks.

5. Appendices

Information considered by Offeror to be pertinent to this project and which has not been specifically solicited in any of the aforementioned sections may be placed in a separate appendix section. Offerors are cautioned, however, that this does not constitute an invitation to submit large amounts of extraneous materials. Appendices should be relevant and brief.

B. FORMS

1. Campaign Contribution Disclosure Form

In conformance with the statutory requirements of the State of California Government Code Section 84308, part of the Political Reform Act and Title 2, California Code of Regulations 18438 through 18438.8, regarding campaign contributions to members of appointed Board of Directors, Offeror is required to complete and sign the Campaign Contribution Disclosure Form provided in this RFP and submit as part of the proposal.

This form shall be completed regardless of whether a campaign contribution has been made or not and regardless of the amount of the contribution.

The prime contractor, subconsultants, lobbyists and agents are required to report all campaign contributions made from the proposal submittal date up to and until the Board of Directors makes a selection.

Offeror is required to submit only one (1) copy of the completed form(s) as part of its proposal, and it shall be included in only the original proposal and electronic copy.

2. Status of Past and Present Contracts Form

Offeror shall complete and sign the form entitled “Status of Past and Present Contracts” provided in this RFP and submit as part of its proposal. Offeror shall identify the status of past and present contracts where the firm has either provided services as a prime vendor or a subcontractor during the past five (5) years in which the contract has been the subject of or may be involved in litigation with the contracting authority. This includes, but is not limited to, claims, settlement agreements, arbitrations, administrative proceedings, and investigations arising out of the contract. Offeror shall have an ongoing obligation to update the Authority with any changes to the identified contracts and any new litigation, claims, settlement agreements, arbitrations, administrative proceedings, or investigations that arise subsequent to the submission of Offeror's proposal.

A separate form must be completed for each identified contract. Each form must be signed by the Offeror confirming that the information provided is true and accurate. Offeror is required to submit one copy of the completed form(s) as part of its proposals and it should be included in only the original proposal.

3. Proposal Exceptions and/or Deviations Form

Offerors shall complete the form entitled “Proposal Exceptions and/or Deviations” provided in this RFP and submit it as part of the original proposal. For each exception and/or deviation, a new form should be used, identifying the exception and/or deviation and the rationale for requesting the change. Exceptions and/or deviations submitted after the proposal submittal date will not be reviewed nor considered by the Authority.

4. Public Records Act Indemnification Form

Offerors shall complete and sign the form entitled “Public Records Act Indemnification” provided in this RFP and submit it as part of the original proposal. Proposers must complete and sign either Option 1 or Option 2,

whichever applies.

SECTION III: EVALUATION AND AWARD

SECTION III. EVALUATION AND AWARD

A. EVALUATION CRITERIA

The Authority will evaluate the offers received based on the following criteria:

1. Qualifications of the Firm 25%

Technical experience in performing work of a closely similar nature; strength and stability of the firm; strength, stability, experience and technical competence of subcontractors; assessment by client references.

2. Staffing and Project Organization 20%

Qualifications of project staff, particularly key personnel and especially the Project Manager; key personnel's level of involvement in performing related work cited in "Qualifications of the Firm" section; logic of project organization; adequacy of labor commitment; concurrence in the restrictions on changes in key personnel.

3. Work Plan 35%

Depth of Offeror's understanding of Authority's requirements and overall quality of work plan; logic, clarity and specificity of work plan; appropriateness of resource allocation among the tasks; reasonableness of proposed schedule; utility of suggested technical or procedural innovations; responses to EAM System Highlights Table, Project Task Deliverables Table, and EAM System Requirements List.

4. Cost and Price 20%

Reasonableness of the total price as well as the individual tasks; competitiveness with other offers received; adequacy of data in support of figures quoted.

B. EVALUATION PROCEDURE

An evaluation committee will be appointed to review all proposals received for this RFP. The committee is comprised of Authority staff and may include outside personnel. The committee members will evaluate the written proposals using criteria identified in Section III A. A list of top-ranked proposals, firms within a competitive range, will be developed based upon the totals of each committee members' score for each proposal.

During the evaluation period, the Authority may interview some or all of the proposing firms. The Authority has established August 11, 2020, as the date to conduct interviews. All prospective Offerors are asked to keep this date available.

No other interview dates will be provided, therefore, if an Offeror is unable to attend the interview on this date, its proposal may be eliminated from further discussion. The interview may consist of a short presentation by the Offeror after which the evaluation committee will ask questions related to the firm's proposal and qualifications.

At the conclusion of the proposal evaluations, Offerors remaining within the competitive range may be asked to submit a Best and Final Offer (BAFO). In the BAFO request, the firms may be asked to provide additional information, confirm or clarify issues and submit a final cost/price offer. A deadline for submission will be stipulated.

At the conclusion of the evaluation process, the evaluation committee will recommend to the Transit Committee, the Offeror with the highest final ranking or a short list of top ranked firms within the competitive range whose proposal(s) is most advantageous to the Authority. The Board Committee will review the evaluation committee's recommendation and forward its decision to the full Board of Directors for final action.

C. AWARD

The Authority will evaluate the proposals received and will submit, with approval of the Transit Committee, the proposal considered to be the most competitive to the Authority's Board of Directors, for consideration and selection. The Authority may also negotiate contract terms with the selected Offeror prior to award, and expressly reserves the right to negotiate with several Offerors simultaneously and, thereafter, to award a contract to the Offeror offering the most favorable terms to the Authority.

The Authority reserves the right to award its total requirements to one Offeror or to apportion those requirements among several Offerors as the Authority may deem to be in its best interest. In addition, negotiations may or may not be conducted with Offerors; therefore, the proposal submitted should contain Offeror's most favorable terms and conditions, since the selection and award may be made without discussion with any Offeror.

The selected Offeror will be required to submit to the Authority's Accounting department a current IRS W-9 form prior to commencing work.

D. NOTIFICATION OF AWARD AND DEBRIEFING

Offerors who submit a proposal in response to this RFP shall be notified via CAMM NET of the contract award. Such notification shall be made within three (3) business days of the date the contract is awarded.

Offerors who were not awarded the contract may obtain a debriefing concerning the strengths and weaknesses of their proposal. Unsuccessful Offerors, who wish

to be debriefed, must request the debriefing in writing or electronic mail and the Authority must receive it within three (3) business days of notification of the contract award.

EXHIBIT A: SCOPE OF WORK

Scope of Work

Enterprise Asset Management System

1. BACKGROUND 2

2. PROJECT GOALS / OBJECTIVES AND HIGH-LEVEL PROJECT SCOPE 3

3. OCTA TEAM 5

4. CONSULTANT TEAM 6

5. SCOPE OF ENGAGEMENT: SERVICES, EFFORTS AND DELIVERABLES 7

6. BUSINESS PROCESS NARRATIVE 9

7. PROJECT IMPLEMENTATION TASKS AND DELIVERABLES 19

Task 1 – Project Planning and Management 19
Task 2 – Requirements Gathering 23
Task 3 – Design 24
Task 4 – Construct / Build 27
Task 5 – Test 27
Task 6 – Pilot 29
Task 7 – Train 29
Task 8 – Deploy 30
Task 9 – Post-Deployment Support 32

8. APPENDIX 1: EXISTING SYSTEM REPORTS 36

9. APPENDIX 2: VEHICLE INSPECTION SHEET 207

10. APPENDIX 3: EQUIPMENT ASSIGNMENT REPORT FOR 10/13/2019 228

ATTACHMENT A: EAM SYSTEM HIGHLIGHTS TABLE 232

ATTACHMENT B: PROJECT TASK DELIVERABLES TABLE 234

ATTACHMENT C: EAM SYSTEM REQUIREMENTS LIST 237

1. BACKGROUND

The Orange County Transportation Authority (OCTA) is a state-mandated, multi-modal transportation agency in Orange County, California. OCTA regulates, prioritizes, funds, plans, designs, builds, operates, and maintains the transportation network. This includes major highway and freeway projects, high-occupancy managed lanes, street improvements, commuter rail, streetcar, the public transit system, paratransit services and taxi services.

OCTA currently has 13 facilities (five bus bases [Santa Ana, Garden Grove, Anaheim, Construction Circle in Irvine, and Sand Canyon in Irvine] + eight transit facilities), and will be adding eight (8) streetcars and one (1) central communications facility in the upcoming two (2) to four (4) years. There are two (2) physical warehouses that are operated by OCTA and three (3) warehouses operated by OCTA contractors.

OCTA Vehicle Break-down (as of 10/13/2019):

- 507 Fixed-Route and Contracted Fixed-Route vehicles (298 and 209, respectively). Of the 507, OCTA has three (3) hydrogen and 504 compressed natural gas (CNG) buses. In the future, OCTA shall also operate electric buses.
- 248 ACCESS service vehicles
- Eight (8) streetcars (future)

The Equipment Assignment Report for 10/13/2019 can be found in Appendix 3 to this Scope of Work (SOW).

Regarding materials management, OCTA has approximately 7,000 active bus stock numbers, $4.3 million dollars in valued inventory, a bulk storage facility, a material planning department, a warranty department, a parts cataloger, and a receiving department. OCTA's Materials Management section supports maintenance operations along with six specialty shops: upholstery, rebuild, electronics, automotive, body shop and facilities. The Materials Management section is also responsible for suppling bus parts, shop supplies, fuels, lubricants, safety supplies, cleaning supplies and consumable products. The Materials Management section works seven days a week, 24 hours a day and all holidays (24 x 7 x 365). Replenishment of parts and supplies are managed using min/max stocking levels, use of a critical inventory optimizer software, historical usage data and supplier recommended stocking reports.

There are 6500 work orders raised per month on average and approximately 400 unique types of work orders currently used, plus 600 that are historical/unused types. There are about 550 purchase orders and contracts created per month.

The Enterprise Asset Management (EAM) system shall allow for **approximately 550 named users**.

OCTA currently utilizes the Ellipse EAM system, and it is extensively used across OCTA to support work management, maintenance and repair of rolling stock and facilities, materials and inventory management, warranty management, inventory replenishment, defect tracking, procurement requests, procurement status management, reporting, and integration with financial processes.

Current Ellipse system users include:

1. Bus Fleet Management, Non-Revenue Maintenance, Bus Rebuild Center
2. Facilities Maintenance
3. Rail Fleet Services (future)
4. Rail Wayside and Rail Communications (future)
5. OCTA Administration Personnel and General Services
6. Asset Management
7. Warranty
8. Consultant/Contract Management - includes Logistics/Material Management and Procurement
9. Accounting
10. Information Services (IS)
11. Contracted Service Providers (future)

Current systems that interface with Ellipse system (or are used to support Ellipse system processes):

1. HASTUS (Bus Operations)
2. ONESolution (Finance)
3. Fleet Watch (Vehicle Maintenance)
4. Critical Inventory Optimizer (CIO)
5. AnaLabs (Oil and Coolant Analysis)
6. Kronos (Shift Change/Timekeeping)
7. Lawson (HR)
8. Link One (Materials Management feature in Ellipse for electronic parts diagram information)
9. CAMMNET (Consultant Profile Management / e-Procurement system)
10. Solicitation Manager (Contract Maintenance)
11. Critical Inventory Optimization (module within Ellipse)
12. Various extracts (from Access databases)
13. Data Warehouse

Additional details on the interfaces can be found in the EAM Requirements List (Attachment C) under the tab titled “Interfaces and Data Exchanges.”

Fleet Commander is a separate software used by OCTA to manage service vehicles. This software is does not interface with Ellipse.

2. PROJECT GOALS / OBJECTIVES AND HIGH-LEVEL PROJECT SCOPE

OCTA is seeking a modern EAM business and technical system, which includes the following:

1. Implementing a modern transportation asset management software solution with comprehensive functionality.
2. Revising business processes (if necessary) that, when coupled with the new EAM software, shall result in more efficient operations (i.e., improved productivity) and more effective asset management (i.e., better data quality including asset condition scoring readily accessible by management for improved decision making and regulatory

reporting).

OCTA's top-level business objectives for the overall EAM program initiative are as follows:

1. Capture, control and track a broad range of OCTA assets throughout each asset's usable life. Asset classes / types include, but not limited to, infrastructure, linear, rolling stock and related assets for commuter rail and bus transit operations, as well as facilities and other assets.
2. Implement a scalable solution enabling complete EAM, inventory management and work management.
3. Meet OCTA's growing business needs associated with OCTA's forecast for expanding transit asset inventory over the next 10 to 20 years with a scalable technology solution.
4. Comply with federal Moving Ahead for Progress in the 21st Century Act (MAP-21) and Fixing America's Surface Transportation (FAST) Act guidelines for asset management and asset condition reporting (e.g., State of Good Repair reporting).
5. Become a recognized industry leader in enterprise transit asset management (TAM) and State of Good Repair, as well as support compliance with generally accepted asset management standards, such as:
    a. ISO 55000 – management of physical assets.
    b. American Public Transportation Association (APTA).
    c. MAP-21 State of Good Repair and the FAST Act.
    d. FTA TAM Rulemaking.
    e. National Transit Database reporting (monthly and annually).
6. Improve operational effectiveness and efficiency in the management of assets, inventory, operations and maintenance, especially the reduction of re-work and the identification of cost of business / ownership.
7. Improved internal communications / collaboration, operational productivity and reporting supporting data analytics, decision-making and business intelligence.
8. Easy to use, integrated, end-to-end EAM system transportation-sector focused, enabling:
    a. Inventory management, including critical inventory optimization.
    b. Mobility / tablet / smart-phone solution to support:
        i. Maintenance & Facilities: work plans, work orders, unscheduled maintenance, defect management
        ii. Materials Management: Receiving, issuing, cycle counting, shipping, stocking
    c. Requisition / Purchase Order / Contract Management
        i. Best practice solution for supporting the inventory, non-inventory goods, services, blanket purchase orders for inventory/goods/services, and contract management. Includes the requisitioning process for the procurement of inventory/goods and services.
        ii. Best Practice solution for facilitating payment in OCTA's ONESolution financial software for all types of purchase orders and contracts listed in paragraph 2.8.c.i above.

d. Robust reporting and analytic analysis.
    i. Database query access for reporting.

9. The expected duration of the project implementation effort is 24 calendar months, followed by a five-year use of the EAM system in production, for a total initial contract term of seven (7) years. OCTA is also including two, two-year option terms whereby OCTA may elect to extend the term of the contract at its sole discretion.
    a. Approximate target start date for implementation efforts: Third Quarter of 2020
    b. Approximate target completion date for implementation efforts: Third Quarter of 2022 (This is inclusive of 30 calendar days of post-deployment support services following the implementation of all EAM functional modules.)
    c. Five-year use of the EAM system in production
    d. Two, two-year options at OCTA's sole discretion

NOTE: Please assume the project duration above when submitting pricing on the Price Summary Sheet, Exhibit B to this RFP.

10. Ellipse is used by the following departments / teams:
    a. Bus Fleet Management, Non-Revenue Maintenance, Bus Rebuild Center
    b. Facilities Maintenance
    c. Maintenance Resource Management Assets
    d. Contract and Materials Management (CAMM) – Materials Management (Inventory and Warranty)
    e. CAMM – Contracts (Requisitions, Purchase Orders, Contract Tracking)
    f. Finance – Accounts Payable and Budgeting
    g. Information Services (IS)
    h. Plus, there are dozens of "Requisitioners" throughout OCTA to facilitate requisitioning in each of OCTA's departments.)
    i. Rail Wayside and Rail Communications (not currently included in Ellipse, but shall be included in the EAM system)
    j. Contracted Service Providers (not currently using Ellipse, but shall be using the new EAM system)

3. OCTA TEAM

OCTA shall establish a project team that shall include the following staffing for this project:

1. A Project Steering Committee consisting of the major stakeholders shall meet as needed (at a minimum, quarterly) to monitor progress and make any course corrections that are need.
2. Business Owners.
3. An OCTA Project Manager who shall spend approximately thirty percent (30%) of his/her time on this project.
4. At a minimum, one (1) technical lead who shall be available as needed. The technical lead(s) shall assist with OCTA's network, security, data warehouse, database, device management, and components.

5. Business Computing Solution Specialists (BCSS) and functional experts shall be available as needed, based on the project schedule and at the request of the OCTA Project Manager.
6. One (1) or more power users shall be available as needed. They shall assist with application use-case questions and testing.
7. System users shall be available during certain testing periods. All users of the system shall participate, provided they have received proper training.

4. CONSULTANT TEAM

1. Consultant's personnel shall accept the condition that scheduling flexibility is required since OCTA's IS activities are driven by a combination of internal and external dependencies.
2. Consultant resources shall work closely with the OCTA IS Project Manager to plan the expected work for each reporting/billing period. All EAM project work shall be coordinated through the OCTA IS Project Manager.
3. Consultant shall provide to each of their assigned resources a personal computer (PC) and cell phone. Personnel shall not perform work on an OCTA-issued PC.
4. Consultant may use offshore resources where appropriate; however, the OCTA IS Project Manager shall be aware and approve of the use of offshore resources. Consultant shall assume full responsibility for the quality of the resultant deliverables and the timeliness of their delivery.
5. Consultant personnel shall backup all work products at the end of each workday onto an OCTA designated storage device (most likely a SharePoint repository or shared network drive setup for the EAM project team).
6. Consultant's personnel assigned to work on OCTA projects are responsible for the proper care of OCTA's facilities and equipment made available to them throughout the term of the contract.
7. Unless otherwise agreed to by OCTA's Project Manager, Consultant's staff shall work onsite at OCTA's Orange, CA headquarters building or from a pre-authorized remote location. Exceptions require OCTA's Project Manager approval for work performed offsite or offshore.
8. All individuals participating on the Consultant's project team shall have sufficient comprehension of the English language to read, write, speak and understand all job-related directions and discussions.
9. All communication shall be in English, including verbal and written.
10. Verbal and written communication shall be grammatically correct at a university-grade-level.
11. Consultant shall be available from 7:00am to 6:00pm (Pacific Time), Mondays through Fridays, and on all U.S. working days.
12. Consultant shall provide all phone and desktop-sharing conference calling dial-in numbers and Uniform Resource Locators (URLs).
13. Consultant shall provide telephonic technologies that limit the phone call latency to less than one (1) second and are at audio quality standards equivalent to typical U.S. domestic phone call quality standards.
14. Consultant shall respond to voicemail, email and text messages within a reasonable amount of time, but under no circumstances shall the amount of time exceed one (1) business day.

5. SCOPE OF ENGAGEMENT: SERVICES, EFFORTS AND DELIVERABLES

The Consultant shall provide the following services, efforts and deliverables. The details for each of these are outlined within this SOW and within the EAM Requirements List (Attachment C). In addition to individual software and environment-related requirements, the EAM Requirements List (Attachment C) also provides information related to OCTA's physical site locations and details, software performance service level agreements (SLAs), a list of existing system interfaces and details, and the list of existing printers, all of which may be used by the Consultant to more accurately estimate the scope, cost and schedule for this project.

1. **EAM Application Software**
   OCTA shall only consider well-designed and previously implemented, proven software with a demonstrated ease of use, asset management functionality consistent with the U.S. Department of Transportation guidelines for transit organizations, robust reporting capabilities, an advanced system integration architecture and superior product support. Realizing the breadth and complexity of the desired EAM solution, OCTA allows for customization, third party software products (with interfaces), and new functionality to be released in the near future to satisfy OCTA's EAM requirements.

   The EAM system shall have individual features and functions consistent with OCTA's EAM functional and technical requirements noted on the EAM Requirements List (Attachment C). OCTA has identified a list of requirements that the Consultant shall satisfy in the baseline software functionality or via customization, third party software products (with interfaces), or future releases of the proposed EAM system. Additional details on the interfaces can be found in the EAM Requirements List (Attachment C) under the tab titled "Interfaces and Data Exchanges."

   The EAM system shall take into account usability with OCTA's other critical enterprise software applications to facilitate a streamlined end-to-end experience for OCTA's EAM users.

   The EAM system shall be highly intuitive from a user perspective, thus positioning OCTA to take advantage of the proposed technology to improve staff productivity and organizational effectiveness.

   The EAM system shall permit secure and easy access to the EAM data for reporting and query generation with reduced needs for programming resources to produce normal operational reports.

   Please see the EAM Requirements List (Attachment C) for the individual features and functions required.

2. **Other Related Software**
   This includes all third-party software, utilities, report writers, workflow software, development tools, hardware drivers, etc., that are required to operate and maintain the proposed EAM system.

3. **Support, Maintenance, Warranty**
   OCTA is seeking to use the EAM system for at least five (5) years after completion of implementation. Therefore, the support and maintenance shall include updates, upgrades, patches and break/fixes for five (5) years (beginning from the date once the software is being used in production environment) for all software that is being licensed. Software support that accompanies the acquisition shall include high quality, 24x7x365 support. Please see the EAM Requirements List (Attachment C) for the individual services required.

4. **Environment (Hosting Services, or On-Premise)**
   OCTA shall consider EAM technology solutions that are cloud-based systems or on-premise systems. Please see the EAM Requirements List (Attachment C) for the individual services required.

5. **Project Implementation Effort**
   For detailed descriptions of the services, tasks, and deliverables required during the project implementation, see the "Project Implementation Tasks and Deliverables" under section 7 of this SOW. The implementation effort shall include the following:

   a. **Project Planning and Management** – Various administrative efforts and documentation to implement this system / project. Consultant's Project Manager or Point of Contact (POC) and assigned resources shall report to and take daily direction from OCTA's Project Manager.

   b. **Implementation** – All technical services required to install, set-up, configure and implement all software and hardware products, including the provisioning, installation, requirements gathering, configuration, testing, deployment, and post-deployment support for the software and hardware.

   c. **Data Conversion and Migration** – Efforts required to ensure the existing OCTA data is moved into the new EAM system.

   d. **Software Integrations / Interfaces** – Design, development, testing, implementation and technical documentation for interfaces between the proposed EAM Software, any proposed third-party software, and OCTA's existing application systems (HR, Finance, Timekeeping, Fluid Management, Operations Scheduling, Parts Diagrams, etc.), which are described on the "Interfaces and Data Exchanges" tab of the EAM Requirements List (Attachment C).

   e. **Reports and Analytics** – Design, development, testing, implementation and technical documentation for reports, including the required custom reports.

   f. **Training** – Training for OCTA resources.

   g. **Travel and Expenses** – Please note that OCTA does not pay for daily incidentals.

6. **Technical Solution Design (TSD) Narrative**
   The Consultant shall include in the "Work Plan" section of its proposal a TSD narrative section highlighting the proposed EAM technical solution for OCTA. This narrative shall include a description of the technical architecture and the justification for their proposed approach. This should include hardware and/or cloud hosting environment topology, including network and security components, all third-party software, and integration solutions for disparate components.

7. **Enhancements**
   If the Consultant's technical solution offers other related functionality or modules not included in the SOW that may be of value to OCTA, the Consultant shall include a separate section in their TSD narrative for such enhancements. The applicable costs for such enhancements shall be included in the Price Summary Sheet, Exhibit B to this RFP, under the "List of Enhancements."

6. BUSINESS PROCESS NARRATIVE

This section is a general narrative of the business processes that OCTA expects to be supported by the EAM solution.

Asset Management

- **Asset Lifecycle Management** – OCTA's regulatory requirements and operational maturity objectives necessitate a robust lifecycle management solution for its asset portfolio. Current growth projections shall require the onboarding of significant numbers of assets into an already sizeable fleet, bringing with it an increased reliance on automated, digital tools to effectively track, maintain, and retire the assets at a pace scalable with heightened service requirements. Effective management of the asset lifecycle has the ability to drive improved maintenance and service delivery to customers, while also improving the asset-accounting and cost forecasting that define high-maturity organizations.

- **Asset Inventory and Classification Hierarchies** – The interconnected nature of OCTA's assets, components, and subcomponents presents a complex environment in which maintenance and operation can be managed and optimized in concert with one another. Parent-child relationships comprise the asset inventory system of record, which serves as the principal repository for all of OCTA's asset management functions. Concentrating priority weightings, classifications, and reference information into a single repository allows operations and support staff to have a consistent body of knowledge to refer to, thereby improving their ability to execute service and improve overall efficiency.

- **Asset Assessment and Condition** – MAP-21 regulatory requirements necessitate robust asset assessment and condition rating functionality, which in turn allows OCTA to gain a tactical view of the health of their asset portfolio, and a strategic plan for capital allocation in the future. A holistic understanding of the condition of assets over time provides an added benefit in the form of highly effective predictive maintenance plans, data analysis opportunities, and general improvements to the health of the assets under their control.

- **Asset Tracking and Management** – Tracking key performance data between assets and asset classes allows OCTA to gain a holistic understanding of their asset portfolio and

develop strategic plans to optimize performance as the organization grows. This shall facilitate compliance with MAP-21 regulations and ensure OCTA is meeting federal guidelines and requirements.

- **Capital Project Scoping and Prioritization** – In order to effectively scale with increasing growth demands, it is critical that OCTA's capital projects are planned, scoped, and prioritized with data that supports critical decision-making processes. It shall take into account the condition of assets in the portfolio, criticality of individual assets and their asset classes, and the performance of core sections of the asset fleet provides long-term security in rapidly changing environments. Furthermore, effective capital project scoping and prioritization shall allow OCTA to meet MAP-21 regulations regarding the plan to improve and maintain the condition of transit assets moving forward.

- **Capital Plan Tracking** – OCTA's capital project portfolio contains highly diverse projects with budgets, schedules, and priority levels that shall be accurately tracked and managed at an individual and holistic level for reporting and audit purposes. More effective management of capital projects shall allow OCTA to more effectively plan for long-term sustainability and improve service levels across the organization.

- **Asset Project Planning** – Capital projects that are aimed at improving the condition of OCTA's assets require special consideration due to new reporting and tracking regulation. More effective management, tracking, and execution of asset-centric projects shall allow OCTA to meet those regulatory requirements more effectively and shall improve the delivery of service where those assets are employed.

- **Asset Status and Location** – OCTA's fleet of mobile assets should be able to be tracked to ensure service is being delivered on time and location. This allows supervisors and managers to more effectively plan and schedule service, enables tactical decision making by support staff, and results in peace-of-mind for the customer.

- **Asset Configuration Management** – Effective management of assets requires equally effective management of the components, subcomponents, and assemblies that make up the overall asset. Through thorough management of the configurations of assets, OCTA shall be able to improve asset performance, improve asset lifetimes, and generate more comprehensive reports on the assets in their employ. Additionally, OCTA shall be able to quickly identify assets that fall out of compliance with maintenance and service standards, improving service delivery across the organization.

- **Component Tracking** – Repairable components that are continually used, repaired or rebuilt and placed in service require sophisticated tracking of their location, service status, and maintenance histories. With effective serialized component tracking, OCTA shall be able to more effectively utilize repairable components across their asset portfolio, reduce duplicative component purchasing, and maintain a higher asset condition standard across the organization while reducing inventory costs.

- **Asset Lifecycle Costing** – To effectively carry out their asset management mandate, OCTA shall gain a comprehensive understanding of the costs incurred with the ownership and maintenance of each individual asset within the portfolio. This includes costs specific to each phase of the asset lifecycle, and aggregate costs from classes and subclasses of

assets. By capturing these costs, OCTA shall be able to more accurately plan, budget and forecast future projects and expenditures.

- **Asset On-Boarding and Replacement** – In order to scale OCTA's asset portfolio to meet projected growth, it is necessary to streamline and more effectively control the asset onboarding and replacement process. This includes data-driven replacement schedules for in-service assets, asset data transfer, and tracking newly procured assets that are brought into service. This shall allow OCTA to make strategic asset procurements, and more effectively manage all new assets, and ease the transition between asset deployment and operations.

- **Asset Retirement** – Aging assets that require replacement need to be properly depreciated and relieved of usable parts, components, and data before retirement from service. Effective management of asset retirement shall allow OCTA to maximize value from end of life assets, and more effectively prepare for replacement and onboarding.

Work Planning and Management

- **Planned Maintenance Program Management** – OCTA's asset management mandate demands more sophisticated, planned maintenance programs to perform predictive, preventative, and reliably centered maintenance on critical assets and components. Through improved planned maintenance data gathering and management, OCTA shall be able to identify and resolve maintenance issues more rapidly and improve service delivery across the organization.

- **Work Planning, Scheduling, and Management** – OCTA's workforce performs myriad functions over a highly diverse range of service and support roles, all of which require effective work planning and management practices. To give the organization a comprehensive understanding of the amount and value of work being utilized, resource utilization, planning, forecasting, and budgeting requirements shall be taken into account. Comprehensively understanding and managing work shall allow OCTA to more effectively utilize resources where they are needed most, staff for projects according to data-driven expectations, and deliver higher-value services to customers.

- **Electronic Parts Catalogues (EPC)** – An easy to use electronic parts catalog is essential for helping maintenance and operations personnel quickly find, order, and associate parts to a work order. As a result, technicians spend less time searching for parts to repair issues, make less ordering mistakes, and increase wrench time.

- **Warranty Management** – Consolidating OCTA's warranty agreements into an automated, digitized space allows for heightened control over the assets, components, and parts that comprise OCTA's asset portfolio. It shall also permit the sharing of warranty recovery data between the maintenance and material management departments.

- **Asset Usage and Maintenance History** – In order to meet federal regulatory guidelines,

OCTA shall keep a detailed record of the usage and maintenance histories of the assets, components, and subcomponents that drive operations and support functions. Effective management of asset usage and history shall allow OCTA to more comprehensively manage assets across their lifecycles, improving efficiency and service delivery across the organization.

- **External Contract Maintenance** – The EAM system should not only facilitate management of work assigned to OCTA FTEs, but also work contracted to external Consultants and Consultants. These features should allow OCTA employees to isolate work contracted to external Consultants, track performance versus tasks delivered, and examine compliance versus expectations.

- **Failure Analysis** – Understanding root-cause failures of systems, components and underlying assets enables maintenance personnel and management to improve reliability and performance for assets under their purview. A robust failure analysis feature set that enables detailed analysis, adjustments to planned maintenance programs and continuous operational improvement is essential for OCTA.

- **Maintenance Costing** – Understanding the complete costs of maintenance allows OCTA to more accurately assign value to projects, budgets, and other functions. True maintenance costs include breakdowns by assets, work type, workforce, and ultimately provide insight to the planning and reporting personnel at OCTA.

Fleet Management

- Buses, streetcars (in 2022), and non-revenue vehicles perform the mobile services that define OCTA's interactions with its customers. This includes not only the moving assets, but the resource requirements at the rail yards and bus stations, managing the tools and maintenance equipment at the maintenance shops. Effectively managing moving assets and the components that support them is critical to ensuring public safety and the sustainability of OCTA's service model for years to come.

Linear Asset Management (in 2022)

- OCTA's linear assets provide a unique challenge in accurately referencing the network of tracks, signals, and related assets in a variety of functions that are critical to the overall service portfolio. By being able to accurately track, maintain, and reference the linear assets under OCTA's control, personnel shall be able to more effectively locate and maintain those assets, improve their data gathering and reporting functions that include linear references, and improve the safety of the riders that utilize the rail system through more effective linear asset maintenance.

Inventory Management

- **Inventory Item Definition and Location** – OCTA's diverse service portfolio carries an

equally diverse range of materials required to operate, maintain, and repair the OCTA fleet. To effectively manage and safeguard OCTA's inventory investment, item classifications and descriptions shall be sophisticated and highly specific to ensure that material is able to be found within the system and made available for service. This includes ensuring that inventory materials spread across OCTA's numerous warehouses and storage facilities are identifiable by location, giving further insight into availability and lead times.

- **Warehouse/Storeroom Configuration and Management** – Over 15,000 inventory transactions monthly are processed through storage and inventory facilities, requiring sophisticated coordination between the software solution and OCTA's processes in order to effectively deliver service. Optimizing configuration and management of OCTA's warehouses maximizes wrench-time and eliminates the unnecessary delays caused by an unorganized system.

- **Inventory Transactions and Material Usage Tracking** – To accommodate increasing inventory transaction volume, it is critical that OCTA is able to clearly track, manage, ability to reallocate open requisitions and audit the parts and components being utilized in OCTA's critical functions. This includes comprehensively understanding how usage of individual inventory materials and classes of materials occurs across the organization, and the flexibility to scrap, sell, or store excess materials.

- **Material Replenishment** – Variations in ridership, maintenance schedules, diverse bus fleet with many different Consultants, and other factors result in continuous changes to the inventory replenishment cycle. Understanding how material needs vary from a data-driven perspective allows OCTA to optimize the management of material levels, resulting in decreased waste and consistent parts availability that support staff uses to carry out critical services.

- **Cycle Counting and Physical Inventory** – Ensuring that inventory levels in the system are accurate necessitates a data-centric approach to cycle counting and inventory reconciliation. Notifying and assisting material management personnel with real-time data allows them to accurately establish inventory levels in less time, and with fewer errors. This translates to more effective service for downstream users across the organization.

- **Serialized Item and Lot Tracking** – Parts identification through serialization and lot tracking provides OCTA's material management personnel with the ability to more effectively track where material is being stored and used. This increases parts visibility, reducing waste from duplicative ordering that arises from a less sophisticated management system.

- **Inventory Accounting and Valuation** – OCTA's material portfolio includes a highly diverse range of assets, parts, and components, which shall be accurately valued for

depreciation, resale, audit, and reporting purposes. Furthermore, the value of inventory material associated with specific projects and initiatives allows OCTA to more effectively forecast and carry out projects within realistic budgets.

- **Material Safety** – Hazardous materials require special handling, storage, and maintenance practices, which shall be performed by material management personnel in order to keep themselves and other employees safe. The ability to see and prepare for those requirements reduces the chance of mishandling and increases the efficiency of the hazardous material handling processes.

Planning and Budgeting

- OCTA's capital planning and capital projects define the organization's long-term investment goals. Effective planning and budgeting require comprehensive collection and analysis of data generated across the organization, and specifically related to the assets that OCTA owns and operates. This includes planning for capacity increases as OCTA continues to grow in both ridership and services offered.

- OCTA uses multiple types of plan including, but not limited to:
  - Operational Plan – a clear picture plan of how a department shall contribute to the Agency's strategic goals,
  - Capacity Plan – ability to schedule work against labor capacity,
  - Rolling Plan – updatable labor plans that are updated after specific time intervals, and
  - Standing Plan – single use labor plans with specific required actions (commonly known future dated / system-generated work orders).

- Planning and budgeting for long term goals not associated with specific projects presents a unique challenge in that they can require many different data sets that may not be apparent from the onset. To compensate, it is critical that OCTA is able to effectively gather and analyze data on the entirety of their asset portfolio, including condition and age-based data, key asset attribute data, and other related data sets. To effectively plan and budget, it is necessary that OCTA is able to display that data in dashboards and reports that convey critical information accurately, in real-time, and with easily interchangeable metrics.

Reporting and Analysis (All areas)

- OCTA relies on data analysis and reporting to make critical decisions, comply with regulations, and improve the services within their portfolio. This includes reporting on all of the assets that OCTA owns and operates, the services rendered internally and externally, and countless other functional areas.
- Total Cost of Ownership
  - Capturing all costs: labor, material, Consultants, services associated with each Asset.

Mobility

- As a mobility-centered organization, it is critical that OCTA personnel are able to work in the field with the same effectiveness they would have at a desk. This presents a unique challenge in that data and documentation from the field shall be consistent with data

generated on the core network, and information shall be reconciled quickly and accurately. Effective implementation of a mobile solution shall allow OCTA to more effectively manage its assets and improve service delivery across the organization.

Geographic Information System (GIS)/ Global Positioning System (GPS)

- OCTA's services span a large geographic area and employ mobile assets that are highly reliant on accurate, real-time location data. This includes mobile personnel that frequently travel to execute services and record data. By employing GIS/GPS more effectively, OCTA shall be able to better understand the location of assets, material, workforce, and services in real time, allowing for the optimization of related processes, and improve the speed at which services are rendered.

Automated Workflow

- OCTA relies on effective workflows to carry out critical internal and external processes. Automating the approval/denial process allow support and maintenance staff the opportunity to receive input quickly and work towards high value activities.

Bar Coding/Radio-frequency identification (RFID) and other technologies

- Maintaining the network of parts and materials that are critical to OCTA's day-to-day operations require sophisticated mechanisms by which they can be tracked, sent, received, and utilized. Technologies like bar codes and RFID provide countless uses for support and maintenance staff that enable them to complete work more effectively and focus on higher-value activities.

Image

- OCTA's maintenance and support personnel require accuracy and speed in order to respond to changing demands, incidents, and requests. Software that supplies high quality images, drawings, and other forms of media allow users to operate at the highest efficiency levels, while maintaining a detailed graphical record that can be used to establish audit.

Graphical Viewer/User Interface

- Operations and support staff require real-time decision-making capabilities to be at their most effective. Robust graphical user interfaces that allow for highly comprehensive understanding of the current status of the asset and service portfolios.

Internet of Things

- OCTA's asset management goals require highly sophisticated data sets to support the growing ecosystem of connected devices used to gather asset and condition data.

Procurement

- **Requisitioning** – OCTA requires electronic requisitioning of inventory stock items based on inventory replenishment methods such as Min/Max. Electronic requisitioning of

non-inventory goods and services is also required. The approval process for non-inventory goods and services requisitions should be a hierarchical approval method not dependent on approval amount levels. OCTA requires requisitions to be approved based on an OCTA defined bottom up organizational hierarchical methodology. Non-inventory goods and services requisitions shall be reviewed by OCTA's Finance/Budget department prior to the requisition being approved and able to be procured. Currently the budget review is a manual review and is not tied into OCTA's in-house developed budget system. It is anticipated that the budget review process shall remain a manual process. OCTA often requires non-inventory goods and services requisitions to be rerouted back to the requestor to make changes to the requisition such as amount, funding status, funding account numbers, purchasing instructions, and other requisition details. The reroute process shall reroute the requisition back to the requestor and be efficient and reliable. Once the requisition is rerouted back to the requestor and the necessary changes made the requisition shall proceed back through the original hierarchy so that the changes can be reviewed by everyone in the approval hierarchy. OCTA requires multiple account numbers associated with a requisition line item as well as multiple account numbers associated with a resulting contract or purchase order. Due to the numerous funding and budget categories that a contract or purchase order may be funded by, the requisition and resulting contract or purchase order should support at least 200 account codes. Purchase requisitions should have the ability to attach files to the requisition by browsing OCTA's local network and selecting file(s), like selecting a file to attach to an email message. The attachment process should allow the attachment of multiple files. Attached files to a requisition should be able to be opened at any time throughout the requisition approval process and after the requisition has been approved.

- Reports
  - Detailed Requisition report showing information like funding per item, procurement instructions, estimated item unit price, item description, quantity, extended item estimated price, total estimated cost of the requisition, requestor, and the approval status of the requisition.

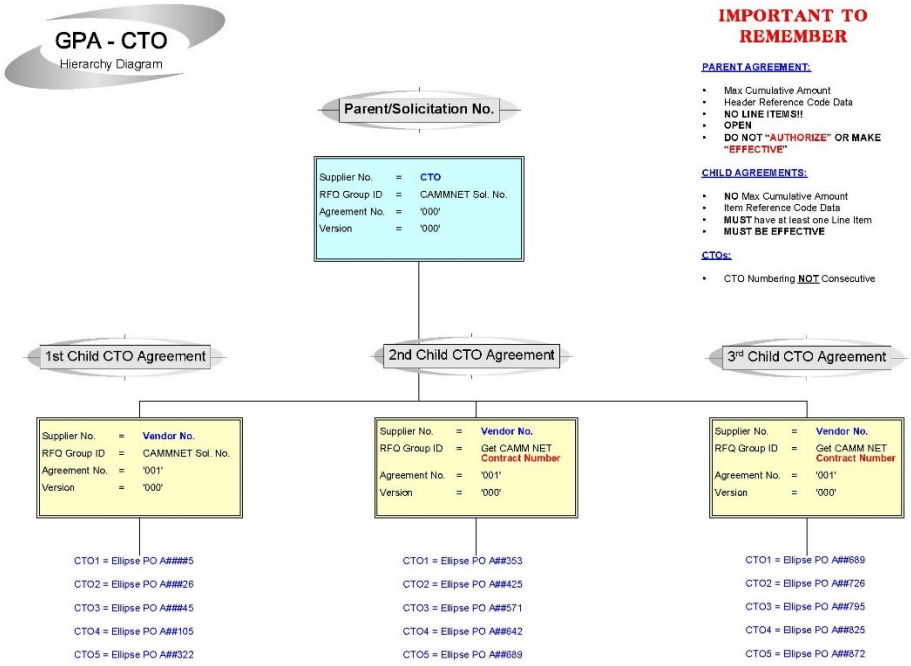
- **Purchase Orders** – OCTA requires the EAM solution facilitate a Best Practice solution for creating, amending, revising and printing goods and service purchase orders. OCTA creates purchase orders for ordering inventory and non-inventory items as well as for simple short-term services. The purchase order shall be able to create, modify and store standard purchase order text and be able to add that text without having to retype the standard text. Users shall also be able to add custom text to the purchase order as well. Purchase Order data should be used to facilitate invoice payment.
  - Reports
    - The EAM solution shall need to generate a multi-page purchase order with header information, such as the Vendor name, address, contact information. The purchase order report shall also be able to list items in the body of the purchase order with unit price, quantity, extended price, item description, stock number, delivery date per item. The purchase order report shall be able to print the sum of all item extended prices and apply sales tax to the taxable items on the last page of the purchase order. The purchase order report shall also print OCTA's boiler plate purchase order terms and conditions.

- **Contracts** – OCTA requires the EAM solution facilitate a Best Practice contract solution for Professional Services, Architectural and Engineering Services, Construction Services, Cooperative Agreements, Term Purchase Orders, Bench Contracts for Services, Term Pricing Contracts and other Agreements to be entered into the EAM application and

categorized differently than Purchase Orders so that Contracts can be reported separately from Purchase Orders so that Contracts can be reported separately from Purchase Orders to facilitate payment and reporting requirements.

- Reports
  - The EAM solution needs to be able to generate a summary report confirming a contract has been entered into the EAM software as well as summary information like contract amount, Vendor name, contract effective date, contract expiration date, funding information and other contract related information.

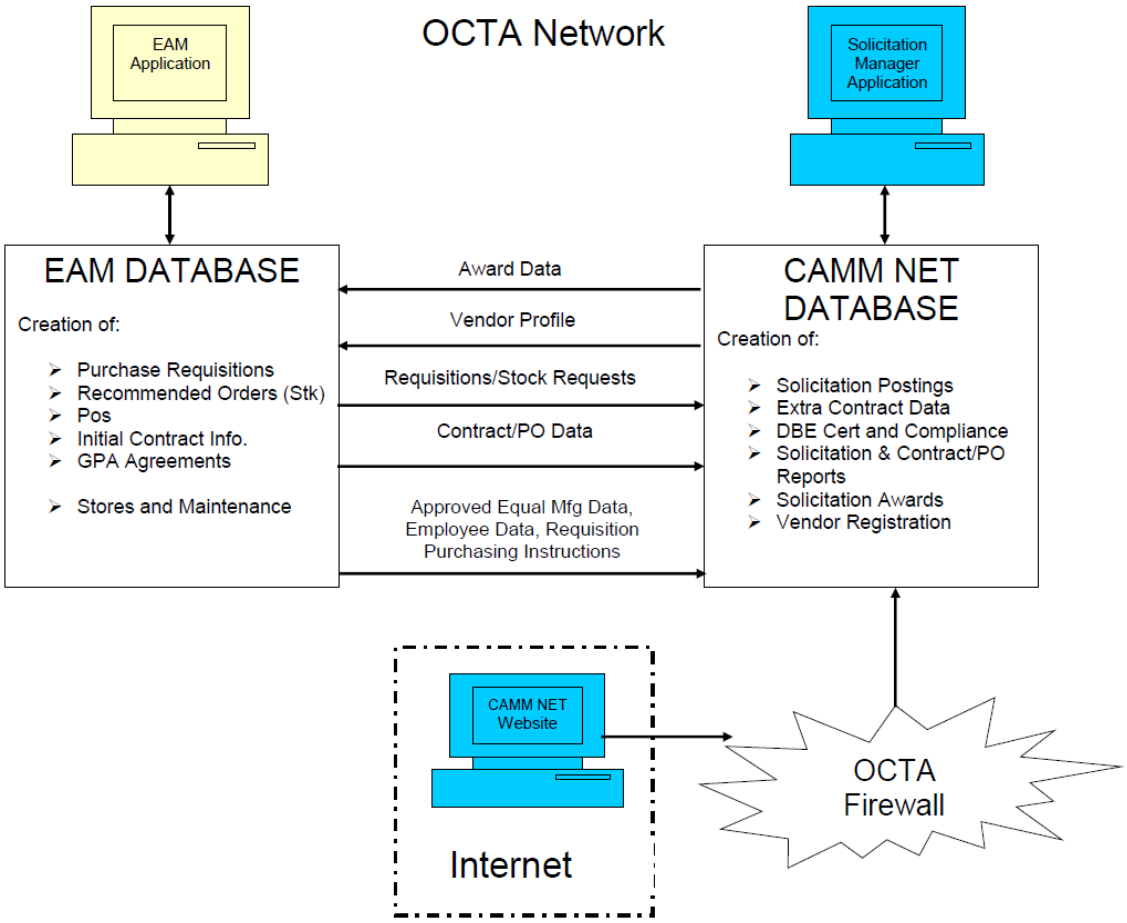
- **Bench Contracts for Services** – OCTA requires the EAM solution to support two types of Bench style contracts OCTA uses. OCTA uses Stock Blanket Purchase orders for certain inventory items for where a Vendor agrees to a fixed agreed upon price per item for specified a period. The other Bench type contract, which OCTA calls a Contract Task Order Agreement, is used for services. Elements of these types of Bench Contracts are:
  - Stock Blanket Purchase Orders – Are term purchase orders for inventory items where a Vendor agrees to a fixed price per item for the agreed term. The term is usually at least a year there can be option year pricing for additional terms. Inventory items on Stock Blanket Purchase Orders should automatically generate an inventory purchase order based on inventory replenishment levels.
  - Contract Task Order Agreements – Are Master agreements for on-call services whereby there can be multiple agreements for the same types of services with each agreement sharing one pool of funds. When OCTA has a need for a service on a Contract Task Order Agreement a Contract Task Order (CTO) is issued for the specific service. The relationship between the pool of funds, the Contract Task Order Agreements and the Contract Task Orders for the actual service can best be shown as a hierarchical family as shown in the diagram below. The pool of funds being the Parent Agreement, the Contract Task Order Agreements representing Child Agreements, and the Contract Task Order for a specific service being a Grandchild Agreement.



- Reports
  - Stock Blanket Purchase Orders should print the same as other EAM goods and Inventory Purchase Orders. Contract Task Orders should print a summary report confirming a Contract Task Order has been entered into the EAM software like the Contract report outlined for Contracts.

- **Interfaces with OCTA's CAMMNET e-Procurement System** – OCTA developed and owns its own e-Procurement system named CAMMNET. CAMMNET uses EAM data to create and post solicitations on its CAMMNET website and sends Consultant registration and award data to the EAM database via interfaces. Below are the interface data shared between the EAM and CAMMNET databases:
  - Requisition/Inventory Requests – Are sent to the CAMMNET database and used to post solicitations on the CAMMNET Website
  - Consultant Registrations – Are sent to the EAM system to create and update Vendor profiles to be used to create contracts and purchase order in the EAM system.
  - Awards – Award data is sent from the CAMMNET database to the EAM system which updates the Requisition/Inventory Requests with awarded Vendor number, price, lead-time and other award data.
  - Contracts/Purchase Order – Summary Contract and Purchase Order data is sent from the EAM system to the CAMMNET database for reporting purposes.
  - Bench Contracts – Stock Blanket Purchase orders and Parent and Child CTO Agreement data is sent from the EAM system to the CAMMNET database for reporting purposes.
  - Contract and Purchase Order customer defined data – Is sent from the EAM system to the CAMMNET database for reporting purposes.
  - Approved Equal Manufacturer and Part Number date for Inventory items – Sent from the EAM system to CAMMNET for solicitation postings.
  - Employee Data – Sent from the EAM system to the CAMMNET database for CAMMNET contract administration purposes.
  - Purchase Requisition Purchasing Instructions – Sent the EAM system to the CAMMNET database for CAMMNET requisition status purposes.

  Below is a diagram showing the interface relationships between OCTA's CAMMNET system and the EAM system.



7. PROJECT IMPLEMENTATION TASKS AND DELIVERABLES

The following Tasks correspond to contractual payment schedule.

Task 1 – Project Planning and Management

Consultant shall designate a Project Manager who shall serve as the single point of contact for the Consultant.

The following administrative project documentation, deliverables and actions shall be produced, maintained, and made available by Consultant each week for OCTA to ensure accuracy and completeness. Prior to the deadline of each document and deliverable, adequate time shall be allotted within the schedule for: 1) OCTA's review of ALL project documentation, 2) revisions to be made by Consultant, and 3) final approval by OCTA. Upon approval, work shall be authorized.

1.1 **Project Schedule**. Consultant shall use Microsoft Project 2013. The schedule shall identify all tasks in sufficient detail (durations for each detailed task shall not be greater than five (5) business days, unless approved by the OCTA Project Manager). Tasks shall be grouped by project phase, and shall include all the relevant deliverables, and project milestones. The tasks shall identify Resources (and Owners if applicable), start and end dates, duration of tasks, and predecessor

relationships (whenever applicable). The schedule shall indicate the tasks for which OCTA is responsible. OCTA shall review and adjust the time allocated for the OCTA tasks, as well as insert any additional OCTA tasks. The project schedule shall be updated weekly by the Consultant's Project Manager to accurately identify percentage physical work complete, or percentage effort complete (whichever is applicable). Payments shall be reconciled against the project schedule. All invoices shall be accompanied by a current project schedule to show the monies due tie to the project schedule's percentage Complete or Milestone (whichever is applicable).

All deliverables stated in the SOW shall be completed on-time per the project schedule and approved by the OCTA Project Manager.

It is anticipated that once the Design Phase is complete, the Project Schedule may need to be revised to align with revisions to the post-Design phase efforts (Change Orders would be required, as applicable.). Upon approval of the revised project schedule, it shall be baselined to permit identification of future modifications to the schedule.

1.2 **Roles and Responsibilities (R&R) Matrix**. This matrix is to be structured in the form of a Responsible, Accountable, Consulted, Informed (RACI), including Resource Name, Title, Role, Billable Hourly Rate, and Percentage Allocation to the project. Each project document and deliverable are to be identified in the RACI by phase. This matrix shall also clearly define the Consultant's lines of communications during the project. The OCTA R&R Matrix template can be used if the Consultant does not have a standardized RACI.

1.3 **Change Orders.** If there are any modifications to Scope, Resources, Budget, or Schedule, the Consultant shall submit those requests and obtain approval from OCTA in advance of the work being initiated. The Change Orders shall reflect all additions, deletions, or modifications. Consultant shall provide a detailed report for each required change including the issue number (#), title, date identified, description, alternatives, recommended alternative and impacts to schedule, budget, and resource for the recommended alternative.

1.4 **Issues, Risks, Action Items, Bugs, Future Enhancements Log (aka Item Log).** OCTA's Mantis Hub application shall be used to manage the Item Log, unless approved by the OCTA Project Manager. The log shall include: item Type, Title, Date Opened, Date Updated, ETA, Opened By, Priority, Description, Assigned To, Status, Comments (updated weekly / date-stamped), and Date Closed. Risks shall be quantified (Occurrence: probability / impact; Control: effective / efficient) in a Risk Assessment.

1.5 **Project Status Reports.** Submitted to OCTA twice each month (and more frequently if the project is off-schedule, off-scope, or off-budget) it shall be received by noon (Pacific Time) on the Friday it is due. The format for progress reporting can be in the Consultant's format. The OCTA Project Status Report template can be used if the Consultant does not have a standardized Status Report. However, the following elements shall be included within the report:

- *Overall Project Status* (Green, Yellow, Red). Green = project is on-track with schedule, budget, scope and/or resources, no major issues; no minor issues that shall not be resolved in short-term; nothing to escalate. Yellow = project is at

risk of slippage with one or more area of schedule, budget, scope, and/or resources; deviation could be 10 to 20% of plan; the project team has plan to correct the deviation. Red = project is slipping in one or more areas of schedule, budget, scope, and/or resources; management assistance is needed to re-set project.

- *Trend* (Steady, Improving, Degrading). The Trend is a forecast of the probable change in Status within the upcoming 1-2 weeks.
- *Tasks Completed* during the reporting period
- *Tasks In-Progress*
- *Next Steps / Work Planned* for the next reporting period including, but not limited to, those identified per the baseline project plan
- *Resources* utilized since the previous Status Report, or those Resources who shall be needed during the next reporting period
- *Project Issues*, including description, viable solution(s), owner, deadline, impact if not addressed by the deadline.
- Identification of *Short-Term Risks*, 30 days or less that affects the project's progress, deliverables, or milestones. The risks shall be noted, potential solution(s) identified, action required for resolution, and estimated duration of solution.
- Identification of *Long-Term Risks*, 60 days or more that affects the project's progress, deliverables, or milestones. The risk shall be noted, potential solution(s) identified, and action required for resolution, and duration required.

1.6 The Consultant's project team shall co-lead the kick-off meeting with OCTA's Project Manager. This shall be scheduled to occur after the signing of the contract and the acceptance of the project schedule. All the Consultant's identified team members or their alternates are required to attend the meeting, unless approved by the OCTA Project Manager. The Consultant's project manager shall present (using a Microsoft PowerPoint presentation) and discuss the project approach (describing how the project shall be successfully completed, and the implementation approach), the project's goals and objectives, scope, out-of-scope items, work plan, timeline, and team member roles and responsibilities during the meeting, and allow time for questions.

1.7 The Consultant's project manager shall co-lead the ongoing project and executive status meetings with OCTA's Project Manager. The meetings shall be held at OCTA's facility in Orange, CA, but the Consultant's team may attend the meeting by tele-conference and WebEx. The purpose of the meetings shall be to review and discuss the Project Status Report, Project Schedule, Item Log, resolution of issues, assess risk, determine corrective action as required, and to discuss future efforts. At a minimum, Project Status Meetings with OCTA project team shall occur once every month to discuss project progress. Executive Status Meetings with Key Stakeholders and Management shall occur at least every two (2) months, as deemed necessary by the OCTA Project Manager. Attendance shall be taken at each meeting.

1.8 Project Working Meetings Agendas. The content shall include a list of topics, start and end time for each topic, presenter, follow-up items from previous meetings.

1.9 **Meeting Minutes.** The content shall include a summary of the discussion, decisions, and action items. Minutes shall be distributed after the meeting to the meeting attendees (within one business day).

1.10 **Ancillary Project Deliverables.** Detailed examples of any/all project-specific deliverables that shall be produced by the Consultant during the project engagement shall be provided to OCTA in advance of the start of project to permit OCTA adequate time to assess the reasonableness of the content, as well as approve the format and proposed content.

1.11 Response to voicemail, email, and texts shall be within a reasonable amount of time, but under no circumstances shall exceed two (2) business days. If a deadline or 'respond by' date/time is indicated in a communication by OCTA, it shall be expected to be met unless it is considered unreasonable by the Consultant. If so, the Consultant shall immediately notify OCTA, and provide a reasonable deadline that would need to be approved by OCTA.

1.12 **Documentation Repository.** OCTA will establish a Microsoft Teams or Microsoft SharePoint site for the project, to which the Consultant shall have access. All 'master' versions of documentation shall be posted to this site by the Consultant. The documents shall be 'checked-out' and 'checked–in' to provide control, versioning, and collaboration during the process of drafting the documentation. The project documentation shall always be maintained within the repository.

1.13 All **Deliverables / Documentation** shall be submitted to OCTA in digital formats that are compatible with the OCTA Microsoft Office suite, or as approved by the OCTA Project Manager. Consultant shall clearly identify any documentation or project deliverables that contain proprietary information and therefore needs a suitable form of protection.

Objectives

- Effective and efficient administration of the project.
- Complete and accurate information.
- Transparency.
- Readily accessible information for the appropriate resources.

Deliverables

1.1 Project Schedule
1.2 Roles and Responsibilities Matrix
1.3 Change Orders
1.4 Item Log (web-based system)
1.5 Project Status Reports
1.6 Kick-Off Meeting
1.7 Various Meetings
1.8 Meeting Agendas
1.9 Meeting Minutes
1.10 Ancillary Project Deliverables
1.11 (no applicable deliverable)
1.12 Documentation Repository

1.13 Documentation

Task 2 – Requirements Gathering

The Consultant shall gather and document OCTA requirements, including use-cases, from OCTA personnel to ensure the system is configured in a way that meets the needs of OCTA processes and policies.

Business analysis Joint Application Development (JAD) sessions should be conducted to gather the requirements documentation. This shall expand upon the functional and the non-functional requirements that were documented for the SOW. The JAD session shall ensure consensus from cross-functional teams (business, technical and testing teams) by documenting complete, non-redundant, prioritized and valid features, functions and requirements. The requirements should describe the problem, business case, process and procedures (input, process, output), data model, and any other pertinent information. The ultimate deliverable shall provide the business solution that shall be used for the build/ configuration, and by the test team. The final requirements deliverable shall be approved by the OCTA business and technical teams. The final requirements may require an approved change request if the scope, schedule or cost are impacted.

To aid with the requirements gathering, the Consultant shall provide system demonstrations, and system documentation. System documentation is a guide for each module for the end-users as to how to work with each module and key aspect of the EAM system.

Objectives

- Consensus among cross-functional teams
- Complete, non-redundant, prioritized, valid list of features, functions and requirements
- Define all business rules
- Define the business processes and procedures, including workflow routing, alerts, notifications
- Define all data interfaces from/to the software solution
- Define the user screen views
- Define the reports required
- Documentation that can be used during Build/Construction and Testing

Deliverables

2.1 System demonstration
2.2 Detailed and approved Requirements Documentation in the form of a Requirements Matrix, which shall be used as a Requirements Traceability Matrix
2.3 System Documentation

Task 3 – Design

Design reviews shall be conducted during the design phase to evaluate progress, as well as to evaluate the technical adequacy of the design and conformance with performance, usability, and OCTA technical standards. Prior to each review, the Consultant shall submit a design review package that includes the design and other information required for the review, including: architecture topology diagram, data flow diagram, hardware, and software versions, network and security diagrams.

Unless the Consultant proposes an alternate approach, which is acceptable to OCTA, design review shall be divided into three distinct stages:

1. Conceptual Design Review
2. Preliminary Design Review
3. Final Design Review

3.1 Conceptual Design Review

The primary objectives of the Conceptual Design Review shall be to acquaint OCTA with the Consultant's intended design and procurement activities, resolve external interfaces, and provide the basis for proceeding to preliminary design review. At a minimum, the conceptual design review shall accomplish the following:

3.1.1 Confirm the Consultant 's management team and the scope of supply of sub-suppliers.
3.1.2 Provide narrative descriptions of the major subsystems proposed by the Consultant.
3.1.3 Identify information needs and decisions required from the agency.
3.1.4 Confirm that the Consultant is familiar with the intended operations and maintenance environment.
3.1.5 Provide block diagrams showing functionality and interfaces between system components and elements, such as OCTA's' systems, that are not to be provided by the Consultant but affect the system provided by the Consultant.
3.1.6 Review the software conceptual design, including block diagrams and features.

The Consultant and its subconsultants/vendors shall work closely with OCTA to accurately complete the application implementation and configuration, as well as all related services. The Consultant shall also answer questions posed during the application implementation process. All decisions shall be documented.

Objectives:

- Perform necessary application configurations.
- Answer and document application set up questions during the application implementation process.

Deliverables:

3.1 Design Documentation that includes all implementation and configuration changes.

3.2 Back-up and Recovery Plan. Consultant shall provide its backup and recovery plan, which shall detail how to recover from software and database failures. The backup plan shall encompass all aspects of the solution and shall detail the recovery process from a small-scale failure to a total system failure.

3.3 One of the key deliverables during this EAM project shall be a comprehensive Systems Integration Design (SID) document where in the interface design approach shall be articulated. If the Consultant proposes third party software as part of their EAM Solution, then the SID shall include both existing OCTA systems, as well as the interfaces used to integrate the out-of-the-box EAM software with the third-party software.

3.2 Preliminary Design Review

The Preliminary Design Review is designed to review the adequacy of the selected design approach for equipment needed for collection of cash and evaluate requirement conformance. The Preliminary Design Review shall represent approximately 65 percent completion of the total engineering effort for the system. At a minimum, the Preliminary Design Review shall include:

3.2.1 Detailed technical descriptions of the system's major components, allowing a thorough understanding of the implementation of the proposed System Components.
3.2.2 Drawing of passenger interface arrangements.
3.2.3 Preliminary installation layouts for onboard readers including mounting arrangements and installation methods.
3.2.4 Software system level flow charts, if applicable. Software data backup and recovery procedures.

Objectives:

- Perform necessary application implementation and configuration.
- Answer and document application set up questions during the application implementation process.

Deliverables:

3.2.1 Updated Design Documentation

3.3 Final Design Review

The Final Design Review shall be conducted when detailed design is complete. The Final Design Review shall determine whether the detailed design shall conform to the design requirements. Data submitted for the Final Design Review shall be updated to a level of detail consistent with the completed design and submitted for the Final Design Review. At a minimum, the Final Design Review shall include:

3.3.1 Latest revisions of the drawings and documentation submitted for the Preliminary Design Review.

3.3.2 Data documentation at the second level, including all software development. documentation available or used in the Consultant's design process, consisting of structured data flow diagrams, event tables and/or dialogue diagrams (as available) to the lowest level of decomposition with software module descriptions (or elemental process descriptions) in structured narrative format. The second level of software documentation is one level above source code.

3.3.3 Review of Consultant's final interoperability and integration with onboard systems, including verification and test plans.

3.4 Release Management Plan

The Release Management Plan (RMP) is a deliverable detailing how the Consultant intends to manage the multiple environments (Development, Testing, Training, User Acceptance Testing, Production, & others) during both the project implementation, as well as once the system is being used by OCTA as a Production system. The RMP covers the initial "Out-of-the-box" release, the product upgrades, the interim functional/module releases, the final production turnover, and bug fix releases, and subsequent Consultant updates / upgrades.

Objectives:

- Perform necessary application implementation and configuration.
- Answer and document application set up questions during the application implementation process.
- Provide a clear understanding of the process to manage environment updates / changes.

Deliverables:

3.4.1 Finalized Design Documentation

3.4.2 Release Management Plan

Task 4 – Construct / Build

The Consultant shall build / customize / configure the application to ensure compatibility with the system requirements.

If this setup differs from the Consultant's setup, then changes shall be documented, reviewed with OCTA.

The Construct / Build phase includes all elements of the system.

System Technical Documentation is for all system components. It is a compilation of all relevant product technical information, including infrastructure, hardware, network, security, database, database backups, data migration and conversion, application software and third-party software (including applicable warranties and licenses), customizations and configurations, interfaces, reports, etc. It is used when transferring product knowledge to OCTA's IS staff who shall support the EAM modules post-implementation.

Execute the build and configuration of the solution in test environment.

Objectives

- Perform application build according to the requirements.
- Fully configured, installed and operational solution in a test environment
- Create all identified data interfaces, reports.
- Solid technical understanding of the system.

Deliverables

4.1 Documented system configurations, including deviations to the system requirements
4.2 Test environment solution installed, configured and developed addressing all listed
4.3 System Technical Documentation

Task 5 – Test

The Consultant shall be required to thoroughly test the application to ensure stability, performance, and system functionality using specific testing data prior to making the system available for OCTA testing efforts. The Consultant shall develop the Test Plan, Test Cases, and Test Scripts (if automated testing is being conducted). The Test Cases shall be clear, concise, and pertinent to the OCTA system. OCTA shall use these Test Cases when conducting OCTA's User Acceptance Testing (UAT).

Test Plan

The Consultant shall develop a Testing Plan for the entire project. The Testing Plan should address each type of testing.

1. The Testing Plan should include <u>who</u> is conducting the testing, <u>what</u> type of testing shall be conducted, <u>when</u> the testing shall be conducted, <u>where</u> the testing should be performed, the purpose of the test (<u>why</u>), and <u>how</u> to conduct the testing.

2. The testing should include unit-, system-, integration-, load-, stress-, functional-, non-functional-, device-, and network-testing.
3. Testing may include backup and restore, and disaster recovery procedures.
4. The Consultant's technical members shall assist OCTA project staff as needed, to complete all UAT.

Test Cases
The Test Cases is a set of conditions or variables under which a Tester shall determine whether a system under test satisfies requirements or works correctly. The process of developing test cases can also help find problems in the requirements or design of an application. The Test Cases should include a description, any assumptions or pre-conditions, the steps, and the expected result.

Testing Results
The testing shall be based on the Test Cases. The Consultant is responsible for executing the Test Cases and applicable automated Test Scripts and drafting the **Test Results** in the form of human-readable documentation with any supporting system-generated testing reports.

UAT
OCTA shall conduct UAT of all system functionality. The Consultant shall be responsible for supporting the UAT efforts, including:

- Clarifying system functionality.
- Troubleshooting and correcting error and invalid results.
- Updating system documentation (as applicable).

Objectives:

- Testing efforts are thorough, effective and efficient.
- All pertinent resources are clear on the testing process and efforts that shall be completed.
- Acceptance Test success criteria is defined.
- Bugs are documented, prioritized and resolved.
- Any necessary corrections or configuration changes are completed.
- All planned testing is completed successfully.

Deliverables:
5.1 Test Plan
5.2 Test Cases (and Test Scripts if automated testing is being conducted)
5.3 Testing Results
5.4 Defect logging in Item Log
5.5 Stakeholder sign-off on the completed testing

Task 6 – Pilot

The purpose of the pilot is to utilize the new system in a limited deployment to prove the concept of the system, and how it shall benefit OCTA's environment.

1. The Pilot Plan should include who is participating in the pilot, what this pilot includes, or is omitted (scope of the pilot), when the pilot shall be conducted, where the pilot should be performed, the purpose of the pilot (why), and how to conduct the pilot.
2. The pilot testing program shall be developed by the Consultant for approval by OCTA. The Consultant shall jointly review results with OCTA and determine whether the testing indicates the integration is successful, in which case it shall be installed on the balance of buses.
3. If the pilot is unsuccessful, the Consultant shall submit a remediation plan and remediation schedule to OCTA for approval and in accordance with the remediation plan, install the necessary fixes and retest according to the test plan.

Objectives:

- The system viability is validated.
- The system is used in the same manner it shall be used once it is fully deployed.

Deliverables:

6.1 Pilot Plan
6.2 Pilot Acceptance

Task 7 – Train

7.1 Consultant shall develop a Training Plan for the entire project. The Training Plan should include the following information: who is conducting and attending the training, what the training shall include, when and where the training shall be conducted, the purpose of the test (why), and how the training shall be conducted.

7.2 Consultant shall provide an EAM orientation/ overview course for all team members plus additional technical or functional module level courses for selected participants based on their role. For example, bus participants may need to take the following four (4) courses: Orientation, Maintenance Work Order Management, Material Management and Work Management (e.g., Time Keeping). Consultant shall design an appropriate training program for the proposed EAM Technical Solution. If third party software is proposed, then Consultant shall also include training courseware offered by the third-party software vendors.

7.3 Describe the mediums that shall be used (videos, manuals, classes, etc.).

7.4 Training documentation shall be provided that is comprehensive of the system features and functionality for the specific use by OCTA users in the OCTA environment. Detailed manuals, outlines, lesson plans, shall be submitted for approval. Instruction shall be designed to be comprehensive of the equipment, and the system features and functionality. The documentation shall be provided in both digital and print format. These manuals should describe and explain all features and

functions of the application, how to use the application, and some common troubleshooting techniques.

7.5 The Consultant shall provide training for IT (technical training), and system administration, end-user training to both OCTA and OCTA contracted employees.

7.6 The base-level training shall use the train-the-trainer method, where the Consultant trains OCTA supervisors or other selected personnel. Those people shall then train all other users of the application.

7.7 Training shall be conducted at OCTA's administrative offices in Orange, CA, which shall need to be provided based on system functionality / user roles, as well as at OCTA base locations in Santa Ana, Garden Grove, and Irvine, which shall be presented in multiple shifts at each base due to the work-shift availability. For locations please see the Location Demographics sheet in EAM Requirements List (Attachment C).

Objectives:

- Ensure that OCTA project team and the system administrators understand how to manage, maintain, use, and support all technology components involved in Consultant's solution.
- Provide training to OCTA project team on how to use system features and functionality.

Deliverables:

7.1 Training Plan that denotes the people providing the training, and the resources attending the training, the objectives and expectations of the training, the content that shall be provided, schedule and location, and the purpose of the training.

7.2 Training Documentation, including manuals, outlines, lesson plans, etc., either paper or digital, for each training session.

7.3 System Administration training for OCTA technical staff.

7.4 Train-the-Trainer training for OCTA trainers.

7.5 End-User Training for OCTA's system users.

Task 8 – Deploy

The Consultant shall be responsible for the implementation / deployment of the application into a production environment for OCTA to use it as a production system. The Go-Live date is the date OCTA shall commence using the application as a production system.

8.1 Go-Live Assessment

The Consultant's Project Manager shall prepare a readiness assessment report for submission to OCTA. This report shall identify any incomplete efforts, tasks, and bug fixes and prioritize their importance from a technical-perspective to the cutover date, as well as the plan for addressing the incomplete tasks in the post go-live phase. Contingency plans for Go-Live shall be documented.

Objectives:

- Complete Readiness Assessment Report
- Identify outstanding tasks and identify estimated completion dates
- Prepare the implementation efforts

Deliverables:

8.1.1 Readiness Assessment Report
8.1.2 Draft the Implementation (Deployment) Plan

8.2 Go-Live Plan

A meeting shall be held prior to production deployment to review the Implementation (Deployment) Plan. The Implementation Plan should include who is participating in the deployment, what the deployment shall encompass, when the deployment efforts/tasks shall be conducted, where the deployment shall be performed.

The Consultant and OCTA Project Manager shall work with the project teams to draft an appropriate schedule that includes the following: tasks, durations, resources, start- and end-times, status reporting, and production Validation Tests (to ensure the deployment was completed successfully). This should be included within the Implementation Plan.

A deployment checklist shall be documented to ensure all changes are moved to production accurately and completely.

A support plan shall be documented that shall include support before, during, and post-production deployment.

OCTA requires that all changes to the production environment shall be approved by a change control board.

Objectives:

- Approved Change Control
- Plan for support-related activities
- Create schedule
- Determine Production Validation tests

Deliverables:

8.2.1 Approved Implementation (Deployment) Plan
8.2.2 Go-Live Schedule
8.2.3 Deployment Checklist
8.2.4 Production Validation Tests
8.2.5 Go-Live Support Plan
8.2.6 Approved Change Control

8.3 Go-Live / Deployment

Execute the build and configuration of the solution into the production environment.

Objectives

- Fully configured, installed and operational solution in a production environment
- Create all identified data interfaces

Deliverables

8.3.1 Production environment solution installed and configured addressing all listed requirements (including all identified interfaces)

8.4 Final Acceptance

The Consultant shall assist OCTA in evaluating results of production acceptance testing. Based on the outcome of this testing, decisions related to setup and processes shall be re-evaluated in order to achieve desired results.

Objectives:

- Evaluate documented validation test scripts
- Summarize test script processes that did not yield desired results
- Review and prioritize pending defects
- Evaluate system setup and process decisions to achieve desired results
- Completion and sign-off on testing
- Identification of required action items for project completion

Deliverables:

8.4.1 Approved Validation Test scripts
8.4.2 Updated System Documentation (based on deployment revisions)
8.4.3 Updated Items Log that with any remaining defects that shall be addressed
8.4.4 Deployment Acceptance

Task 9 – Post-Deployment Support

The Consultant shall provide support for the system after Go-Live. The Consultant shall warranty their work to conform to requirements set forth in this SOW, for a minimum of ninety (90) calendar days after final software is deployed to production at Go-Live. The Consultant shall correct and repair, at no cost to the OCTA, any defect, malfunction, or non-conformity that prevents the application from performing in accordance with requirements set forth in this SOW.

- The warranty period shall begin on the Go-Live date if all bugs and defects previously reported during testing have been resolved to the OCTA's satisfaction. Go-Live constitutes the date when the solution is formally accepted in writing and ready for deployment in the OCTA's production environment. All bugs, defects, and issues

previously reported during testing shall be fixed to the OCTA's satisfaction before the solution can be formally accepted for Go-Live and before warranty can begin. A test in production is not considered Go-Live.

- If minor issues remain and it is mutually agreed by OCTA and the Consultant to proceed with the Go-Live in production to allow the Consultant additional time past Go-Live to resolve these minor issues that shall not initiate the start of warranty. In this case a separate written acceptance shall be provided to commence the warranty period after all remaining issues have been fixed by the Consultant and accepted by OCTA.

The Consultant shall provide help desk services to troubleshoot and resolve system issues or questions. The Consultant shall provide a support phone number and website where issues can be raised, documented, managed and monitored.

Lessons learned from the Consultant's perspective shall be submitted in a timely manner 30-60 days after Go-Live.

Objective

- On-going support on the business application
- Continuous improvements to the business application

Deliverables

9.1 Help Desk contact information, web-based tracking tool, Help Desk services and software fixes, where appropriate
9.2 Regular installation of software patches or releases to the application
9.3 Lessons Learned document

If the Consultant wishes to propose modifications to the project implementation tasks and deliverables noted above, it shall do so on the Project Task Deliverables Table (Attachment B). The Consultant shall clearly indicate which efforts or deliverables would not be delivered or how the proposed modification would change the tasks and deliverables. For example, if a pilot phase is not recommended, then the Consultant shall clearly indicate as such and explain why it would not be needed or if an alternative is proposed.

Priority Level Descriptions

Performance expectations and SLA statistics are shown on the Software Performance SLA sheet in the EAM Requirements List (Attachment C).

P1: Production instance totally unavailable to all users at a Site. OCTA is unable to perform a critical business function at all or any sites, and no reasonable work-around. Security breach within OCTA's environment.

SLA: For critical issues OCTA expects confirmation from the Consultant regarding the issue within two (2) hours and a solution within twenty-four (24) hours of the request.

Examples:
1. Production instance not available for use.
2. Function does not work.

P2: Production instance unavailable to single user. Critical function unavailable to all Users at a Site, and no reasonable workaround exists. Production performance significantly degraded causing disruption of the business operations of OCTA. Non-production instance totally unavailable.

SLA: OCTA expects confirmation from the Consultant regarding the issue within eight (8) business hours and a solution within three (3) business days of the request.

Examples:
1. Very slow production system performance;
2. Unable to print any reports;
3. Individual User unable to connect;
4. Creation or reset of User accounts;
5. Migrate major bug or enhancement code to Production Environment.

P3: Single function unavailable to all users at a site, but a reasonable workaround exists. Maintenance task in production environment that has minimal impact on OCTA.

SLA: OCTA expects confirmation from the Consultant regarding the issue within three (3) business days and a solution within five (5) business days of the request.

Examples:
1. Unable to print a non-critical report;
2. Configure a new printer;
3. Create developer account;
4. Migrate minor bug or enhancement code to production environment.

P4: Minor fault that has minimal impact on the business operations of the Customer for which an acceptable work-around exists. Maintenance task in non-production environment.

SLA: OCTA expects confirmation from the Consultant regarding the issue within five (5) business days and a solution within two (2) calendar weeks of the request.

Examples:
1. Migrate code to Non-Production Environment.
2. Refresh Non-production database.

8. APPENDIX 1: EXISTING SYSTEM REPORTS

For the purposes of defining the reporting requirements, examples of the existing OCTA Maintenance Key Indicators (MKI) report, the eight (8) Ellipse-generated reports, and 71 Business Objects Reports are listed and shown below. The new system should provide reports equivalent to all these reports.

OCTA Maintenance Key Indicator (MKI) Report:

The MKI report includes highlighting to reflect the information OCTA would expect to be delivered from the EAM solution.

Maintenance Key Indicators Report
April 2019 - Standards and Performance: Department Total

Measurements		Goal	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYTD
Efficiency															
MPG - 40-ft. CNG			3.16	3.14	3.14	3.24	3.32	3.41	3.45	3.44	3.37	3.27			3.29
MPG - 60-ft. CNG			2.37	2.37	2.39	2.47	2.52	2.60	2.62	2.59	2.53	2.43			2.49
PM Inspections OTP	=	100.0%	98.4%	99.0%	99.5%	99.5%	99.5%	97.9%	98.6%	99.4%	99.5%	100.0%			99.1%
PM Inspections On-time			189	200	182	204	195	184	205	176	212	198			1,945
Total PM Inspections			192	202	183	205	196	188	208	177	213	198			1,962
CPM - Total Costs			$1.76	$2.33	$2.16	$2.51	$2.35	$2.97	$2.60	$2.31	$2.54	$2.36			$2.39
CPM - Direct Costs	<	$0.78	$0.65	$0.64	$0.66	$0.71	$0.75	$0.71	$0.77	$0.74	$0.77	$0.70			$0.71
Attendance	>	97.0%	98.7%	98.6%	98.3%	98.4%	99.1%	99.2%	99.4%	98.4%	99.0%	99.3%			98.8%
OT - Scheduled	<	1.5%	1.8%	0.0%	1.9%	0.0%	7.0%	2.2%	1.4%	4.0%	0.0%	0.0%			1.7%
OT - Unscheduled	<	3.0%	1.6%	2.9%	3.2%	3.5%	3.1%	2.9%	1.2%	1.6%	1.9%	1.6%			2.3%
% of Unavailable Staff			16.3%	19.1%	13.4%	11.3%	15.3%	21.4%	13.2%	14.9%	15.0%	16.5%			15.6%
Effectiveness															
% of Buses on Hold	<	15.0%	18.4%	11.5%	13.4%	12.6%	13.2%	13.7%	13.8%	13.5%	13.7%	13.5%			13.7%
Buses on Hold			1,157	768	772	833	843	838	922	800	858	888			8,679
Buses at the Base			6,292	6,665	5,768	6,625	6,379	6,107	6,693	5,924	6,258	6,571			63,282
Days Buses were on Hold			44	46	40	46	44	42	46	40	42	44			434
Valid Mechanical MBRC	>	14,000	14,297	16,319	15,082	17,119	16,565	19,915	16,327	13,181	17,541	16,406			16,113
Valid Mechanical Road Calls			83	75	73	70	68	57	72	82	68	71			719
Fleet Miles			1,186,652	1,223,935	1,100,975	1,198,304	1,126,391	1,135,183	1,175,565	1,080,877	1,192,813	1,164,795			11,585,491
Vehicle Damage															
# of Incidents			42	57	49	62	49	56	45	35	43	59			497
Damage Costs			$17,180	$25,153	$36,231	$21,563	$38,523	$17,613	$17,632	$11,866	$17,211	$16,035			$219,007
Vandalism Repair Costs			$1,847	$1,713	$211	$1,358	$2,017	$865	$350	$467	$852	$2,130			$11,811
On-the-Job Injury															
Labor Hours Lost (as a %)	<	2.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%			0.00%
# of Lost Time Occurrences			0	1	0	0	0	0	0	0	0	1			2

Notes

1. Abbreviations Used:

MPG: Miles per [Gasoline] Gallon [Equivalent] CNG: Compressed Natural Gas CPM: Cost Per Mile MBRC: Miles Between Road Calls
LNG: Liquified Natural Gas OTP: On-time Performance OT: Overtime PM: Preventative Maintenance

2. PM Inspections OTP is based on the number of buses inspected within 5,700-6,300 miles of the last inspection before February 2019. Threshold changed to 5,400-6,600 miles effective on February 2019.
3. PM Inspection OTP goal changed from 97% to 100% effective on Feburary 2019.
4. CPM - Total Costs include all Maintenance expenditures excluding the Facilities section.
5. CPM - Direct Costs include only the Parts and Labor costs to maintain the buses.
6. Buses on Hold Percent is calculated by taking the (daily) cumulative number of buses on hold divided by the (daily) cumulative number of buses at the bases.

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.11_StandardsTotal
1 of 23 9/5/2019 1:00 PM

Maintenance Key Indicators Report

OCTA April 2019 - Standards and Performance: Santa Ana Base

Measurements	Goal	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYTD
Efficiency														
MPG - 40-ft. CNG		3.00	2.99	2.99	3.10	3.14	3.25	3.28	3.26	3.21	3.09			3.13
MPG - 60-ft. CNG		2.37	2.37	2.39	2.47	2.52	2.60	2.62	2.59	2.53	2.43			2.49
PM Inspections OTP	= 100.0%	98.1%	100.0%	99.0%	99.1%	100.0%	100.0%	99.1%	98.9%	99.2%	100.0%			99.3%
PM Inspections On-time		102	108	96	110	108	98	110	94	117	115			1,058
Total PM Inspections		104	108	97	111	108	98	111	95	118	115			1,065
CPM - Direct Costs	< $0.78	$0.73	$0.69	$0.71	$0.75	$0.83	$0.74	$0.86	$0.83	$0.80	$0.75			$0.77
Direct Parts + Labor Costs		$462,592	$453,971	$418,305	$488,253	$502,940	$452,307	$546,317	$486,471	$525,810	$476,112			$4,813,079
Direct Parts Costs		$172,476	$174,549	$147,659	$185,627	$193,003	$168,284	$209,273	$180,998	$197,836	$171,773			$1,801,479
Direct Labor Costs		$290,116	$279,422	$270,646	$302,625	$309,937	$284,023	$337,045	$305,473	$327,974	$304,339			$3,011,600
Fleet Miles		636,487	662,020	593,150	648,461	604,967	611,042	632,468	587,745	653,994	636,834			6,267,167
Attendance	> 97.0%	98.4%	98.8%	97.1%	98.9%	98.9%	99.3%	99.7%	96.9%	97.5%	98.9%			98.5%
OT - Scheduled	< 1.5%	2.1%	0.0%	2.2%	0.0%	8.2%	2.3%	1.4%	3.9%	0.0%	0.0%			1.9%
OT - Unscheduled	< 3.0%	1.2%	2.8%	0.6%	1.3%	0.1%	0.8%	2.3%	1.7%	2.8%	2.6%			1.7%
% of Unavailable Staff		17.4%	24.0%	12.2%	12.4%	11.8%	15.7%	10.0%	16.5%	15.9%	17.0%			15.2%
Effectiveness														
% of Buses on Hold	< 15.0%	16.3%	12.0%	12.9%	13.3%	14.6%	14.5%	15.0%	15.1%	14.7%	14.8%			14.3%
Buses on Hold		553	435	404	478	509	482	550	489	501	526			4,927
Buses at the Base		3,388	3,629	3,128	3,589	3,475	3,335	3,657	3,228	3,402	3,564			34,395
Days Buses were on Hold		22	23	20	23	22	21	23	20	21	22			217
Valid Mechanical MBRC	> 14,000	12,990	15,396	12,895	15,440	16,805	16,515	14,055	10,495	15,951	15,163			14,341
Valid Mechanical Road Calls		49	43	46	42	36	37	45	56	41	42			437
Fleet Miles		636,487	662,020	593,150	648,461	604,967	611,042	632,468	587,745	653,994	636,834			6,267,167
Vehicle Damage														
# of Incidents		22	26	19	27	30	28	23	20	21	30			246
Damage Costs		$4,365	$8,030	$5,145	$6,288	$15,853	$7,075	$11,537	$5,945	$4,671	$5,245			$74,156
On-the-Job Injury														
% of Labor Hours Lost	< 2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%			0.00%
Labor Hours Lost		0	0	0	0	0	0	0	0	0	4			4
Regular Hours		8,636	8,346	8,373	9,154	7,797	8,295	9,375	7,746	8,616	8,714			85,052
# of Lost Time Occurrences		0	0	0	0	0	0	0	0	0	1			1

Notes

1. Abbreviations Used:

MPG: Miles per [Gasoline] Gallon [Equivalent] CNG: Compressed Natural Gas CPM: Cost Per Mile MBRC: Miles Between Road Calls
LNG: Liquified Natural Gas OTP: On-time Performance OT: Overtime PM: Preventative Maintenance

2. PM Inspections OTP is based on the number of buses inspected within 5,700-6,300 miles of the last inspection before February 2019. Threshold changed to 5,400-6,600 miles effective on February 2019.
3. PM Inspection OTP goal changed from 97% to 100% effective on Feburary 2019.
4. CPM - Direct Costs include only the Parts and Labor costs to maintain the buses.
5. Buses on Hold Percent is calculated by taking the (daily) cumulative number of buses on hold divided by the (daily) cumulative number of buses at the bases.

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.12_StandardsSNA
2 of 23 9/5/2019 1:00 PM

Maintenance Key Indicators Report

OCTA April 2019 - Standards and Performance: Garden Grove Base

Measurements	Goal	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYTD
Efficiency														
MPG - 40-ft. CNG		3.33	3.29	3.29	3.37	3.49	3.57	3.62	3.61	3.52	3.44			3.45
MPG - 60-ft. CNG		-	-	-	-	-	-	-	-	-	-			-
PM Inspections OTP	= 100.0%	98.9%	97.9%	100.0%	100.0%	98.9%	95.6%	97.9%	100.0%	100.0%	100.0%			98.9%
PM Inspections On-time		87	92	86	94	87	86	95	82	95	83			887
Total PM Inspections		88	94	86	94	88	90	97	82	95	83			897
CPM - Direct Costs	< $0.78	$0.55	$0.59	$0.61	$0.67	$0.66	$0.67	$0.66	$0.64	$0.74	$0.64			$0.64
Direct Parts + Labor Costs		$305,171	$329,704	$311,405	$367,612	$341,929	$348,855	$357,002	$313,667	$396,098	$338,340			$3,409,783
Direct Parts Costs		$88,937	$97,401	$89,228	$109,639	$99,201	$108,476	$117,214	$94,766	$132,292	$111,420			$1,048,575
Direct Labor Costs		$216,234	$232,303	$222,177	$257,973	$242,728	$240,379	$239,788	$218,900	$263,806	$226,919			$2,361,208
Fleet Miles		550,165	561,915	507,825	549,843	521,423	524,141	543,098	493,133	538,819	527,962			5,318,324
Attendance	> 97.0%	98.0%	98.2%	98.7%	98.8%	100.0%	99.4%	98.6%	99.0%	99.9%	99.5%			99.0%
OT - Scheduled	< 1.5%	2.5%	0.0%	2.5%	0.0%	7.6%	3.2%	1.8%	3.3%	0.0%	0.0%			2.0%
OT - Unscheduled	< 3.0%	2.7%	2.9%	6.2%	6.9%	8.3%	7.0%	0.1%	0.2%	0.1%	0.2%			3.4%
% of Unavailable Staff		17.0%	15.4%	16.4%	13.9%	19.9%	26.4%	17.5%	16.5%	20.5%	22.7%			18.5%
Effectiveness														
% of Buses on Hold	< 15.0%	20.8%	11.0%	13.9%	11.7%	11.5%	12.8%	12.3%	11.5%	12.5%	12.0%			13.0%
Buses on Hold		604	333	368	355	334	356	372	311	357	362			3,752
Buses at the Base		2,904	3,036	2,640	3,036	2,904	2,772	3,036	2,696	2,856	3,007			28,887
Days Buses were on Hold		22	23	20	23	22	21	23	20	21	22			217
Valid Mechanical MBRC	> 14,000	16,181	17,560	18,808	19,637	16,294	26,207	20,115	18,967	19,956	18,206			18,859
Valid Mechanical Road Calls		34	32	27	28	32	20	27	26	27	29			282
Fleet Miles		550,165	561,915	507,825	549,843	521,423	524,141	543,098	493,133	538,819	527,962			5,318,324
Vehicle Damage														
# of Incidents		20	31	30	35	19	28	22	15	22	29			251
Damage Costs		$12,815	$17,123	$31,086	$15,274	$22,670	$10,538	$6,095	$5,921	$12,540	$10,790			$144,852
On-the-Job Injury														
% of Labor Hours Lost	< 2.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			0.00%
Labor Hours Lost		0	2	0	0	0	0	0	0	0	0			2
Regular Hours		7,037	7,315	6,769	7,602	6,504	6,527	7,583	6,519	7,074	6,758			69,687
# of Lost Time Occurrences		0	1	0	0	0	0	0	0	0	0			1

Notes

1. Abbreviations Used:

MPG: Miles per [Gasoline] Gallon [Equivalent] CNG: Compressed Natural Gas CPM: Cost Per Mile MBRC: Miles Between Road Calls
LNG: Liquified Natural Gas OTP: On-time Performance OT: Overtime PM: Preventative Maintenance

2. PM Inspections OTP is based on the number of buses inspected within 5,700-6,300 miles of the last inspection before February 2019. Threshold changed to 5,400-6,600 miles effective on February 2019.
3. PM Inspection OTP goal changed from 97% to 100% effective on Feburary 2019.
4. CPM - Direct Costs include only the Parts and Labor costs to maintain the buses.
5. Buses on Hold Percent is calculated by taking the (daily) cumulative number of buses on hold divided by the (daily) cumulative number of buses at the bases.

Maintenance Key Indicators Report

OCTA April 2019 - Standards and Performance: Rebuild, Automotive and Electronics

Measurements		Goal	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYTD
Efficiency															
CPM - Direct Costs	<	$0.12	$0.30	$0.33	$0.34	$0.31	$0.36	$0.28	$0.28	$0.30	$0.24	$0.28			$0.30
Direct Parts + Labor Costs			$38,992	$41,965	$42,031	$40,435	$43,190	$33,332	$32,119	$36,087	$33,293	$34,833			$376,277
Direct Parts Costs			$14,970	$11,755	$11,823	$11,831	$11,602	$10,345	$6,745	$11,344	$9,549	$12,819			$112,781
Direct Labor Costs			$24,022	$30,210	$30,208	$28,604	$31,588	$22,987	$25,374	$24,743	$23,745	$22,015			$263,496
Fleet Miles			129,934	125,996	123,443	129,032	118,368	118,520	113,484	120,737	140,009	125,539			1,245,063
Attendance	>	97.0%	100.0%	98.8%	99.3%	97.4%	98.5%	98.7%	99.9%	99.7%	99.9%	99.5%			99.2%
Sick+Inc.Shift Hours			0	82	40	184	88	72	8	16	8	32			530
Regular Hours			6,385	6,608	6,008	7,160	5,921	5,613	6,704	5,919	6,781	6,665			63,763
OT - Scheduled	<	1.5%	0.8%	0.0%	0.9%	0.0%	4.7%	1.0%	0.8%	4.7%	0.0%	0.0%			1.2%
Holiday Overtime Hours			48	0	56	0	280	56	56	280	0	0			776
Regular Hours			6,385	6,608	6,008	7,160	5,921	5,613	6,704	5,919	6,781	6,665			63,763
OT - Unscheduled	<	3.0%	1.0%	2.9%	3.4%	2.5%	1.4%	1.1%	1.0%	3.2%	2.6%	1.6%			2.1%
Regular Overtime Hours			66	193	204	182	82	60	67	188	174	109			1,324
Regular Hours			6,385	6,608	6,008	7,160	5,921	5,613	6,704	5,919	6,781	6,665			63,763
% of Unavailable Staff			14.0%	17.1%	11.6%	7.2%	14.9%	24.0%	12.6%	11.1%	8.2%	9.5%			12.8%
Unavailable Staff Hours			895	1,127	696	515	885	1,348	845	659	556	631			8,156
Regular Hours			6,385	6,608	6,008	7,160	5,921	5,613	6,704	5,919	6,781	6,665			63,763
Labor Hours Lost	<	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			0.00%
Labor Hours Lost			0	0	0	0	0	0	0	0	0	0			0
Regular Hours			6,385	6,608	6,008	7,160	5,921	5,613	6,704	5,919	6,781	6,665			63,763
Lost Time Occurrences			0	0	0	0	0	0	0	0	0	0			0

Notes

1. Abbreviations Used:

MPG: Miles per [Gasoline] Gallon [Equivalent] CNG: Compressed Natural Gas CPM: Cost Per Mile MBRC: Miles Between Road Calls
LNG: Liquified Natural Gas OTP: On-time Performance OT: Overtime PM: Preventative Maintenance

2. CPM - Direct Costs include only the Parts and Labor costs to maintain the non-revenue vehicles.
3. Buses on Hold Percent is calculated by taking the (daily) cumulative number of buses on hold divided by the (daily) cumulative number of buses at the bases.

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.15_StandardsRebuildOthers
4 of 23 9/5/2019 1:00 PM

Maintenance Key Indicators Report

April 2019 - Parts and Labor Costs: Maintenance Bases

	Santa Ana				Garden Grove				Total Directly-Operated Fixed-Route			
Bus Series	Parts	Labor	Miles	CPM	Parts	Labor	Miles	CPM	Parts	Labor	Miles	CPM
2200	$0	$0	0	$0.00	$0	$1,331	0	$0.00	$0	$1,331	0	$0.00
2300	$0	$0	0	$0.00	$0	$0	0	$0.00	$0	$0	0	$0.00
5121	$0	$0	0	$0.00	$10,084	$25,053	58,874	$0.60	$10,084	$25,053	58,874	$0.60
5500	$87,010	$124,063	241,024	$0.88	$0	$0	26	$0.00	$87,010	$124,063	241,051	$0.88
5600	$0	$0	0	$0.00	$0	$0	0	$0.00	$0	$0	0	$0.00
5700	$0	$0	0	$0.00	$85,824	$177,667	400,076	$0.66	$85,824	$177,667	400,076	$0.66
5800	$24,721	$68,155	183,053	$0.51	$15,513	$22,868	68,986	$0.56	$40,234	$91,023	252,039	$0.52
7500	$7,268	$19,548	51,904	$0.52	$0	$0	0	$0.00	$7,268	$19,548	51,904	$0.52
7600	$29,987	$55,467	88,074	$0.97	$0	$0	0	$0.00	$29,987	$55,467	88,074	$0.97
7621	$22,787	$37,105	72,778	$0.82	$0	$0	0	$0.00	$22,787	$37,105	72,778	$0.82
Total Bus	$171,773	$304,339	636,834	$0.75	$111,420	$226,919	527,962	$0.64	$283,193	$531,258	1,164,795	$0.70
Other	$0	$0	0	n/a	$0	$0	0	n/a	$0	$0	0	n/a
Direct Requisitions	$0	$0	n/a	n/a	$0	$0	n/a	n/a	$0	$0	n/a	n/a
Total Other	$0	$0	0	n/a	$0	$0	n/a	n/a	$0	$0	0	n/a
Grand Total	$171,773	$304,339	636,834	$0.75	$111,420	$226,919	527,962	$0.64	$283,193	$531,258	1,164,795	$0.70

Note:

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.16a_BasePartsLabor_Month
5 of 23 9/5/2019 1:00 PM

Maintenance Key Indicators Report

FYTD 2019 - Parts and Labor Costs: Maintenance Bases

	Santa Ana				Garden Grove				Total Directly-Operated Fixed-Route			
Bus Series	Parts	Labor	Miles	CPM	Parts	Labor	Miles	CPM	Parts	Labor	Miles	CPM
2200	$0	$0	0	$0.00	$0	$5,624	0	$0.00	$0	$5,624	0	$0.00
2300	$0	$0	0	$0.00	$0	$549	0	$0.00	$0	$549	0	$0.00
5121	$0	$0	357	$0.00	$121,588	$273,289	501,320	$0.79	$121,588	$273,289	501,677	$0.79
5500	$828,165	$1,280,173	2,358,289	$0.89	$0	$0	26	$0.00	$828,165	$1,280,173	2,358,315	$0.89
5600	$5,351	$0	0	$0.00	$0	$0	0	$0.00	$5,351	$0	0	$0.00
5700	$0	$0	917	$0.00	$822,384	$1,844,623	4,209,325	$0.63	$822,384	$1,844,623	4,210,243	$0.63
5800	$305,607	$659,451	1,913,228	$0.50	$104,603	$237,122	607,467	$0.56	$410,210	$896,573	2,520,695	$0.52
7500	$134,377	$244,620	487,747	$0.78	$0	$0	186	$0.00	$134,377	$244,620	487,933	$0.78
7600	$340,800	$536,659	823,625	$1.07	$0	$0	0	$0.00	$340,800	$536,659	823,625	$1.07
7621	$187,179	$290,698	683,004	$0.70	$0	$0	0	$0.00	$187,179	$290,698	683,004	$0.70
Total Bus	$1,801,479	$3,011,600	6,267,167	$0.77	$1,048,575	$2,361,208	5,318,324	$0.64	$2,850,054	$5,372,808	11,585,491	$0.71
Other	$0	$0	0	n/a	$0	$0	0	n/a	$0	$0	0	n/a
Direct Requisitions	$0	$0	0	n/a	$0	$0	0	n/a	$0	$0	n/a	n/a
Total Other	$0	$0	0	n/a	$0	$0	n/a	n/a	$0	$0	0	n/a
Grand Total	$1,801,479	$3,011,600	6,267,167	$0.77	$1,048,575	$2,361,208	5,318,324	$0.64	$2,850,054	$5,372,808	11,585,491	$0.71

Note:

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.16b_BasePartsLabor_YTD
6 of 23
9/5/2019 1:00 PM

Maintenance Key Indicators Report

April 2019 - Parts and Labor Costs: Rebuild, Special Projects and Automotive

	Rebuild				Special Projects				Automotive			
Bus Series	Parts	Labor	Miles	CPM	Parts	Labor	Miles	CPM	Parts	Labor	Miles	CPM
2200	$0	$0	0	$0.00	$0	$0	0	$0.00	n/a	n/a	n/a	n/a
2300	$0	$0	0	$0.00	$0	$0	0	$0.00	n/a	n/a	n/a	n/a
5121	$0	$0	58,874	$0.00	$28	$780	58,874	$0.01	n/a	n/a	n/a	n/a
5500	$0	$0	241,051	$0.00	$0	$0	241,051	$0.00	n/a	n/a	n/a	n/a
5600	$0	$0	0	$0.00	$0	$0	0	$0.00	n/a	n/a	n/a	n/a
5700	$0	$0	400,076	$0.00	$0	$222	400,076	$0.00	n/a	n/a	n/a	n/a
5800	$0	$0	252,039	$0.00	$0	$0	252,039	$0.00	n/a	n/a	n/a	n/a
7500	$0	$0	51,904	$0.00	$0	$0	51,904	$0.00	n/a	n/a	n/a	n/a
7600	$0	$0	88,074	$0.00	$0	$0	88,074	$0.00	n/a	n/a	n/a	n/a
7621	$0	$0	72,778	$0.00	$0	$0	72,778	$0.00	n/a	n/a	n/a	n/a
9000	$0	$0	0	$0.00	$0	$0	0	$0.00	$12,817	$20,550	125,413	$0.27
Total Bus	**$0**	**$0**	**1,164,795**	**$0.0000**	**$28**	**$1,003**	**1,164,795**	**$0.0009**	**$12,817**	**$20,550**	**125,413**	**$0.2661**
Other	$0	$61,086	0	n/a	$0	$0	0	n/a	$1	$1,465	126	$11.60
Direct Requisitions	$0	$0	n/a	n/a	$0	$0	n/a	n/a	$0	$0	n/a	n/a
Total Other	**$0**	**$61,086**	**0**	**n/a**	**$0**	**$0**	**0**	**n/a**	**$1**	**$1,465**	**n/a**	**n/a**
Grand Total	**$0**	**$61,086**	**1,164,795**	**$0.0524**	**$28**	**$1,003**	**1,164,795**	**$0.0009**	**$12,819**	**$22,015**	**125,539**	**$0.2775**

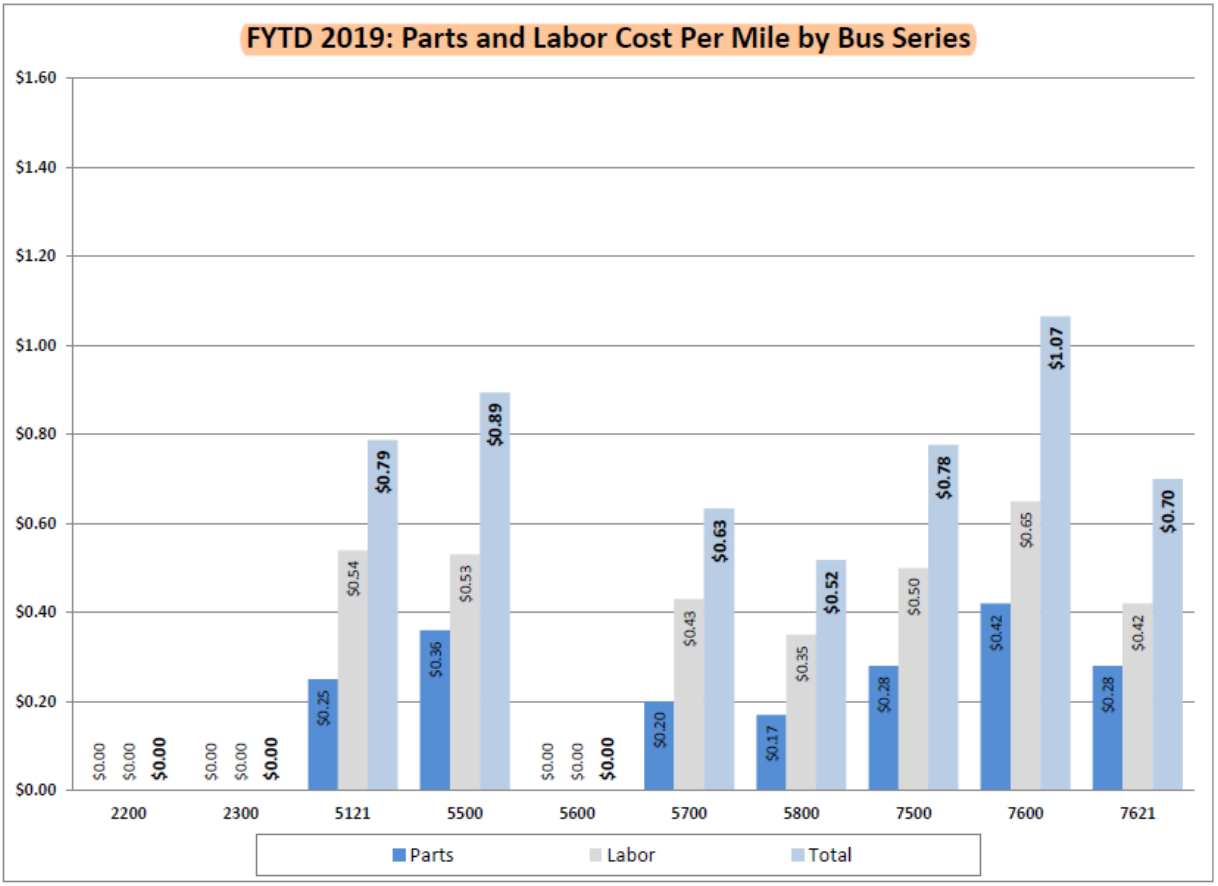
Notes

1. Special Projects include Transit Technical Service.
2. Other under Automotive includes ROW buses.

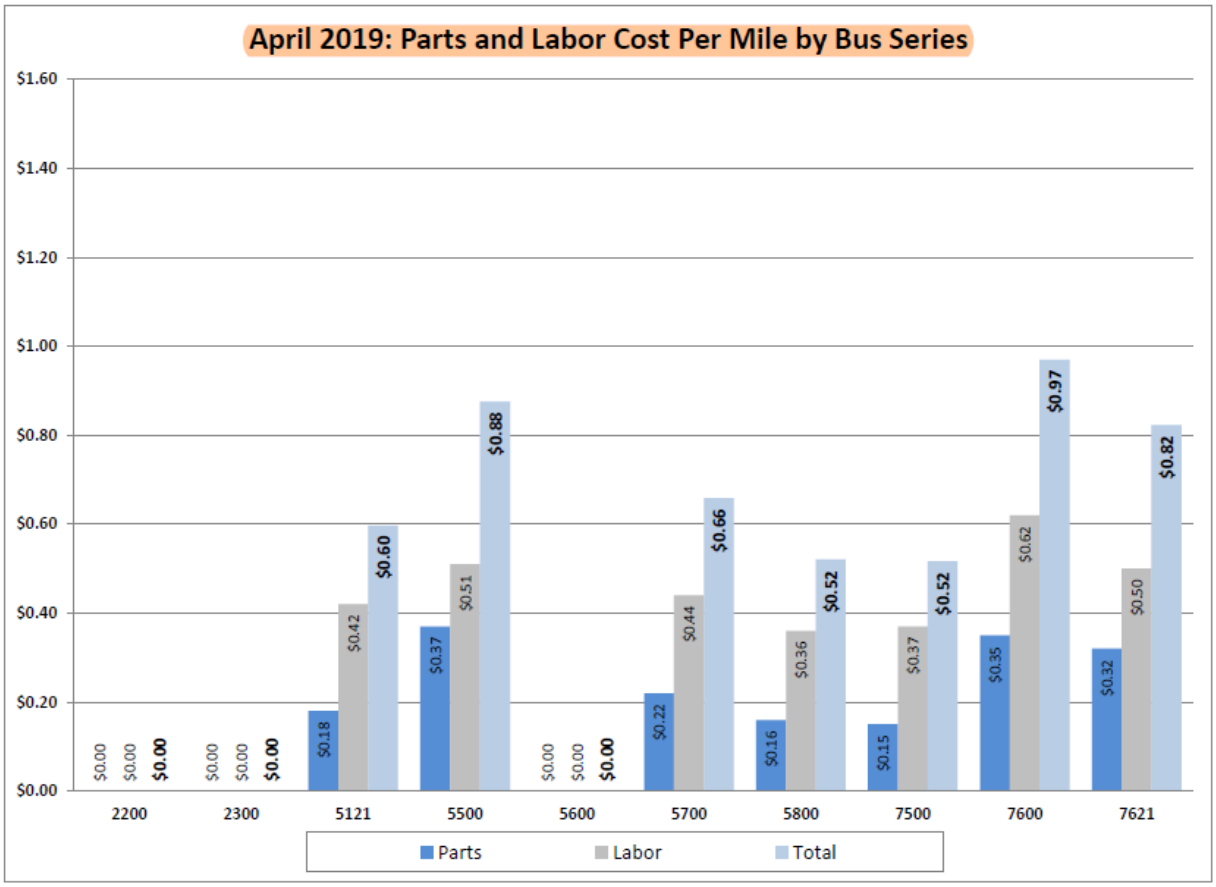
Maintenance Key Indicators Report

FYTD 2019 - Parts and Labor Costs: Rebuild, Special Projects and Automotive

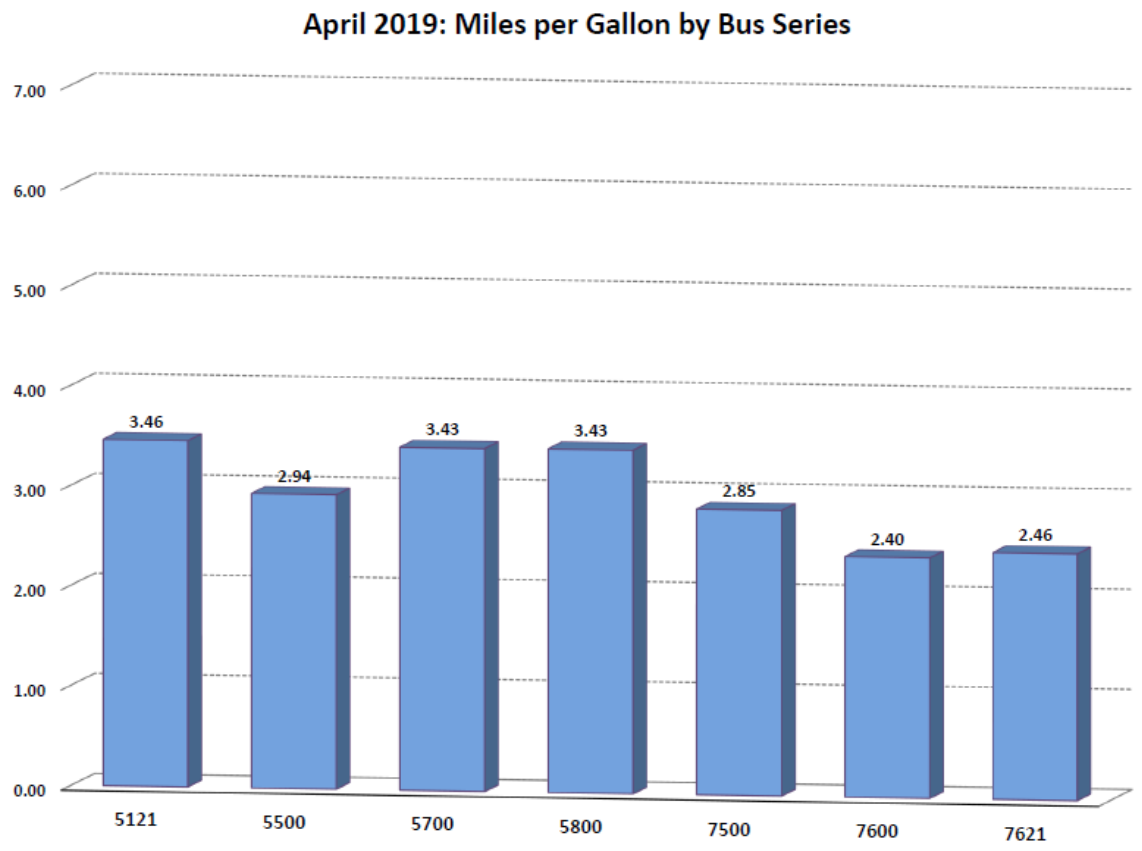
	Rebuild				Special Projects				Automotive			
Bus Series	Parts	Labor	Miles	CPM	Parts	Labor	Miles	CPM	Parts	Labor	Miles	CPM
2200	$0	$0	0	$0.00	$0	$0	0	$0.00	$0	$0	0	$0.00
2300	$0	$0	0	$0.00	$0	$0	0	$0.00	$0	$0	0	$0.00
5121	$0	$0	501,677	$0.00	$24,928	$780	501,677	$0.05	$0	$0	0	$0.00
5500	$0	$0	2,358,315	$0.00	$0	$0	2,358,315	$0.00	$0	$0	0	$0.00
5600	$0	$0	0	$0.00	$0	$0	0	$0.00	$0	$0	0	$0.00
5700	$0	$0	4,210,243	$0.00	$0	$335	4,210,243	$0.00	$0	$0	0	$0.00
5800	$0	$0	2,520,695	$0.00	$0	$0	2,520,695	$0.00	$0	$0	0	$0.00
7500	$0	$0	487,933	$0.00	$165,931	$993	487,933	$0.34	$0	$0	0	$0.00
7600	-$4	$0	823,625	$0.00	$0	$0	823,625	$0.00	$0	$0	0	$0.00
7621	$0	$0	683,004	$0.00	$0	$0	683,004	$0.00	$0	$0	0	$0.00
9000	$0	$0	0	$0.00	$0	$0	0	$0.00	$112,191	$251,299	1,244,020	$0.29
Total Bus	-$4	$0	11,585,491	$0.0000	$190,859	$2,108	11,585,491	$0.0167	$112,191	$251,299	1,244,020	$0.2922
Other	$0	$580,996	0	n/a	$177	$388	0	n/a	$590	$12,196	1,043	$12.26
Direct Requisitions	$0	$0	n/a	n/a	$0	$0	n/a	n/a	$0	$0	n/a	n/a
Total Other	$0	$580,996	0	n/a	$177	$388	0	n/a	$590	$12,196	1,043	$12.26
Grand Total	-$4	$580,996	11,585,491	$0.0501	$191,037	$2,497	11,585,491	$0.0167	$112,781	$263,496	1,245,063	$0.3022



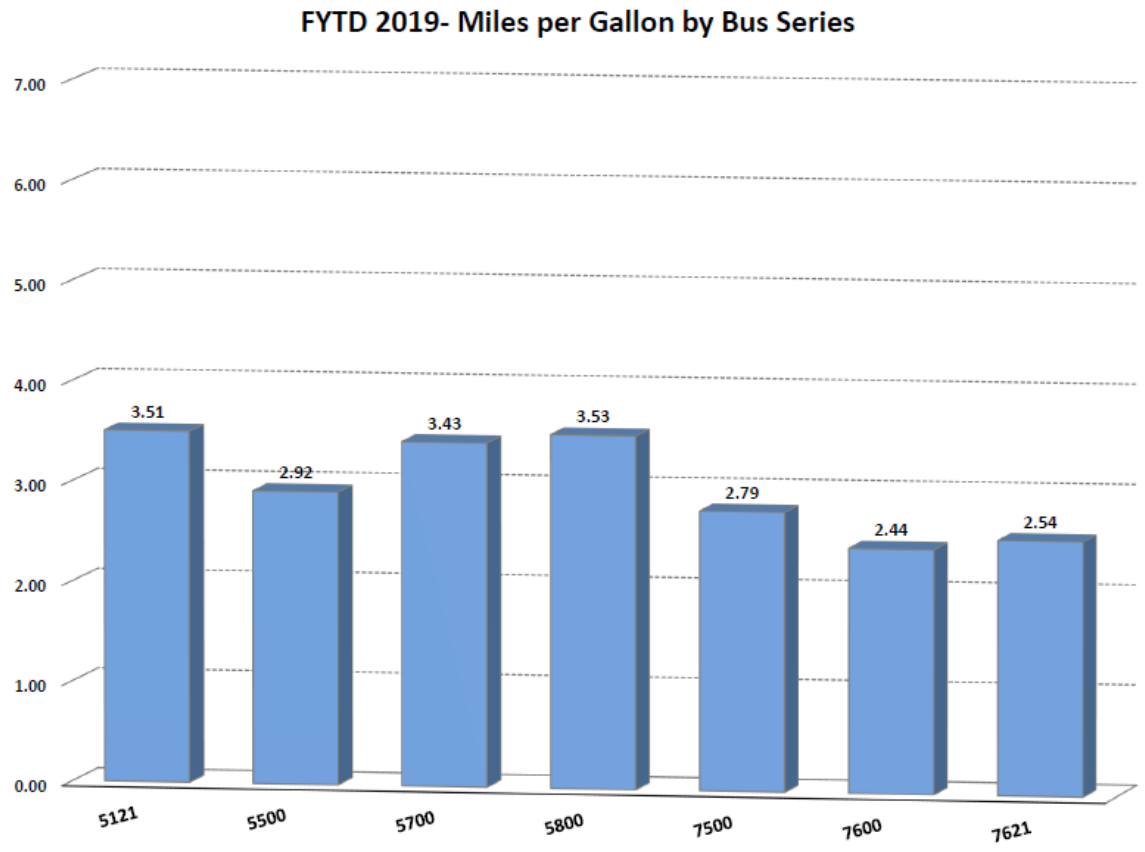
K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.1Chart6
9 of 23
9/5/2019 1:00 PM



K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.1Chart7
10 of 23
9/5/2019 1:00 PM



K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.1Chart8
11 of 23
9/5/2019 1:00 PM

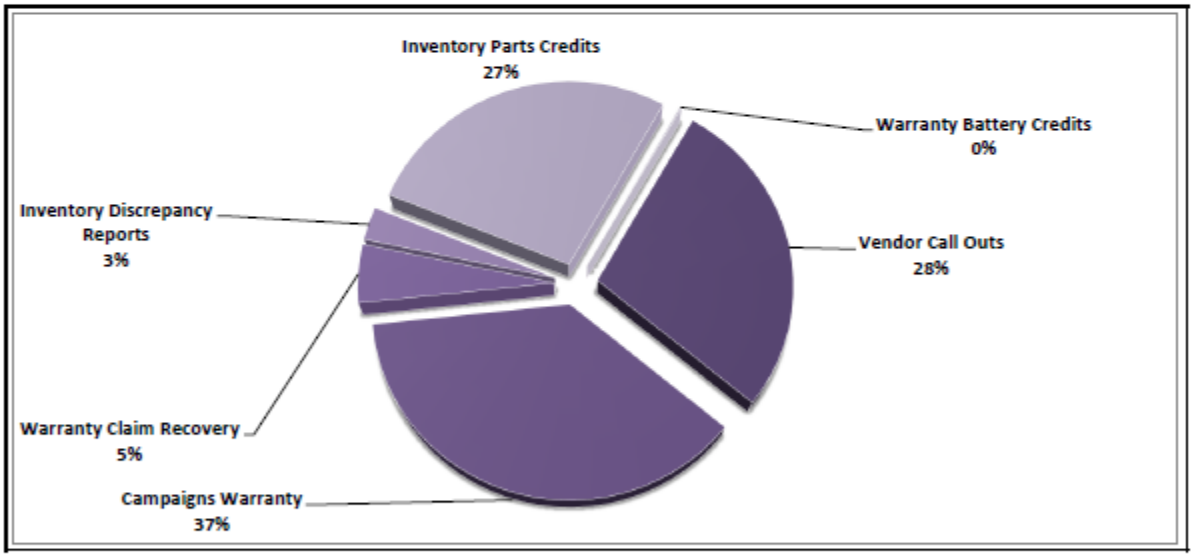


K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.1Chart9
12 of 23
9/5/2019 1:00 PM

Maintenance Key Indicators Report

April 2019 - Warranty Claims Summary

Month	Vendor Call Outs	Campaigns Warranty	Warranty Claim Recovery	Inventory Discrepancy Reports	Inventory Parts Credits	Warranty Battery Credits	Total
July	$90,531	$135,133	$0	$1,721	$27,681	$0	$255,066
August	$71,794	$71,488	$15,080	$8,942	$126,267	$0	$293,571
September	$73,942	$95,965	$4,459	$5,146	$43,231	$1,091	$223,835
October	$46,507	$101,390	$13,812	$4,736	$92,970	$851	$260,266
November	$23,904	$100,288	$4,472	$1,677	$95,056	$0	$225,397
December	$15,898	$116,535	$21,146	$2,628	$43,568	$0	$199,774
January	$26,938	$154,678	$4,642	$12,066	$30,015	$0	$228,339
February	$36,764	$85,719	$28,393	$7,455	$44,826	$1,091	$204,249
March	$160,254	$0	$15,249	$14,985	$89,730	$480	$280,698
April	$114,110	$33,568	$11,875	$7,686	$54,940	$0	$222,180
May							$0
June							$0
Total	$660,642	$894,766	$119,128	$67,042	$648,284	$3,514	$2,393,375



Notes

1. **Claims Credit**: Failed parts that are on a bus under warranty (e.g., If bus has fan to flywheel warranty and a starter motor goes out, a warranty claim is filed to receive credit for that part).
2. **Inventory Discrepancy**: All other defective parts. Most all major components come with a 6-12 month warranty from the date of install.
3. Data Source: FYTD 2019 Warranty Department Monthly Report, CAMM Inventory Team Section Manager

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.111_WarrantyClaims

13 of 23 9/5/2019 1:00 PM

Maintenance Key Indicators Report

April 2019 - Road Calls by Category (excluding farebox, headsign and radio)

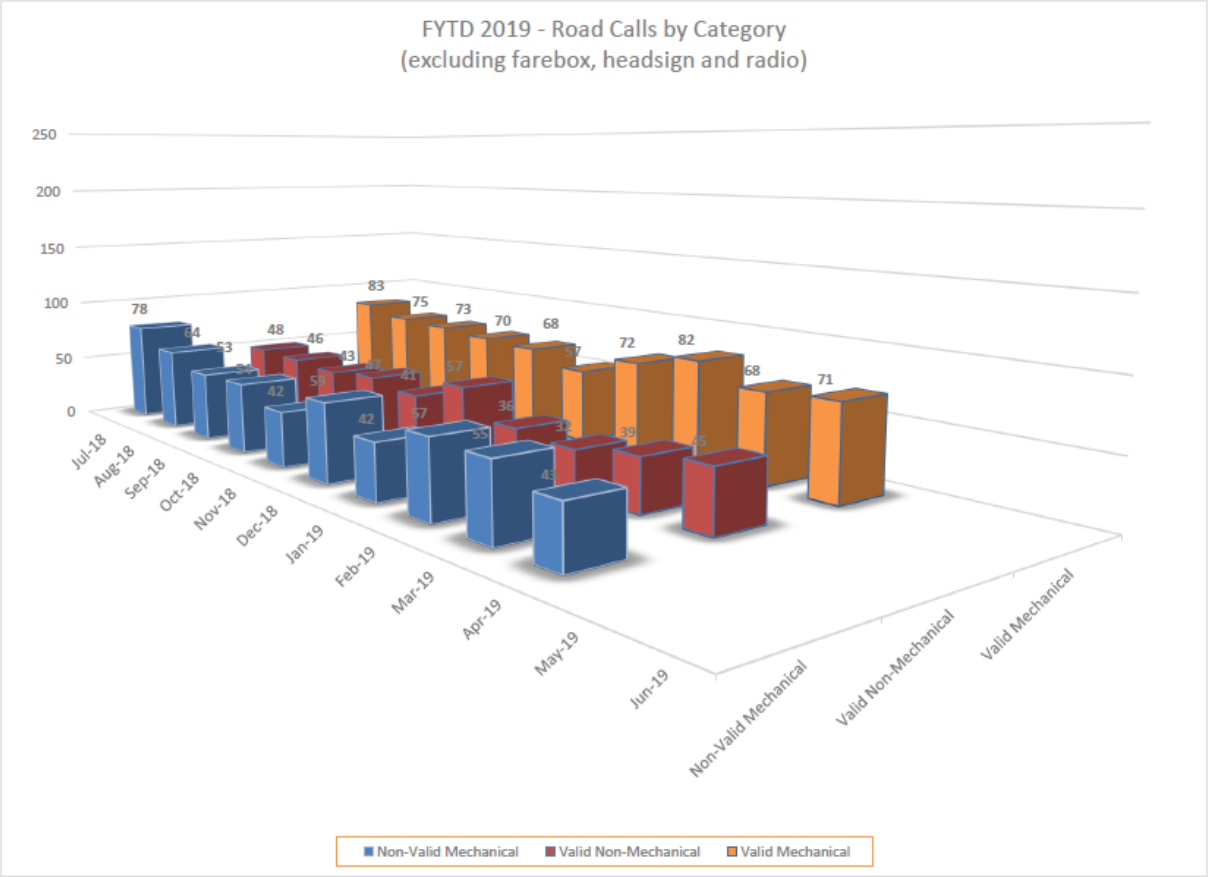
Road Calls		Santa Ana		Garden Grove		Total	
Code	Description	Valid	Non-Valid	Valid	Non-Valid	Valid	Non-Valid
A	Air System	1	3	-	-	1	3
B	Brake System	-	2	2	-	2	2
B1	Interlock System	-	-	-	-	-	-
D	Engine	8	4	13	-	21	4
D1	Hot Engine	-	-	-	-	-	-
E	Electrical	8	13	-	-	8	13
E2	Lighting System	3	2	2	1	5	3
E3	Chime System	1	-	-	-	1	-
E4	Kneeling System	-	-	-	-	-	-
E5	Charging System	5	2	1	-	6	2
F	Starting System	1	3	1	-	2	3
G	Drivers Seat	1	-	2	1	3	1
G1	Windows	-	-	-	-	-	-
G2	Passenger Seats	-	-	-	-	-	-
G3	Body Panels	-	1	-	-	-	1
G4	Seat Belt	-	-	-	3	-	3
G5	Bike Rack	-	1	-	-	-	1
H	Air Conditioning System	2	3	-	-	2	3
H1	Heater System	-	-	-	-	-	-
H2	Defroster System	-	-	-	-	-	-
H3	Fumes	-	-	-	-	-	-
L	Fuel System	-	-	1	-	1	-
M	Suspension	-	-	-	-	-	-
M1	Drive Line	-	-	-	-	-	-
M2	Differential	-	-	-	-	-	-
N	Cooling System	4	-	-	-	4	-
O	Oil System	-	-	-	-	-	-
P	Rear Door System	3	-	1	-	4	-
P1	Front Door System	1	1	3	-	4	1
R	Wiper System	-	-	-	-	-	-
S	Steering System	-	-	-	-	-	-
T	Transmission	3	1	3	-	6	1
U	Retarder System	-	-	-	-	-	-
W	Fire	-	-	-	-	-	-
X	Hydraulic System	-	-	-	-	-	-
Y	Wheelchairs	1	1	-	1	1	2
Z	Out of Fuel	-	-	-	-	-	-
	Total Mechanical	42	37	29	6	71	43
C	Tire	5	n/a	6	n/a	11	n/a
I	Sick Passenger	1	n/a	4	n/a	5	n/a
I1	Vandalism	-	n/a	1	n/a	1	n/a
I2	Critters	-	n/a	-	n/a	-	n/a
I3	Customer Residue	13	n/a	10	n/a	23	n/a
IN	Field Incident	-	n/a	-	n/a	-	n/a
J	Accident	1	n/a	2	n/a	3	n/a
NC	No Coach Operators	-	n/a	-	n/a	-	n/a
Q	Operator Error	-	n/a	-	n/a	-	n/a
TR	Traffic/Late	-	n/a	-	n/a	-	n/a
TS	Terminal Swap	-	n/a	-	n/a	-	n/a
V	Mirror	2	n/a	-	n/a	2	n/a
WE	Window Error	-	n/a	-	n/a	-	n/a
	Total Non-Mechanical	22	n/a	23	n/a	45	n/a
	Valid Mechanical Roadcall %		42%		50%		45%
	Non-Valid Mechanical Roadcall %		37%		10%		27%
	Non-Mechanical Roadcall %		22%		40%		28%
	Total Miles Traveled		636,834		527,962		1,164,795
	Miles Between Valid Mech. RC's		15,163		18,206		16,406
	Miles Between Non-Mechanical RC's		28,947		22,955		25,884

Maintenance Key Indicators Report

FYTD 2019 - Road Calls by Category (excluding farebox, headsign and radio)

Road Calls		Santa Ana		Garden Grove		Total	
Code	Description	Valid	Non-Valid	Valid	Non-Valid	Valid	Non-Valid
A	Air System	18	16	6	3	24	19
B	Brake System	17	29	14	16	31	45
B1	Interlock System	3	6	1	2	4	8
D	Engine	79	48	79	11	158	59
D1	Hot Engine	2	-	-	-	2	-
E	Electrical	95	112	21	4	116	116
E2	Lighting System	13	36	14	4	27	40
E3	Chime System	5	14	16	4	21	18
E4	Kneeling System	2	2	-	-	2	2
E5	Charging System	41	11	5	1	46	12
F	Starting System	12	19	7	6	19	25
G	Drivers Seat	7	4	6	7	13	11
G1	Windows	1	-	1	-	2	-
G2	Passenger Seats	4	5	1	-	5	5
G3	Body Panels	8	16	5	3	13	19
G4	Seat Belt	1	-	6	9	7	9
G5	Bike Rack	4	7	5	4	9	11
H	Air Conditioning System	17	47	14	8	31	55
H1	Heater System	-	-	1	2	1	2
H2	Defroster System	3	1	-	1	3	2
H3	Fumes	1	1	-	1	1	2
L	Fuel System	3	4	8	4	11	8
M	Suspension	2	4	2	-	4	4
M1	Drive Line	-	-	-	-	-	-
M2	Differential	-	-	-	-	-	-
N	Cooling System	40	7	16	-	56	7
O	Oil System	1	-	-	-	1	-
P	Rear Door System	14	16	16	4	30	20
P1	Front Door System	9	7	9	3	18	10
R	Wiper System	8	5	12	-	20	5
S	Steering System	-	1	-	-	-	1
T	Transmission	12	7	7	1	19	8
U	Retarder System	-	-	1	1	1	1
W	Fire	-	1	-	-	-	1
X	Hydraulic System	1	-	-	-	1	-
Y	Wheelchairs	13	16	9	6	22	22
Z	Out of Fuel	1	-	-	-	1	-
	Total Mechanical	437	442	282	105	719	547
C	Tire	62	n/a	48	n/a	110	n/a
I	Sick Passenger	38	n/a	28	n/a	66	n/a
I1	Vandalism	6	n/a	3	n/a	9	n/a
I2	Critters	5	n/a	4	n/a	9	n/a
I3	Customer Residue	113	n/a	98	n/a	211	n/a
IN	Field Incident	-	n/a	-	n/a	-	n/a
J	Accident	2	n/a	7	n/a	9	n/a
NC	No Coach Operators	-	n/a	-	n/a	-	n/a
Q	Operator Error	-	n/a	-	n/a	-	n/a
TR	Traffic/Late	-	n/a	-	n/a	-	n/a
TS	Terminal Swap	-	n/a	-	n/a	-	n/a
V	Mirror	14	n/a	6	n/a	20	n/a
WE	Window Error	-	n/a	-	n/a	-	n/a
	Total Non-Mechanical	240	n/a	194	n/a	434	n/a
	Valid Mechanical Roadcall %		39%		48%		42%
	Non-Valid Mechanical Roadcall %		39%		18%		32%
	Non-Mechanical Roadcall %		21%		33%		26%
	Total Miles Traveled		6,267,167		5,318,324		11,585,491
	Miles Between Valid Mech. RC's		14,341		18,859		16,113
	Miles Between Non-Mechanical RC's		26,113		27,414		26,695

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.112b_RCCategory_YTD
15 of 23
9/5/2019 1:00 PM



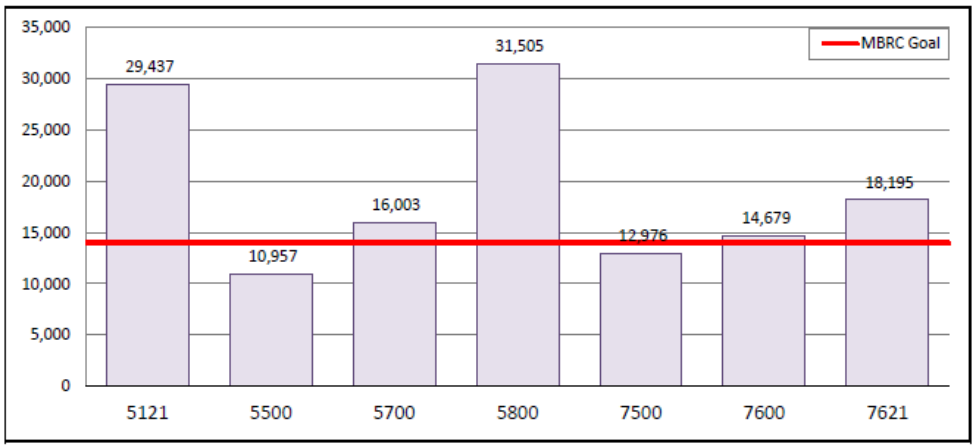
K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.1Chart10
16 of 23

9/5/2019 1:00 PM

Maintenance Key Indicators Report

OCTA April 2019 - Road Calls by Bus Series (excluding farebox, headsign and radio)

Bus Series	Mechanical		Non-Mechanical		Total Miles Traveled	Miles Between Valid Road Calls
	Valid	Non-Valid	Valid	Non-Valid		
5121	2	1	-	n/a	58,874	29,437
5500	22	16	8	n/a	241,051	10,957
5700	25	5	23	n/a	400,076	16,003
5800	8	8	5	n/a	252,039	31,505
7500	4	4	2	n/a	51,904	12,976
7600	6	5	3	n/a	88,074	14,679
7621	4	4	4	n/a	72,778	18,195
Total	71	43	45	-	1,164,795	16,406



Note:

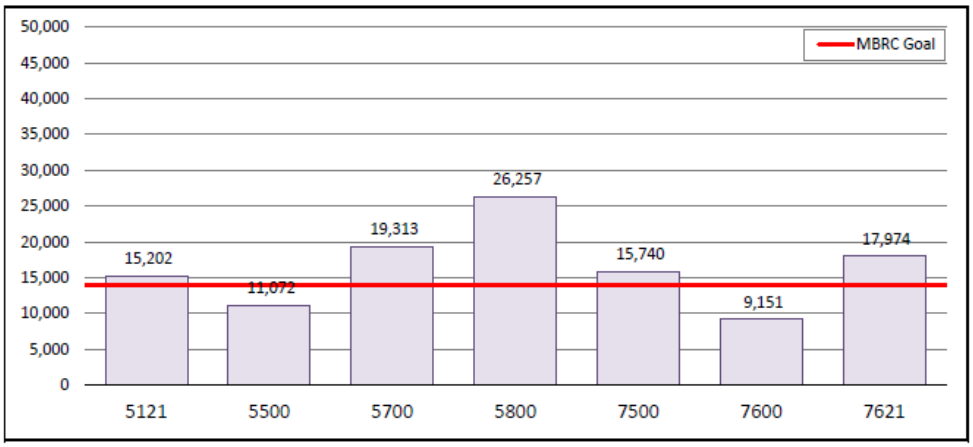
K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.114a_RCSeries_Month
17 of 23

9/5/20191:00 PM

Maintenance Key Indicators Report

FYTD 2019 - Road Calls by Bus Series (excluding farebox, headsign and radio)

Bus Series	Mechanical		Non-Mechanical		Total Miles Traveled	Miles Between Valid Road Calls
	Valid	Non-Valid	Valid	Non-Valid		
5121	33	11	8	n/a	501,677	15,202
5500	213	212	98	n/a	2,358,315	11,072
5700	218	84	167	n/a	4,210,243	19,313
5800	96	84	89	n/a	2,520,695	26,257
7500	31	48	15	n/a	487,933	15,740
7600	90	67	31	n/a	823,625	9,151
7621	38	41	26	n/a	683,004	17,974
Total	719	547	434	-	11,585,491	16,113



Note:

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.114b_RCSeries_YTD
18 of 23

9/5/20191:00 PM

Maintenance Key Indicators Report

April 2019 - All Road Calls by Category and Bus Series (excluding farebox, headsign and radio)

		Road Calls							
Code	Description	5121	5500	5700	5800	7500	7600	7621	Total
A	Air System	-	1	-	-	2	-	1	4
B	Brake System	-	1	2	1	-	-	-	4
B1	Interlock System	-	-	-	-	-	-	-	-
D	Engine	2	6	10	3	2	1	1	25
D1	Hot Engine	-	-	-	-	-	-	-	-
E	Electrical	-	11	-	3	-	6	1	21
E2	Lighting System	-	1	3	2	1	-	1	8
E3	Chime System	-	1	-	-	-	-	-	1
E4	Kneeling System	-	-	-	-	-	-	-	-
E5	Charging System	-	6	1	-	1	-	-	8
F	Starting System	-	2	1	2	-	-	-	5
G	Drivers Seat	-	1	3	-	-	-	-	4
G1	Windows	-	-	-	-	-	-	-	-
G2	Passenger Seats	-	-	-	-	-	-	-	-
G3	Body Panels	-	-	-	-	1	-	-	1
G4	Seat Belt	1	-	2	-	-	-	-	3
G5	Bike Rack	-	-	-	1	-	-	-	1
H	Air Conditioning System	-	-	-	-	-	1	4	5
H1	Heater System	-	-	-	-	-	-	-	-
H2	Defroster System	-	-	-	-	-	-	-	-
H3	Fumes	-	-	-	-	-	-	-	-
L	Fuel System	-	-	1	-	-	-	-	1
M	Suspension	-	-	-	-	-	-	-	-
M1	Drive Line	-	-	-	-	-	-	-	-
M2	Differential	-	-	-	-	-	-	-	-
N	Cooling System	-	2	-	-	-	2	-	4
O	Oil System	-	-	-	-	-	-	-	-
P	Rear Door System	-	1	1	1	1	-	-	4
P1	Front Door System	-	1	3	1	-	-	-	5
R	Wiper System	-	-	-	-	-	-	-	-
S	Steering System	-	-	-	-	-	-	-	-
T	Transmission	-	3	2	2	-	-	-	7
U	Retarder System	-	-	-	-	-	-	-	-
W	Fire	-	-	-	-	-	-	-	-
X	Hydraulic System	-	-	-	-	-	-	-	-
Y	Wheelchairs	-	1	1	-	-	1	-	3
Z	Out of Fuel	-	-	-	-	-	-	-	-
	Total ALL Mechanical	**3**	**38**	**30**	**16**	**8**	**11**	**8**	**114**
C	Tire	-	2	6	-	-	2	1	11
I	Sick Passenger	-	-	4	-	-	-	1	5
I1	Vandalism	-	-	1	-	-	-	-	1
I2	Critters	-	-	-	-	-	-	-	-
I3	Customer Residue	-	4	10	5	1	1	2	23
J	Accident	-	1	2	-	-	-	-	3
V	Mirror	-	1	-	-	1	1	-	3
	Total ALL Non-Mechanical	**-**	**8**	**23**	**5**	**2**	**4**	**4**	**46**

Note:

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.115a_RCCatSeries_Month
19 of 23 9/5/20191:00 PM

Maintenance Key Indicators Report

OCTA FYTD 2019 - All Road Calls by Category and Bus Series (excluding farebox, headsign and radio)

		Road Calls							
Code	Description	5121	5500	5700	5800	7500	7600	7621	Total
A	Air System	1	18	8	3	2	8	3	43
B	Brake System	-	15	28	15	-	10	8	76
B1	Interlock System	-	7	3	-	1	1	-	12
D	Engine	6	63	76	21	4	25	22	217
D1	Hot Engine	-	2	-	-	-	-	-	2
E	Electrical	10	99	14	28	23	46	12	232
E2	Lighting System	3	23	10	16	3	2	10	67
E3	Chime System	-	8	18	4	3	-	6	39
E4	Kneeling System	-	2	-	1	-	1	-	4
E5	Charging System	2	41	4	1	4	3	3	58
F	Starting System	1	13	10	10	5	2	3	44
G	Drivers Seat	1	3	10	7	1	2	-	24
G1	Windows	-	-	1	-	-	1	-	2
G2	Passenger Seats	-	3	1	2	-	3	1	10
G3	Body Panels	-	8	6	6	3	9	-	32
G4	Seat Belt	1	-	13	1	1	-	-	16
G5	Bike Rack	-	3	8	7	1	1	-	20
H	Air Conditioning System	7	33	14	8	9	9	6	86
H1	Heater System	-	-	3	-	-	-	-	3
H2	Defroster System	-	2	1	-	-	2	-	5
H3	Fumes	-	2	1	-	-	-	-	3
L	Fuel System	-	2	11	4	1	1	-	19
M	Suspension	1	4	1	1	-	1	-	8
M1	Drive Line	-	-	-	-	-	-	-	-
M2	Differential	-	-	-	-	-	-	-	-
N	Cooling System	5	20	10	1	6	21	-	63
O	Oil System	-	-	-	-	-	1	-	1
P	Rear Door System	-	5	19	12	9	4	1	50
P1	Front Door System	-	6	10	10	-	-	2	28
R	Wiper System	5	10	5	2	2	-	1	25
S	Steering System	-	-	-	-	-	1	-	1
T	Transmission	1	14	5	6	-	1	-	27
U	Retarder System	-	-	2	-	-	-	-	2
W	Fire	-	-	-	1	-	-	-	1
X	Hydraulic System	-	-	-	1	-	-	-	1
Y	Wheelchairs	-	18	10	12	1	2	1	44
Z	Out of Fuel	-	1	-	-	-	-	-	1
	Total ALL Mechanical	44	425	302	180	79	157	79	1,266
C	Tire	2	35	43	22	2	10	6	120
I	Sick Passenger	1	16	23	15	2	5	4	66
I1	Vandalism	-	2	3	2	-	-	2	9
I2	Critters	-	5	2	2	-	-	-	9
I3	Customer Residue	6	39	87	45	9	14	12	212
J	Accident	-	1	10	1	-	-	-	12
V	Mirror	1	11	5	7	2	5	4	35
	Total ALL Non-Mechanical	10	109	173	94	15	34	28	463

Note:

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.115b_RCCatSeries_YTD
20 of 23

9/5/20191:00 PM

MBRC by Series

OCTA FYTD 2019 - Revenue and Non-Revenue Vehicle Fuels, Fees and Taxes

Bus Series		Goal	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYTD
5121	>	14,000	8,473	8,789	51,030	18,145	9,194	40,764	22,794	15,917	8,949	29,437			15,202
Valid Mechanical Road Call			*6*	*6*	*-*	*3*	*5*	*-*	*2*	*3*	*6*	*2*			*33*
Miles Traveled			*50,840*	*52,732*	*51,030*	*54,434*	*45,968*	*40,764*	*45,587*	*47,752*	*53,696*	*58,874*			*501,677*
5500	>	14,000	8,989	8,791	10,310	15,002	11,884	11,394	15,551	8,262	14,798	10,957			11,072
Valid Mechanical Road Call			*27*	*28*	*22*	*16*	*19*	*20*	*15*	*27*	*17*	*22*			*213*
Miles Traveled			*242,702*	*246,136*	*226,816*	*240,033*	*225,803*	*227,871*	*233,265*	*223,075*	*251,564*	*241,051*			*2,358,315*
5600	>	14,000	-	-	-	-	-	-	-	-	-	-		-	
Valid Mechanical Road Call			*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*			*-*
Miles Traveled			*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*			*-*
5700	>	14,000	17,654	19,505	16,077	21,506	17,329	21,221	22,986	20,431	23,496	16,003			19,313
Valid Mechanical Road Call			*25*	*23*	*25*	*20*	*24*	*20*	*19*	*19*	*18*	*25*			*218*
Miles Traveled			*441,349*	*448,607*	*401,926*	*430,118*	*415,897*	*424,419*	*436,730*	*388,187*	*422,935*	*400,076*			*4,210,243*
5800	>	14,000	31,538	29,279	23,998	17,947	28,529	256,371	17,183	25,107	18,987	31,505			26,257
Valid Mechanical Road Call			*8*	*9*	*10*	*15*	*9*	*-*	*15*	*9*	*13*	*8*			*96*
Miles Traveled			*252,300*	*263,510*	*239,976*	*269,201*	*256,757*	*256,371*	*257,749*	*225,963*	*246,830*	*252,039*			*2,520,695*
6370	>	14,000	-	-	-	-	-	-	-	-	-	-			-
Valid Mechanical Road Call			*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*			*-*
Miles Traveled			*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*			*-*
7500	>	14,000	9,182	52,089	37,964	16,872	40,887	10,770	10,828	9,783	53,243	12,976			15,740
Valid Mechanical Road Call			*6*	*1*	*1*	*3*	*1*	*4*	*5*	*5*	*1*	*4*			*31*
Miles Traveled			*55,092*	*52,089*	*37,964*	*50,615*	*40,887*	*43,078*	*54,142*	*48,917*	*53,243*	*51,904*			*487,933*
7600	>	14,000	10,059	15,571	10,065	10,794	8,391	8,310	6,591	5,993	7,952	14,679			9,151
Valid Mechanical Road Call			*8*	*6*	*8*	*8*	*9*	*9*	*12*	*13*	*11*	*6*			*90*
Miles Traveled			*80,472*	*93,428*	*80,518*	*86,349*	*75,518*	*74,788*	*79,096*	*77,914*	*87,470*	*88,074*			*823,625*
7621	>	14,000	21,299	33,717	8,964	13,511	65,561	16,973	17,249	11,511	38,538	18,195			17,974
Valid Mechanical Road Call			*3*	*2*	*7*	*5*	*1*	*4*	*4*	*6*	*2*	*4*			*38*
Miles Traveled			*63,898*	*67,433*	*62,746*	*67,554*	*65,561*	*67,893*	*68,996*	*69,069*	*77,075*	*72,778*			*683,004*
TOTAL	>	14,000	14,297	16,319	15,082	17,119	16,565	19,915	16,327	13,181	17,541	16,406			16,113
Valid Mechanical Road Call			83	75	73	70	68	57	72	82	68	71			*719*
Miles Traveled*			1,186,652	1,223,935	1,100,975	1,198,304	1,126,391	1,135,183	1,175,565	1,080,877	1,192,813	1,164,795			*11,585,491*

*Total mileage is an estimated calculation.

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.116a_RC YTD

21 of 23

9/5/2019 1:00 PM

Maintenance Key Indicators Report

April 2019 - Revenue and Non-Revenue Vehicle Fuels, Fees and Taxes

Object - Fuel Description	Unit Price	Qty. Fuel	Fuel Cost	User Fees	Fees Cost	Fuel Cost + Fees	Sales Tax	Fuel Cost + Sales Tax	Cost / Unit	Diesel Gallon Equivalent (DGE)
7711 - Diesel Fuel	$2.37	497	$1,178							497
Federal LUST Fee				$0.001000	$0					
Federal Oil Spill Tax				$0.000000	$0					
CA Diesel Tax				$0.000000	$0					
CA AB32 Environment Surcharge				$0.003400	$2					
CA Sales/Use Tax							7.25%			
Orange Co. CA Sales/Use Tax							0.50%			
					$2	$1,180	$91	$1,272	$2.56	
7712 - Unleaded Fuel (Non-Revenue)	$2.84	7,606	$21,596							6,585
Federal L.U.S. T.				$0.001000	$8					
Federal & CA Oil Spill Fee				$0.000000	$0					
CA AB32 Environment Surcharge				$0.003880	$30					
CA Childhood Lead Fee				$0.001500	$11					
State Gasoline Excise Tax				$0.417000	$3,171					
Margin				-$0.161100	-$1,225					
Freight-Fuel Transport				$0.029800	$227		2.75%			
					$2,221	$23,818	$649	$24,467	$3.22	
7718 - Compressed Natl Gas (CNG)	$0.28	373,489								323,367
Therm Conversion	1.14	425,777	$117,217							
Late Payment Penalty/New Service Fee				n/a	$0					
SoCal Gas Customer Charge				n/a	$130					
Operation & Maintenance (O&M)*				$0.258184	$109,929					
Edison Electricity**				$0.119147	$50,730					
Transmission Charge				$0.191470	$81,524					
Municipal Surcharge				$0.004120	$1,754					
Public Purpose Prog Surcharge				$0.025030	$10,657					
State Regulatory Fee				$0.002470	$1,052					
									(per therm)	
					$255,776	$372,992	n/a	$372,992	$0.88	
7719 - Liquified Natural Gas (LNG)	$0.00	0	$0							0
Delivery Fee					$0		7.75%			
					$0	$0	$0	$0	$0.00	
Grand Total		381,591	$139,991		$257,999	$397,990	$740	$398,730		

Note:

*Unit price of fuel includes the cost of operations.

**Edison charges are estimated based on the ISC electricity consumptions.

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.117a_Fuel_Month
22 of 23

9/5/2019 1:00 PM

Maintenance Key Indicators Report

FYTD 2019 - Revenue and Non-Revenue Vehicle Fuels, Fees and Taxes

Object - Fuel Description	Average Unit Price	Total Qty. Fuel	Fuel Cost	User Fees	Fees Cost	Fuel Cost + Fees	Sales Tax	Fuel Cost + Sales Tax	Cost / Unit	Diesel Gallon Equivalent (DGE)
7711 - Diesel Fuel	$2.56	6,697	$17,142							6,697
Federal LUST Fee				$0.001000	$7					
Federal Oil Spill Tax				$0.001317	$9					
CA Diesel Tax				$0.221538	$1,484					
CA AB32 Environment Surcharge				$0.003400	$23					
CA Sales/Use Tax							7.25%			
Orange Co. CA Sales/Use Tax							0.50%			
					$1,506	$18,648	$1,428	$20,076	$3.00	
7712 - Unleaded Fuel (Non-Revenue)	$2.41	75,591	$182,046							65,446
Federal L.U.S. T.				$0.001000	$76					
Federal & CA Oil Spill Fee				$0.002137	$162					
CA AB32 Environment Surcharge				$0.003212	$243					
CA Childhood Lead Fee				$0.001500	$113					
State Gasoline Excise Tax				$0.417000	$31,521					
Margin				-$0.161100	-$12,178					
Freight-Fuel Transport				$0.029800	$2,253		2.75%			
					$22,190	$204,235	$5,555	$209,790	$2.78	
7718 - Compressed Natl Gas (CNG)	$0.64	3,671,710								3,178,970
Therm Conversion	1.14	4,185,750	$2,663,494							
Late Payment Penalty/New Service Fee				n/a	$0					
SoCal Gas Customer Charge				n/a	$1,300					
Operation & Maintenance (O&M)*				$0.25	$1,062,484					
Edison Electricity**				$0.122867	$514,292					
Transmission Charge				$0.135467	$567,029					
Municipal Surcharge				$0.004831	$20,223					
Public Purpose Prog Surcharge				$0.024553	$102,773					
State Regulatory Fee				$0.001742	$7,293					
									(per therm)	
					$2,275,395	$4,938,889	n/a	$4,938,889	$1.18	
7719 - Liquified Natural Gas (LNG)	$0.00	0	$0							0
Delivery Fee					$0		0.00%			
					$0	$0	$0	$0	$0.00	
Grand Total		3,753,998	$2,862,681		$2,299,091	$5,161,772	$6,982	$5,168,754		

Note:

*Unit price of fuel includes the cost of operations.

**Edison charges are estimated based on the ISC electricity consumptions.

K:\MAINT\PeriodReports\Current\FY18-19_MKI_Report\FY19_10_MKI_Report_Apr\20190401_MKI Report_Apr v1.117b_Fuel_YTD
23 of 23

9/5/2019 1:00 PM

Eight (8) Ellipse-generated Reports:

1. OCJ625
2. Discrepancy Report
3. OCJMTE
4. OCJ620
5. Work Order Task – Job Card
6. Purchase Order Print
7. Purchase Order Print CONTRACT
8. PO Print Draft
9. Expedite Letter 1
10. Expedite Letter 2

These Ellipse-generated reports are depicted in screen shots below.

1. OCJ625

Run on: 10/16/19 at: 09:

OCTA PROD

Parent Work Order/Work Order

Page: 1
Report: OCJ625

Parent	00002659	Parent WO Plant	5743	Parent WO	0000003850	Parent WO Raised	12/14/2017
Work Order	01037986	Work Order Plant No.	OFMSNAF301	Work Order Originator	0000000120	Work Order Raised Date	10/07/2019
Parent	00006744	Parent WO Plant	5771	Parent WO	0000003632	Parent WO Raised	08/05/2019
Work Order	01023906	Work Order Plant No.	5787	Work Order Originator	0000003632	Work Order Raised Date	08/05/2019
Parent	00006836	Parent WO Plant	5764	Parent WO	0000003632	Parent WO Raised	08/18/2019
Work Order	01026662	Work Order Plant No.	5744	Work Order Originator	0000003632	Work Order Raised Date	08/18/2019
Work Order	01026663	Work Order Plant No.	5744	Work Order Originator	0000003632	Work Order Raised Date	08/18/2019
Work Order	01026664	Work Order Plant No.	5744	Work Order Originator	0000003632	Work Order Raised Date	08/18/2019
Work Order	01026665	Work Order Plant No.	5744	Work Order Originator	0000003632	Work Order Raised Date	08/18/2019
Work Order	01026666	Work Order Plant No.	5744	Work Order Originator	0000003632	Work Order Raised Date	08/18/2019
Work Order	01026667	Work Order Plant No.	5744	Work Order Originator	0000003632	Work Order Raised Date	08/18/2019
Parent	00006897	Parent WO Plant	5736	Parent WO	0000003850	Parent WO Raised	08/24/2019
Work Order	01028234	Work Order Plant No.	5735	Work Order Originator	0000003850	Work Order Raised Date	08/24/2019
Work Order	01028235	Work Order Plant No.	5735	Work Order Originator	0000003850	Work Order Raised Date	08/24/2019
Work Order	01028236	Work Order Plant No.	5735	Work Order Originator	0000003850	Work Order Raised Date	08/24/2019
Work Order	01028237	Work Order Plant No.	5735	Work Order Originator	0000003850	Work Order Raised Date	08/24/2019
Work Order	01028238	Work Order Plant No.	5735	Work Order Originator	0000003850	Work Order Raised Date	08/24/2019
Work Order	01028239	Work Order Plant No.	5735	Work Order Originator	0000003850	Work Order Raised Date	08/24/2019
Work Order	01028240	Work Order Plant No.	5735	Work Order Originator	0000003850	Work Order Raised Date	08/24/2019

2. Discrepancy report

1 of 1 | dt9447 | Read aloud | Add notes

OCTA

Delivery Location

Santa Ana Base Operations
4301 West MacArthur Blvd
Santa Ana, CA 92704

Report Number: D04057
Date: 10/17/2019

053316
To: THE AFTERMARKET PARTS COMPANY, L
3229 SAWMILL PARKWAY

DELAWARE OH 43015

PO / Item No: A42742 / 006
Shipped Via:
Date:
RA No:
Call Tag No:

DISCREPANCY CODE				REQUESTED ACTION			
STOCK NO	PART NO. AND DESCRIPTION	QTY ORDERED	QTY RECEIVED	QTY REJECTED		DISC CODE NO	ACTION CODE NO
000016049	5004338 VALVE, DRIER PURGE VALVE, W/INSTALLATION KIT MUST BE NEW, NOT REMANUFACTURED OEM AND APPROVED PRODUCTS ONLY WILL BE ACCEPTED	1.00	30.00	SANTA ANA BASE	1.00	DEFECTIVE PART	ISSUE CREDIT MEMO

Unit Amount	Quantity	Taxes	Extended Price
$ 142.66	1	9.25%	$ 155.86

REMARKS/REQUESTED ACTION
LEAKING AIR; FAILED UPON INSTALLATION

Prepared By:	0000004501	Vendor Sign:	Reviewed By:	Date:
Approved By:	0000004501	Print:		
Base/location:	SANTA ANA BASE	Date:		

3. OCJMTE

Employee Labor Time Report
Entry Validation

Work Group	SNAM	Crew	1B1	Period From:	10/17/2019	Period To: 10/17/2019

Date: 10/17/2019

Employee	Employee Name	Hours	Overtime	Work Order	Equipment No.	Work Order Short Description
0000002971	HA,VINH	7.00	0.00	01040079	000020167635	NF CNG ARTIC INSPECTION #1
		1.00	0.00	SAMIND20	000000001000	INDIRECT LABOR - ANNUAL WORK ORDER
	Total	8.00	0.00			

Date: 10/17/2019

Employee	Employee Name	Hours	Overtime	Work Order	Equipment No.	Work Order Short Description
0000003268	MC KENZIE,DAN	1.00	0.00	SAMIND20	000000001000	INDIRECT LABOR - ANNUAL WORK ORDER
		1.50	0.00	01039338	000000001000	R/C TRUCK MULE FORKLIFT 10/13 - 10/19/19
		0.50	0.00	01040306	000000005569	T/S NO START
		2.00	0.00	01040313	000000005510	T/S CEL / LOW COOLANT LIGHT
		0.50	0.00	SAMIND20	000000001000	INDIRECT LABOR - ANNUAL WORK ORDER
		0.50	0.00	SAMIND20	000000001000	INDIRECT LABOR - ANNUAL WORK ORDER
		2.00	0.00	01040298	000020165823	T/S SLOW AIR BUILD UP/AIR LEAK
	Total	8.00	0.00			

4. OCJ620

Run on: 10/17/19 at: 03:

OCTA PROD

Work Order Mandatory Fields Discrepancy

Page: 1
Report: OCJ620

Originator 0000000001 - ELLIPS1 GENERIC

Work Order	Raised Date	Plant No.	Comp. Code	Work Group	Orig. Priority	Type Of Failure (JobCode2)	Cause (JobCode3)	Action (JobCode4)	Warranty (JobCode5)
01039945	10/15/2019	5523	IN85	SNAM	4	G2 (PASSENGER SEATS)	00 (MAINTENANCE)	18 (INSPECTED)	
01038886	10/10/2019	7624	BR00	SNAM	4				
01038889	10/10/2019	7624	BR25	SNAM	4			30 (REPLACED)	
01038640	10/09/2019	5533	AS65	SNAM	4			30 (REPLACED)	
01038656	10/09/2019	5519	TRC5	SNAM	4				
01038663	10/09/2019	5519	XT65	SNAM	4			30 (REPLACED)	
01038355	10/08/2019	5519	TRC5	SNAM	4			25 (REPAIRED)	
01038356	10/08/2019	5519	ENB5	SNAM	4			30 (REPLACED)	
01038371	10/08/2019	5519	HV95	SNAM	4			25 (REPAIRED)	
01038354	10/08/2019	5519	ENA5	SNAM	4				
01037651	10/06/2019	5504	IN65	SNAM	4	00 (MAINTENANCE)		30 (REPLACED)	40 (NOT WARRANTY)
01037639	10/06/2019	5504	BRC5	SNAM	4			30 (REPLACED)	
01037637	10/06/2019	5504	SSC5	SNAM	4				
01037654	10/06/2019	5504	HV10	SNAM	4			30 (REPLACED)	
01037514	10/05/2019	5809	HV10	SNAM	4				
01037528	10/05/2019	5809	SS05	SNAM	4				

5. Work Order Task – Job Card

NOTE: The term "Job Card" is OCTA's Work Order.

0001/01040399/001

Page 1 of 2
Work Order: 01040399
Occurrence No:
Printed On: 10/17/2019 13:19:20

OCTA - Job Card

Equipment_Ref	**8000**	**WO# 01040399**	**Task 001**
Equipment Description	REBUILD		
Standard Job	000071		
Component Code	FB15 - CASH BOX	**Component Modifier**	
Account Code	00301421 - ORANGE CO TRANSIT DISTRICT		

WO Information

WO Description	**CASH BOX, GFI FAREBOX - SN 19454**		
Priority	4 - ROUTINE	**Originator**	HOANG, TOAN
Work Order Type	MT - MAINTENANCE	**Maintenance Type**	RB - REBUILD COMPONENT
Parent WO		**Related WO**	
Creation Hours	00000000	**Completion Hours**	
Raised Date/Time	10/17/2019 13:19:01	**Reference Number**	

Task Information

Task	001 - REBUILD GFI CASH BOX		
Work Group	SNAE - SANTA ANA	**Plan Start Date**	
Safety Instructions	OBSERVE ALL OCTA SAFEY POLICIES	**Task Completion Text Code**	SUBMIT COMPLETED W/O TO SUPERVISOR
Resource Type	ELECTRONIC TECH	**Estimated Hours**	3.5

Completion Comments

REBUILD CASHBOX.
2800 TOAN H

Date	Badge #	Hours

Date	Badge #	Hours

Total

Date Completed	Mechanic/Technician	Supervisor
	Badge No:	Badge No:
	Signature:	Signature:

Work Order: 01040399
Occurrence No:
Printed On: 10/17/2019 13:19:20

0001/01040399/001

OCTA - Job Card

Equipment_Ref 8000 **WO# 01040399** **Task 001**

Material Requirements

Stock Code	Description	Part No	Mnemonic	No. Required
19454C	BOX, CASH			1

Job Instructions

***NOTE:
ALL MAINTENANCE DEPARTMENT POLICIES AND PROCEDURES MUST BE OBSERVED AT ALL TIMES. SAFETY REGULATIONS AND POLICIES & PROCEDURES SHALL BE FOLLOWED. ALL REQUIRED PERSONAL PROTECTIVE EQUIPMENT SHALL BE WORN DURING THE IMPLEMENTATION OF THIS WORK ORDER.

6. Purchase Order Print

Page 1 of 3

DATE 10/17/2019

TO: GRAINGER
1544 BROOKHOLLOW DRIVE

SANTA ANA CA 92705

ATTN: CATHERINE BARTZ
PHONE: 9495053186

SHIP TO: Santa Ana Base Operations
4301 West MacArthur Blvd
Santa Ana, CA 92704

REQUESTOR: PAUL BURCIAGA

PURCHASE ORDER A43640

FOB:	DESTINATION - FREIGHT NO
BUYER:	ANGELA HAHN

EMAIL INVOICES TO VENDORINVOICES@OCTA.NET OR MAIL TO:

Orange County Transportation Authority
PO BOX 14184
Orange, CA 92863-1584
Attn: Accounts Payable

PAYMENT WILL NOT BE MADE UNLESS INVOICE INDICATES PURCHASE ORDER NUMBER.

ITEM NO.	QTY.	U/M	STOCK NO.	DESCRIPTIONS	DELIVERY DATE	TERMS	UNIT PRICE	EXTENSION
				ATTN: BRYAN ROBINSON; SANTA ANA BASE-1				
001	1	PK		GRAINGER# 5CNJ2 4 X 4 STANDARD RECLOSABLE POLY BAG W/ZIP SEAL CLOSER 4 MIL; 1000 PK	10/26/19	NET-30 2168-7799-D2108-N7J	$43.57 TAXABLE	$43.57
002	10	PK		GRAINGER# 5ZW44 9 X 6 STANDARD RECLOSABLE POLY BAG W/ZIP SEAL CLOSER 4 MIL; 100 PK	10/26/19	NET-30 2168-7799-D2108-N7J	$11.24 TAXABLE	$112.40
003	1	PK		GRAINGER# 5CNH8 3 X 2 STANDARD RECLOSABLE POLY BAG W/ZIP SEAL CLOSER 4 MIL; 1000 PK	10/26/19	NET-30 2168-7799-D2108-N7J	$22.67 TAXABLE	$22.67
004	10	PK		GRAINGER# 5ZW40 5 X 3 STANDARD RECLOSABLE POLY BAG W/ZIP SEAL CLOSER 4 MIL; 100 PK	10/26/19	NET-30 2168-7799-D2108-N7J	$4.35 TAXABLE	$43.50

ORANGE COUNTY TRANSPORTATION AUTHORITY

BY:_____

OCTA GENERAL PROVISIONS FOUND ON PAGE 3 ARE INCORPORATED HEREIN.

NOT SUBJECT TO TRANSPORTATION OR FEDERAL EXCISE TAX.

SUBTOTAL	
SALES TAX	
TOTAL	

VENDOR COPY

Page 2 of 3

DATE 10/17/2019

TO: GRAINGER
1544 BROOKHOLLOW DRIVE

SANTA ANA CA 92705

ATTN: CATHERINE BARTZ
PHONE: 9495053186

SHIP TO: Santa Ana Base Operations
4301 West MacArthur Blvd
Santa Ana, CA 92704

REQUESTOR: PAUL BURCIAGA

PURCHASE ORDER A43640

FOB:	DESTINATION - FREIGHT NO
BUYER:	ANGELA HAHN

EMAIL INVOICES TO VENDORINVOICES@OCTA.NET OR MAIL TO:

Orange County Transportation Authority
PO BOX 14184
Orange, CA 92863-1584
Attn: Accounts Payable

PAYMENT WILL NOT BE MADE UNLESS INVOICE INDICATES PURCHASE ORDER NUMBER.

ITEM NO.	QTY.	U/M	STOCK NO.	DESCRIPTIONS	DELIVERY DATE	TERMS	UNIT PRICE	EXTENSION
005	1	PK		GRAINGER# 5CNJ8 8 X 6 STANDARD RECLOSABLE POLY BAG W/ZIP SEAL CLOSER 4 MIL; 1000 PK REQ# 26403 FOR QUOTE# 2042048992 4301 W. MAC ARTHUR BLVD. SANTA ANA, CA 92704 CONFIRMED ORDER BY EMAIL OR PHONE WITH _____ ON _____. DO NOT FAX, WILL CAUSE VENDOR TO DUPLICATE ORDER.	10/26/19	NET-30 2168-7799-D2108-N7J	$77.53 TAXABLE	$77.53

ORANGE COUNTY TRANSPORTATION AUTHORITY

BY:_____

OCTA GENERAL PROVISIONS FOUND ON PAGE 3 ARE INCORPORATED HEREIN.

NOT SUBJECT TO TRANSPORTATION OR FEDERAL EXCISE TAX.

SUBTOTAL	$ 299.67
SALES TAX	$ 27.72
TOTAL	$ 327.39

VENDOR COPY

ORANGE COUNTY TRANSPORTATION AUTHORITY - GENERAL PROVISIONS

INSPECTION AND ACCEPTANCE - All items are subject to final inspection and acceptance by OCTA at destination notwithstanding any payment or prior inspection at SELLERs facilities. Final inspection will be made within a reasonable time after receipt of items hereunder.

CHANGES - By written notice only. OCTA may, from time to time, order work suspension or make changes in quantities, drawings, designs, specifications, place of delivery or delivery schedules, methods of shipment and packaging, and property and services furnished by SELLER. If any such change causes an increase or decrease in the price of this agreement or in the time required for its performance SELLER or OCTA shall promptly notify the other party thereof and assert its claim for adjustment within (30) days after the change is ordered, and an equitable adjustment shall be made. However, nothing in this clause shall excuse SELLER from proceeding immediately with the agreement as changed.

DEFAULT AND EXCESS REPROCUREMENT LIABILITY - OCTA may terminate this agreement if a federal or state proceeding for the relief of debtors is undertaken by or against SELLER, or if SELLER makes an assignment for the benefit of creditors, or if SELLER fails after reasonable notice by OCTA to cure a deficiency in performance or lack of progress thereto, and OCTA shall have such additional remedies as may be available whether or not it so terminates this agreement, including but not limited to the payment by SELLER to OCTA of expenses incurred by OCTA in reprocuring elsewhere the same or similar items or services defaulted by SELLER hereunder.

INDEMNIFICATION - SELLER shall indemnify, defend, and save harmless OCTA from and against any loss, damage, claim, or harm for bodily injuries, including death or damage to property caused by SELLER or its employees, subcontractors, or supplies in connection with the performance of this agreement.

ASSIGNMENTS AND SUBCONTRACTORS - Neither this agreement nor any interest herein nor claim hereunder may be assigned by SELLER either voluntarily or by operation of law, nor may all or substantially all of this agreement be further subcontracted by SELLER without the prior written consent of OCTA. Withholding of consent shall not be deemed to relieve SELLER of its obligations to comply fully with the requirements hereof.

FEDERAL, STATE, AND LOCAL LAWS - SELLER warrants that in the performance of this agreement, it shall comply with all applicable Federal, State and local laws, statutes and ordinances and all lawful orders, rules and regulations thereunder.

INFRINGEMENT INDEMNITY - In lieu of any other warranty by OCTA or SELLER against copyright infringement, statutory, or otherwise, it is agreed that SELLER shall defend at its expense any suit against OCTA based on a claim that any item furnished under this agreement or the normal use or sale thereof infringes any United States Letters Patent or copyright and shall pay cost and damages finally awarded in any such suit, provided that SELLER is notified in writing of the suit and given OCTA, information, assistance at SELLERs expense for the defense of same. If the use or sale of said item is enjoined as a result of such suit, SELLER, at no expense to OCTA, shall obtain for OCTA the right to use and sell said item, or shall substitute an equivalent item acceptable to OCTA and extend this patent indemnity hereto.

TITLE AND RISK OF LOSS - Unless otherwise provided in this agreement, SELLER shall have title to and bear the risk of any loss of or damage to the items purchased hereunder until they are delivered in conformity with this agreement at the F.O.B. point specified herein, and upon such delivery title shall pass from SELLER and SELLERs responsibility for loss or damage shall cease, except for loss or damage resulting from SELLERs negligence. Passing of title upon such delivery shall not constitute acceptance of the item by OCTA.

NOTICE OF LABOR DISPUTE -Whenever SELLER has knowledge that any actual or potential labor dispute may delay this agreement, SELLER shall immediately notify and submit all relevant information to OCTA. SELLER shall insert the substance of this entire clause in any subcontract hereunder as to which a labor dispute may delay this agreement. However, any subcontractor need give notice and information only to its next higher-tier subcontractor.

EQUAL EMPLOYMENT OPPORTUNITY - In connection with the execution of this agreement, SELLER shall not discriminate against any employee or applicant because of race, religion, color, sex or national origin. SELLER shall take affirmative action to insure that applicants are employed and that employees are treated during their employment without regard to their race, religion, color, sex or national origin. Such actions shall include pay, or other forms of compensation and selection for training, including apprenticeship.

PROHIBITED INTEREST - A.)SELLER covenants that no member of, or delegate to, the Congress of the United States shall have any interest, direct or indirect, in the agreement or the proceeds hereof. B.) SELLER further covenants that, for the term of this agreement, no director, member, officer, or employee of the OCTA during his tenure in office or one (1) year thereafter shall have any interest, direct or indirect, in this agreement or the proceeds thereof.

TERMINATION FOR CONVENIENCE - The OCTA may terminate this agreement at any time by giving written notice to SELLER of such termination, effective on the date of such notice. Upon receipt of said notice, SELLER shall immediately take action not to incur any further obligations, costs, or expenses, except as may be reasonably necessary to terminate its activities. All finished or unfinished documents and other materials procured or produced by SELLER hereunder shall, at the option of OCTA, become OCTA property upon the date of such termination.

AUDIT AND INSPECTION OF RECORDS - SELLER shall provide OCTA such access to SELLERs books, records, and facilities as may

Page 1 of 3

DATE 10/17/2019

PURCHASE ORDER A43640

FOB:	DESTINATION - FREIGHT NO
BUYER:	ANGELA HAHN

TO: GRAINGER
1544 BROOKHOLLOW DRIVE

SANTA ANA CA 92705

SHIP TO: Santa Ana Base Operations
4301 West MacArthur Blvd
Santa Ana, CA 92704

EMAIL INVOICES TO VENDORINVOICES@OCTA.NET OR MAIL TO:

Orange County Transportation Authority
PO BOX 14184
Orange, CA 92863-1584
Attn: Accounts Payable

PAYMENT WILL NOT BE MADE UNLESS INVOICE INDICATES PURCHASE ORDER NUMBER.

ATTN: CATHERINE BARTZ
PHONE: 9495053186

REQUESTOR: PAUL BURCIAGA

ITEM NO.	QTY.	U/M	STOCK NO.	DESCRIPTIONS	DELIVERY DATE	TERMS	UNIT PRICE	EXTENSION
				ATTN: BRYAN ROBINSON; SANTA ANA BASE-1				
001	1	PK		GRAINGER# 5CNJ2 4 X 4 STANDARD RECLOSABLE POLY BAG W/ZIP SEAL CLOSER 4 MIL; 1000 PK	10/26/19	NET-30 2168-7799-D2108-N7J	$43.57 TAXABLE	$43.57
002	10	PK		GRAINGER# 5ZW44 9 X 6 STANDARD RECLOSABLE POLY BAG W/ZIP SEAL CLOSER 4 MIL; 100 PK	10/26/19	NET-30 2168-7799-D2108-N7J	$11.24 TAXABLE	$112.40
003	1	PK		GRAINGER# 5CNH8 3 X 2 STANDARD RECLOSABLE POLY BAG W/ZIP SEAL CLOSER 4 MIL; 1000 PK	10/26/19	NET-30 2168-7799-D2108-N7J	$22.67 TAXABLE	$22.67
004	10	PK		GRAINGER# 5ZW40 5 X 3 STANDARD RECLOSABLE POLY BAG W/ZIP SEAL CLOSER 4 MIL; 100 PK	10/26/19	NET-30 2168-7799-D2108-N7J	$4.35 TAXABLE	$43.50

ORANGE COUNTY TRANSPORTATION AUTHORITY

BY:_____

OCTA GENERAL PROVISIONS FOUND ON PAGE 3 ARE INCORPORATED HEREIN.

NOT SUBJECT TO TRANSPORTATION OR FEDERAL EXCISE TAX.

SUBTOTAL	
SALES TAX	
TOTAL	

PURCHASING

Page 2 of 3

DATE 10/17/2019

PURCHASE ORDER A43640

FOB:	DESTINATION - FREIGHT NO
BUYER:	ANGELA HAHN

TO: GRAINGER
1544 BROOKHOLLOW DRIVE

SANTA ANA CA 92705

SHIP TO: Santa Ana Base Operations
4301 West MacArthur Blvd
Santa Ana, CA 92704

EMAIL INVOICES TO VENDORINVOICES@OCTA.NET OR MAIL TO:

Orange County Transportation Authority
PO BOX 14184
Orange, CA 92863-1584
Attn: Accounts Payable

PAYMENT WILL NOT BE MADE UNLESS INVOICE INDICATES PURCHASE ORDER NUMBER.

ATTN: CATHERINE BARTZ
PHONE: 9495053186

REQUESTOR: PAUL BURCIAGA

ITEM NO.	QTY.	U/M	STOCK NO.	DESCRIPTIONS	DELIVERY DATE	TERMS	UNIT PRICE	EXTENSION
005	1	PK		GRAINGER# 5CNJ8 8 X 6 STANDARD RECLOSABLE POLY BAG W/ZIP SEAL CLOSER 4 MIL; 1000 PK REQ# 26403 FOR QUOTE# 2042048992 4301 W. MAC ARTHUR BLVD. SANTA ANA, CA 92704 CONFIRMED ORDER BY EMAIL OR PHONE WITH _____ ON _____. DO NOT FAX, WILL CAUSE VENDOR TO DUPLICATE ORDER.	10/26/19	NET-30 2168-7799-D2108-N7J	$77.53 TAXABLE	$77.53

ORANGE COUNTY TRANSPORTATION AUTHORITY

BY:_____

OCTA GENERAL PROVISIONS FOUND ON PAGE 3 ARE INCORPORATED HEREIN.

NOT SUBJECT TO TRANSPORTATION OR FEDERAL EXCISE TAX.

SUBTOTAL	$ 299.67
SALES TAX	$ 27.72
TOTAL	$ 327.39

PURCHASING

ORANGE COUNTY TRANSPORTATION AUTHORITY - GENERAL PROVISIONS

INSPECTION AND ACCEPTANCE - All items are subject to final inspection and acceptance by OCTA at destination notwithstanding any payment or prior inspection at SELLERs facilities. Final inspection will be made within a reasonable time after receipt of items hereunder.

CHANGES - By written notice only. OCTA may, from time to time, order work suspension or make changes in quantities, drawings, designs, specifications, place of delivery or delivery schedules, methods of shipment and packaging, and property and services furnished by SELLER. If any such change causes an increase or decrease in the price of this agreement or in the time required for its performance SELLER or OCTA shall promptly notify the other party thereof and assert its claim for adjustment within (30) days after the change is ordered, and an equitable adjustment shall be made. However, nothing in this clause shall excuse SELLER from proceeding immediately with the agreement as changed.

DEFAULT AND EXCESS REPROCUREMENT LIABILITY - OCTA may terminate this agreement if a federal or state proceeding for the relief of debtors is undertaken by or against SELLER, or if SELLER makes an assignment for the benefit of creditors, or if SELLER fails after reasonable notice by OCTA to cure a deficiency in performance or lack of progress thereto, and OCTA shall have such additional remedies as may be available whether or not it so terminates this agreement, including but not limited to the payment by SELLER to OCTA of expenses incurred by OCTA in reprocuring elsewhere the same or similar items or services defaulted by SELLER hereunder.

INDEMNIFICATION - SELLER shall indemnify, defend, and save harmless OCTA from and against any loss, damage, claim, or harm for bodily injuries, including death or damage to property caused by SELLER or its employees, subcontractors, or supplies in connection with the performance of this agreement.

ASSIGNMENTS AND SUBCONTRACTORS - Neither this agreement nor any interest herein nor claim hereunder may be assigned by SELLER either voluntarily or by operation of law, nor may all or substantially all of this agreement be further subcontracted by SELLER without the prior written consent of OCTA. Withholding of consent shall not be deemed to relieve SELLER of its obligations to comply fully with the requirements hereof.

FEDERAL, STATE, AND LOCAL LAWS - SELLER warrants that in the performance of this agreement, it shall comply with all applicable Federal, State and local laws, statutes and ordinances and all lawful orders, rules and regulations thereunder.

INFRINGEMENT INDEMNITY - In lieu of any other warranty by OCTA or SELLER against copyright infringement, statutory, or otherwise, it is agreed that SELLER shall defend at its expense any suit against OCTA based on a claim that any item furnished under this agreement or the normal use or sale thereof infringes any United States Letters Patent or copyright and shall pay cost and damages finally awarded in any such suit, provided that SELLER is notified in writing of the suit and given OCTA, information, assistance at SELLERs expense for the defense of same. If the use or sale of said item is enjoined as a result of such suit, SELLER, at no expense to OCTA, shall obtain for OCTA the right to use and sell said item, or shall substitute an equivalent item acceptable to OCTA and extend this patent indemnity hereto.

TITLE AND RISK OF LOSS - Unless otherwise provided in this agreement, SELLER shall have title to and bear the risk of any loss of or damage to the items purchased hereunder until they are delivered in conformity with this agreement at the F.O.B. point specified herein, and upon such delivery title shall pass from SELLER and SELLERs responsibility for loss or damage shall cease, except for loss or damage resulting from SELLERs negligence. Passing of title upon such delivery shall not constitute acceptance of the item by OCTA.

NOTICE OF LABOR DISPUTE -Whenever SELLER has knowledge that any actual or potential labor dispute may delay this agreement, SELLER shall immediately notify and submit all relevant information to OCTA. SELLER shall insert the substance of this entire clause in any subcontract hereunder as to which a labor dispute may delay this agreement. However, any subcontractor need give notice and information only to its next higher-tier subcontractor.

EQUAL EMPLOYMENT OPPORTUNITY - In connection with the execution of this agreement, SELLER shall not discriminate against any employee or applicant because of race, religion, color, sex or national origin. SELLER shall take affirmative action to insure that applicants are employed and that employees are treated during their employment without regard to their race, religion, color, sex or national origin. Such actions shall include pay, or other forms of compensation and selection for training, including apprenticeship.

PROHIBITED INTEREST - A.)SELLER covenants that no member of, or delegate to, the Congress of the United States shall have any interest, direct or indirect, in the agreement or the proceeds hereof. B.) SELLER further covenants that, for the term of this agreement, no director, member, officer, or employee of the OCTA during his tenure in office or one (1) year thereafter shall have any interest, direct or indirect, in this agreement or the proceeds thereof.

TERMINATION FOR CONVENIENCE - The OCTA may terminate this agreement at any time by giving written notice to SELLER of such termination, effective on the date of such notice. Upon receipt of said notice, SELLER shall immediately take action not to incur any further obligations, costs, or expenses, except as may be reasonably necessary to terminate its activities. All finished or unfinished documents and other materials procured or produced by SELLER hereunder shall, at the option of OCTA, become OCTA property upon the date of such termination.

AUDIT AND INSPECTION OF RECORDS - SELLER shall provide OCTA such access to SELLERs books, records, and facilities as may

7. Purchase Order Print CONTRACT

AGREEMENT/CTO PRINT SUMMARY REPORT

AGREEMENT/CTO NO: C91510

PRINT STATUS:	PRINTED	DATE PRINTED:	OCT 17, 2019
AWARDED TO:	ARELLANO ASSOCIATES		
TOTAL AMOUNT:	$ 120,000.00		
DESCRIPTION:	Seeking vendor to assist w/staffing		
SOLICITATION NO.			
REQUISITION NO.	025894		

DEPT NO:	ACCT NO:	PROJECT NO:
0018	7519	A0001-PQ5

*** More line items exist

FUNDING SOURCES:	FEDERAL-FTA	NOT APPLICABLE
UNIQUE TERMS:	NOT APPLICABLE	
JUSTIFICATION:	RFP	NOT APPLICABLE

CA Sign-Off:

8. PO Print Draft

Page 1 of 3

DATE

PURCHASE ORDER A43635

FOB:	DESTINATION - FREIGHT NO
BUYER:	DONALD HERRERA

TO: KONICA MINOLTA BUSINESS
9920 PACIFIC HEIGHTS BLVD.
SUITE # 420
SAN DIEGO CA 92121

SHIP TO: 600 S MAIN ST
ORANGE, CA 92868

EMAIL INVOICES TO VENDORINVOICES@OCTA.NET OR MAIL TO:

Orange County Transportation Authority
PO BOX 14184
Orange, CA 92863-1584
Attn: Accounts Payable

ATTN: KARINE ABEDMAMOORE
PHONE: 8584584222

REQUESTOR: DESIREE FERNANDEZ

PAYMENT WILL NOT BE MADE UNLESS INVOICE INDICATES PURCHASE ORDER NUMBER.

ITEM NO.	QTY.	U/M	STOCK NO.	DESCRIPTIONS	DELIVERY DATE	TERMS	UNIT PRICE	EXTENSION
				For the purchase of various VALO Social Hub software subscription services for the Information Systems Department.				
001		EA		VALO Social Hub ADD-ON Software One-time cost Annual Subscription	10/31/20	NET-30 1282-7612-A5352-9RS	$4,062.50	$4,062.50
002		EA		VALO Video ADD-ON Software.One-time cost Annual Subscription	10/31/20	NET-30 1282-7612-A5352-9RS	$4,062.50	$4,062.50
003		EA		VALO People & Expertise Finder ADD-ON Software one-time cost Annual Subscription	10/31/20	NET-30 1282-7612-A5352-9RS	$4,062.50	$4,062.50
				VERBAL ADDITIONS, DELETIONS, OR MODIFICATIONS OF ANY KIND TO THIS PURCHASE ORDER SHALL BE CONSIDERED UNAUTHORIZED AND INVALID. DO NOT ACCEPT VERBAL MODIFICATIONS FROM ANY EMPLOYEE, AGENT OR				

DRAFT

ORANGE COUNTY TRANSPORTATION AUTHORITY

BY:_____

OCTA GENERAL PROVISIONS FOUND ON PAGE 3 ARE INCORPORATED HEREIN.

NOT SUBJECT TO TRANSPORTATION OR FEDERAL EXCISE TAX.

SUBTOTAL	
SALES TAX	
TOTAL	

VENDOR COPY

DATE

TO: KONICA MINOLTA BUSINESS
9920 PACIFIC HEIGHTS BLVD.
SUITE # 420
SAN DIEGO CA 92121

ATTN: KARINE ABEDMAMOORE
PHONE: 8584584222

SHIP TO: 600 S MAIN ST
ORANGE, CA 92868

REQUESTOR: DESIREE FERNANDEZ

PURCHASE ORDER A43635

FOB:	DESTINATION - FREIGHT NO
BUYER:	DONALD HERRERA

EMAIL INVOICES TO VENDORINVOICES@OCTA.NET OR MAIL TO:

Orange County Transportation Authority
PO BOX 14184
Orange, CA 92863-1584
Attn: Accounts Payable

PAYMENT WILL NOT BE MADE UNLESS INVOICE INDICATES PURCHASE ORDER NUMBER.

ITEM NO.	QTY.	U/M	STOCK NO.	DESCRIPTIONS	DELIVERY DATE	TERMS	UNIT PRICE	EXTENSION
				IMPLIED AGENT OF THE ORANGE COUNTY TRANSPORTATION AUTHORITY. VALID MODIFICATIONS TO THIS PURCHASE ORDER SHALL BE IN THE FORM OF A WRITTEN AMENDMENT, SIGNED BY AN AUTHORIZED MEMBER OF THE ORANGE COUNTY TRANSPORTATION AUTHORITY PROCUREMENT STAFF. PAYMENT UPON APPROVAL OF CORRECT AND COMPLETE INVOICE. A CORRECT AND COMPLETE INVOICE SHALL CONSIST OF AT LEAST THE FOLLOWING ELEMENTS: PURCHASE ORDER NUMBER, DATE OF ORDER, INVOICE NUMBER, DATE OF INVOICE, CONTRACT PAYMENT TERMS, NAME OF BUYER OR CONTRACT ADMINISTRATOR, LINE BY LINE LISTING OF ALL ITEMS BEING INVOICED AND IDENTIFICATION OF INVOICING FIRM. ANY COSTS INCURRED IN EXCESS OF THE TOTAL AMOUNT OF THIS PURCHASE ORDER, WITHOUT BEING AMENDED, SHALL BE CONSIDERED UNAUTHORIZED, AND AS SUCH MAY NOT BE PAID.				

ORANGE COUNTY TRANSPORTATION AUTHORITY

BY:_____

OCTA GENERAL PROVISIONS FOUND ON PAGE 3 ARE INCORPORATED HEREIN.

NOT SUBJECT TO TRANSPORTATION OR FEDERAL EXCISE TAX.

SUBTOTAL	$ 12,187.50
SALES TAX	$ 0.00
TOTAL	$ 12,187.50

VENDOR COPY

DRAFT

ORANGE COUNTY TRANSPORTATION AUTHORITY - GENERAL PROVISIONS

INSPECTION AND ACCEPTANCE - All items are subject to final inspection and acceptance by OCTA at destination notwithstanding any payment or prior inspection at SELLERs facilities. Final inspection will be made within a reasonable time after receipt of items hereunder.

CHANGES - By written notice only, OCTA may, from time to time, order work suspension or make changes in quantities, drawings, designs, specifications, place of delivery or delivery schedules, methods of shipment and packaging, and property and services furnished by SELLER. If any such change causes an increase or decrease in the price of this agreement or in the time required for its performance SELLER or OCTA shall promptly notify the other party thereof and assert its claim for adjustment within (30) days after the change is ordered, and an equitable adjustment shall be made. However, nothing in this clause shall excuse SELLER from proceeding immediately with the agreement as changed.

DEFAULT AND EXCESS REPROCUREMENT LIABILITY - OCTA may terminate this agreement if a federal or state proceeding for the relief of debtors is undertaken by or against SELLER, or if SELLER makes an assignment for the benefit of creditors, or if SELLER fails after reasonable notice by OCTA to cure a deficiency in performance or lack of progress thereto, and OCTA shall have such additional remedies as may be available whether or not it so terminates this agreement, including but not limited to the payment by SELLER to OCTA of expenses incurred by OCTA in reprocuring elsewhere the same or similar items or services defaulted by SELLER hereunder.

INDEMNIFICATION - SELLER shall indemnify, defend, and save harmless OCTA from and against any loss, damage, claim, or harm for bodily injuries, including death or damage to property caused by SELLER or its employees, subcontractors, or supplies in connection with the performance of this agreement.

ASSIGNMENTS AND SUBCONTRACTORS - Neither this agreement nor any interest herein nor claim hereunder may be assigned by SELLER either voluntarily or by operation of law, nor may all or substantially all of this agreement be further subcontracted by SELLER without the prior written consent of OCTA. Withholding of consent shall not be deemed to relieve SELLER of its obligations to comply fully with the requirements hereof.

FEDERAL, STATE, AND LOCAL LAWS - SELLER warrants that in the performance of this agreement, it shall comply with all applicable Federal, State and local laws, statutes and ordinances and all lawful orders, rules and regulations thereunder.

INFRINGEMENT INDEMNITY - In lieu of any other warranty by OCTA or SELLER against copyright infringement, statutory, or otherwise, it is agreed that SELLER shall defend at its expense any suit against OCTA based on a claim that any item furnished under this agreement or the normal use or sale thereof infringes any United States Letters Patent or copyright and shall pay cost and damages finally awarded in any such suit, provided that SELLER is notified in writing of the suit and given OCTA, information, assistance at SELLERs expense for the defense of same. If the use or sale of said item is enjoined as a result of such suit, SELLER, at no expense to OCTA, shall obtain for OCTA the right to use and sell said item, or shall substitute an equivalent item acceptable to OCTA and extend this patent indemnity hereto.

TITLE AND RISK OF LOSS - Unless otherwise provided in this agreement, SELLER shall have title to and bear the risk of any loss of or damage to the items purchased hereunder until they are delivered in conformity with this agreement at the F. O.B. point specified herein, and upon such delivery title shall pass from SELLER and SELLERs responsibility for loss or damage shall cease, except for loss or damage resulting from SELLERs negligence. Passing of title upon such delivery shall not constitute acceptance of the item by OCTA.

NOTICE OF LABOR DISPUTE -Whenever SELLER has knowledge that any actual or potential labor dispute may delay this agreement, SELLER shall immediately notify and submit all relevant information to OCTA. SELLER shall insert the substance of this entire clause in any subcontract hereunder as to which a labor dispute may delay this agreement. However, any subcontractor need give notice and information only to its next higher-tier subcontractor.

EQUAL EMPLOYMENT OPPORTUNITY - In connection with the execution of this agreement, SELLER shall not discriminate against any employee or applicant because of race, religion, color, sex or national origin. SELLER shall take affirmative action to insure that applicants are employed and that employees are treated during their employment without regard to their race, religion, color, sex or national origin. Such actions shall include pay, or other forms of compensation and selection for training, including apprenticeship.

PROHIBITED INTEREST - A.)SELLER covenants that no member of, or delegate to, the Congress of the United States shall have any interest, direct or indirect, in the agreement or the proceeds hereof. B.) SELLER further covenants that, for the term of this agreement, no director, member, officer, or employee of the OCTA during his tenure in office or one (1) year thereafter shall have any interest, direct or indirect, in this agreement or the proceeds thereof.

TERMINATION FOR CONVENIENCE - The OCTA may terminate this agreement at any time by giving written notice to SELLER of such termination, effective on the date of such notice. Upon receipt of said notice, SELLER shall immediately take action not to incur any further obligations, costs, or expenses, except as may be reasonably necessary to terminate its activities. All finished or unfinished documents and other materials procured or produced by SELLER hereunder shall, at the option of OCTA, become OCTA property upon the date of such termination.

AUDIT AND INSPECTION OF RECORDS - SELLER shall provide OCTA such access to SELLERs books, records, and facilities as may

FA-CAMM-019-B.doc (9/25/01) v13

9. Expedite Letter 1

10/01/2019

ABC INDUSTRIES

1234 PARK AVE

CHICAGO, IL 60714

STEVE@ABCINDUSTRIES.COM

Dear Sir/Madam, Shipment of the following items have not been received by OCTA and delivery is past due as of the date above. Please provide status of the following purchase order(s) with revised due date(s) on this form within 48 hours via email. If the specific PO line item (including back orders) has been shipped, include the date shipped, tracking number(s), proof of delivery with signature, PO # or fax information along with this letter.

Order Date	PO#	PO Item No	Original Qty	Remaining Qty	PurchR / Stock	Mfg Part No.	Description	Due Date
09/10/2019	A43308	001	114	84	000022541	ACCUTEK HC19-450 NEWFLYER 097485 R.G.RAY 848-69	CLAMP, TUBE AIR INTAKE TUBE CLAMP	09/28/2019
Reason for Past Due:	[ ]			Revised Due Date:	[ ]			
Date Shipped (if Available):	[ ]			Tracking # (if Available):	[ ]			

Sincerely,

Purchasing Officier: SALLY JONES

Email: SJONES@octa.net

Fax: (714) 555-2222

10. Expedite Letter 2

SECOND AND FINAL NOTICE

10/01/2019

A COMPANY, INC

12345 WESTMINSTER AVE.

GARDEN GROVE CA 92843

SSMITH@ACOMPANY.COM

Standard text for Expedite Letter 2 Dear Sir/Madam, The following item(s) are now 2 weeks past due as of the date of this letter. Please contact me immediately with current delivery status. Failure to respond to this notice may cause OCTA to cancel its order. Should OCTA cancel its order, OCTA shall not be held responsible for any order processing fees, including shipping, return shipping or restocking fees.

Order Date	PO#	PO Item No	Original Qty	Remaining Qty	PurchR / Stock	Mfg Part No.	Description	Due Date
03/24/2017	C53131	001	1	1	017254001		Engine Oil	05/31/2018
Reason for Past Due:	[ ]			Revised Due Date:	[ ]			
Date Shipped (if Available):	[ ]			Tracking # (if Available):	[ ]			

Sincerely,

Purchasing Officer: JOHN SMITH

Email: JSMITH@octa.net

Fax: (714) 555-1234

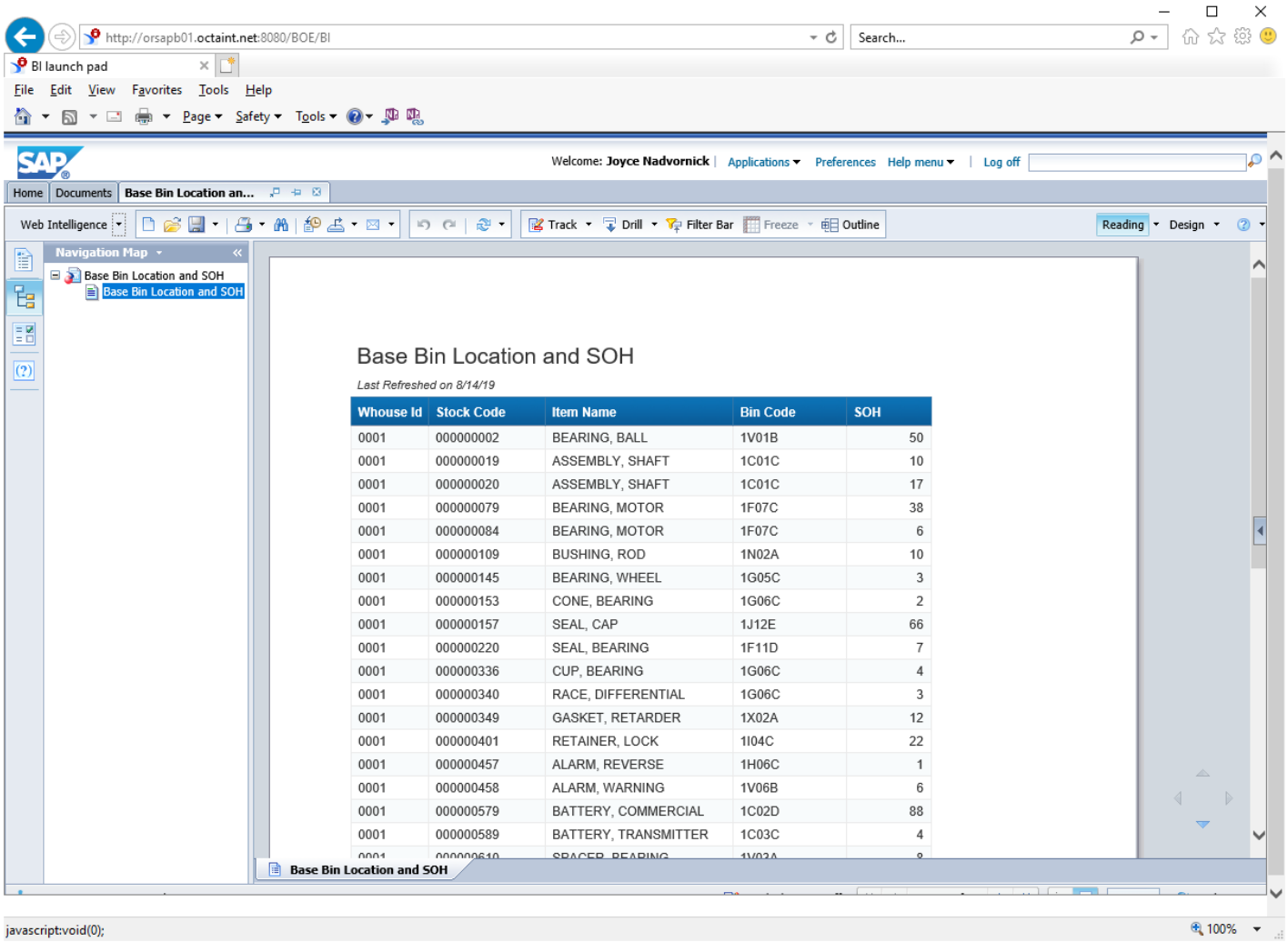
71 Business Objects Reports:

	System	Report Name
1	Inventory	Base Bin Location and SOH
2	Inventory	Base Parts Catalog
3	Inventory	Base Parts Catalog - R Stocks
4	Inventory	Comp to Receive
5	Inventory	Comp to Receive - All
6	Inventory	Daily Inventory Adjustments
7	Inventory	Daily Unactioned Recommended Orders (pause)
8	Inventory	Inventory Value
9	Inventory	Maintenance Hold List
10	Inventory	Non-Category Managed Inventory by Class
11	Inventory	Obsolete Parts Issued within Last Three Years
12	Inventory	Obsolete Stocks SOH
13	Inventory	Open Requisitions for Closed Work Orders
14	Inventory	Open Transfers that are Finalized
15	Inventory	Parts Charged to Insp BOs
16	Inventory	Parts Issued
17	Inventory	Parts used on and ONLY on selected Bus Series
18	Inventory	Past Due Purchase Orders
19	Inventory	Planned Transfers
20	Inventory	Receipts Detail
21	Inventory	Replenishment Review
22	Inventory	Requisitions - Pending - Not Finished
23	Inventory	Requisitions Older than 30 Days
24	Inventory	Shelf Life Items Expired or about to Expire
25	Inventory	Stock Code Used in Last 12 Months with Min/Max=0
26	Inventory	Unauthorized Transfers
27	Inventory	Warranty Daily Stock on Hand
28	Inventory	Warranty Open Discrepancy
29	Maintenance	Active Equipment Roster (Non-Revenue)
30	Maintenance	Active Equipment Roster (Revenue)
31	Maintenance	AQMD Quarterly
32	Maintenance	Brake Pit Work Orders for Last 30 Days
33	Maintenance	Condition Monitoring Report - Last 7 Days
34	Maintenance	Condition Monitoring Report
35	Maintenance	Contingency Bus - Work Orders
36	Maintenance	Contingency Bus Tracking
37	Maintenance	Employee Labor Time Report - 2 Days Prior
38	Maintenance	Employee Labor Time Report
39	Maintenance	Equipment Movement - Last 7 Days
40	Maintenance	Equipment Movement (with Prompt)

41	Maintenance	Equipment Status - Last 7 Days
42	Maintenance	Equipment Status (with Prompt)
43	Maintenance	Facilities Bonus - Monthly Review
44	Maintenance	Facilities Response Time to Critical Equipment
45	Maintenance	Fire Extinguisher Bottles Due
46	Maintenance	Labor & Parts Cost
47	Maintenance	NABI – NF Vehicle Transfer
48	Maintenance	Non-Revenue Vehicles
49	Maintenance	Opacity
50	Maintenance	PNR Facilities - Labor & Parts Cost (Last 6 Months)
51	Maintenance	PNR Facilities - Labor & Parts Cost
52	Maintenance	Road Call Review
53	Maintenance	Triennial Report - Fleet Inventory
54	Maintenance	Vehicles - Defitment/Fitment History
55	Maintenance	Weekly Warranty
56	Maintenance	Work Orders - Closed (with Date Range Prompt)
57	Maintenance	Work Orders - Closed in Current FY
58	Maintenance	Work Orders - Closed Last 30 days
59	Maintenance	Work Orders - Closed since Date prompt
60	Maintenance	Work Orders - Open
61	Maintenance	Work Orders (Closed) - Standard Bus Inspection
62	Misc.	CAMM Year End Activity
63	Misc.	Labor & Parts Cost (Accounting)
64	Misc.	POs with Expiration Dates Purchasing
65	Misc.	Purchase Requisition Not Ordered
66	Misc.	Repair Costs (Accounting)
67	Misc.	Vehicle Search
68	Purchasing	Contract Task Order
69	Purchasing	Monthly Purchasing Activity
70	Purchasing	Un-actioned ROs
71	Purchasing	Unprinted Stock Purchase Orders (pause)

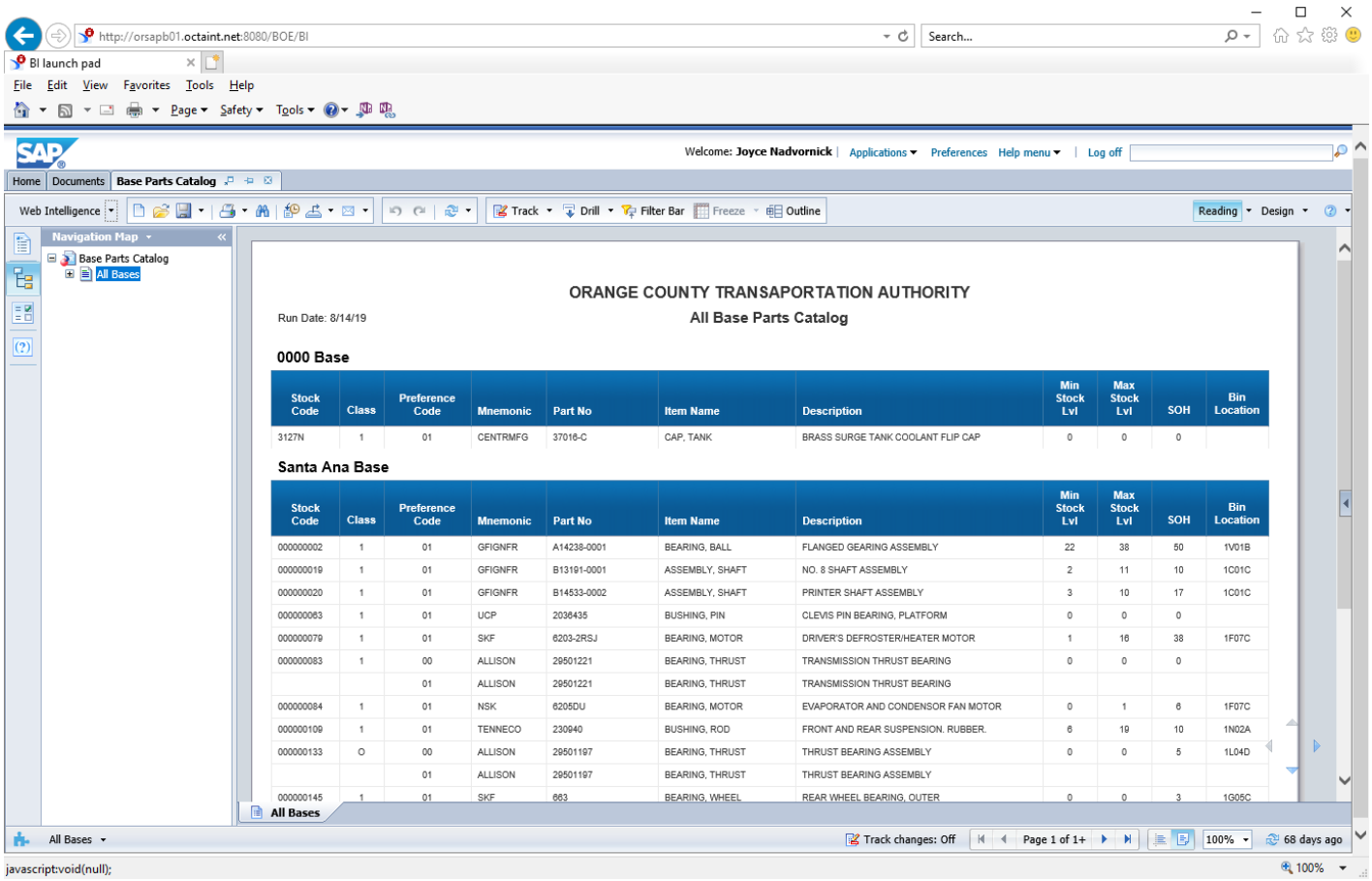
These 71 Business Objects reports are depicted in screen shots below.

1. Base Bin Location and SOH*



Whouse Id	Stock Code	Item Name	Bin Code	SOH
0001	000000002	BEARING, BALL	1V01B	50
0001	000000019	ASSEMBLY, SHAFT	1C01C	10
0001	000000020	ASSEMBLY, SHAFT	1C01C	17
0001	000000079	BEARING, MOTOR	1F07C	38
0001	000000084	BEARING, MOTOR	1F07C	6
0001	000000109	BUSHING, ROD	1N02A	10
0001	000000145	BEARING, WHEEL	1G05C	3
0001	000000153	CONE, BEARING	1G06C	2
0001	000000157	SEAL, CAP	1J12E	66
0001	000000220	SEAL, BEARING	1F11D	7
0001	000000336	CUP, BEARING	1G06C	4
0001	000000340	RACE, DIFFERENTIAL	1G06C	3
0001	000000349	GASKET, RETARDER	1X02A	12
0001	000000401	RETAINER, LOCK	1I04C	22
0001	000000457	ALARM, REVERSE	1H06C	1
0001	000000458	ALARM, WARNING	1V06B	6
0001	000000579	BATTERY, COMMERCIAL	1C02D	88
0001	000000589	BATTERY, TRANSMITTER	1C03C	4

2. Base Parts Catalog



ORANGE COUNTY TRANSAPORTATION AUTHORITY

All Base Parts Catalog

Run Date: 8/14/19

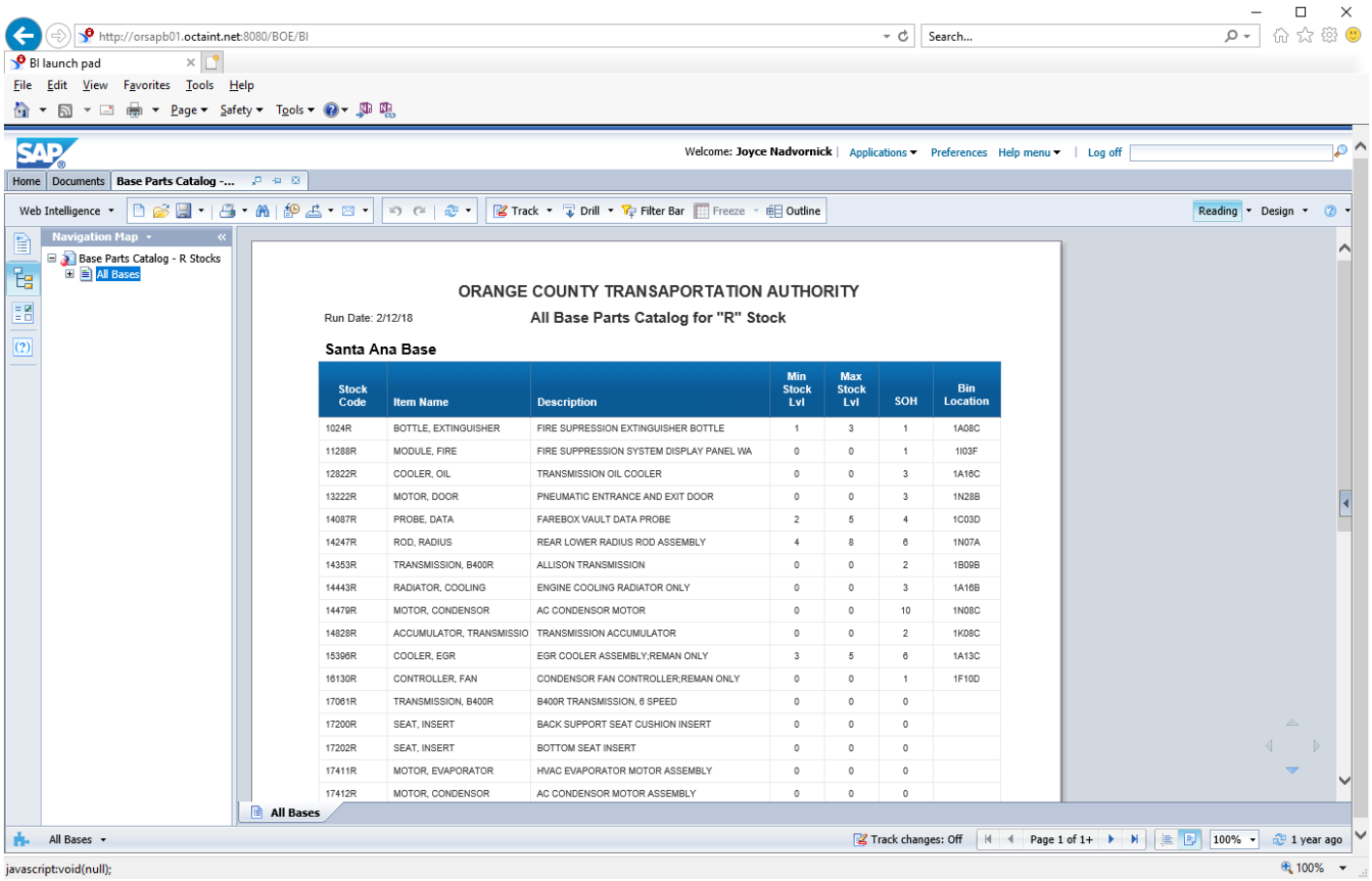
0000 Base

Stock Code	Class	Preference Code	Mnemonic	Part No	Item Name	Description	Min Stock Lvl	Max Stock Lvl	SOH	Bin Location
3127N	1	01	CENTRMFG	37016-C	CAP, TANK	BRASS SURGE TANK COOLANT FLIP CAP	0	0	0	

Santa Ana Base

Stock Code	Class	Preference Code	Mnemonic	Part No	Item Name	Description	Min Stock Lvl	Max Stock Lvl	SOH	Bin Location
000000002	1	01	GFIGNFR	A14238-0001	BEARING, BALL	FLANGED GEARING ASSEMBLY	22	38	50	1V01B
000000019	1	01	GFIGNFR	B13191-0001	ASSEMBLY, SHAFT	NO. 8 SHAFT ASSEMBLY	2	11	10	1C01C
000000020	1	01	GFIGNFR	B14533-0002	ASSEMBLY, SHAFT	PRINTER SHAFT ASSEMBLY	3	10	17	1C01C
000000063	1	01	UCP	2036435	BUSHING, PIN	CLEVIS PIN BEARING, PLATFORM	0	0	0	
000000079	1	01	SKF	6203-2RSJ	BEARING, MOTOR	DRIVER'S DEFROSTER/HEATER MOTOR	1	16	38	1F07C
000000083	1	00	ALLISON	29501221	BEARING, THRUST	TRANSMISSION THRUST BEARING	0	0	0	
		01	ALLISON	29501221	BEARING, THRUST	TRANSMISSION THRUST BEARING				
000000084	1	01	NSK	6205DU	BEARING, MOTOR	EVAPORATOR AND CONDENSOR FAN MOTOR	0	1	6	1F07C
000000109	1	01	TENNECO	230940	BUSHING, ROD	FRONT AND REAR SUSPENSION. RUBBER.	6	19	10	1N02A
000000133	O	00	ALLISON	29501197	BEARING, THRUST	THRUST BEARING ASSEMBLY	0	0	5	1L04D
		01	ALLISON	29501197	BEARING, THRUST	THRUST BEARING ASSEMBLY				
000000145	1	01	SKF	663	BEARING, WHEEL	REAR WHEEL BEARING, OUTER	0	0	3	1G05C

3. Base Parts Catalog - R Stocks*



ORANGE COUNTY TRANSAPORTATION AUTHORITY

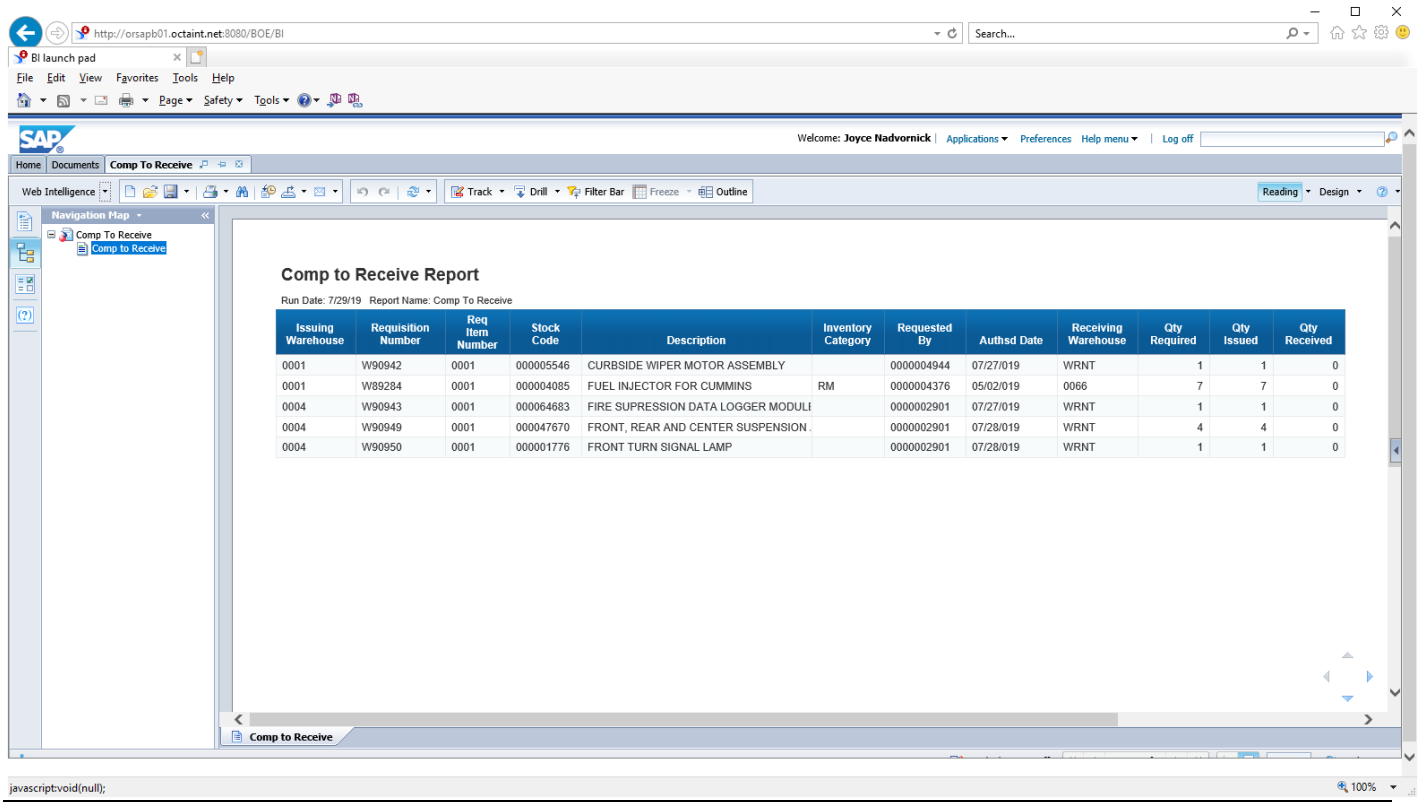
Run Date: 2/12/18

All Base Parts Catalog for "R" Stock

Santa Ana Base

Stock Code	Item Name	Description	Min Stock Lvl	Max Stock Lvl	SOH	Bin Location
1024R	BOTTLE, EXTINGUISHER	FIRE SUPRESSION EXTINGUISHER BOTTLE	1	3	1	1A08C
11288R	MODULE, FIRE	FIRE SUPPRESSION SYSTEM DISPLAY PANEL WA	0	0	1	1I03F
12822R	COOLER, OIL	TRANSMISSION OIL COOLER	0	0	3	1A16C
13222R	MOTOR, DOOR	PNEUMATIC ENTRANCE AND EXIT DOOR	0	0	3	1N28B
14087R	PROBE, DATA	FAREBOX VAULT DATA PROBE	2	5	4	1C03D
14247R	ROD, RADIUS	REAR LOWER RADIUS ROD ASSEMBLY	4	8	6	1N07A
14353R	TRANSMISSION, B400R	ALLISON TRANSMISSION	0	0	2	1B09B
14443R	RADIATOR, COOLING	ENGINE COOLING RADIATOR ONLY	0	0	3	1A16B
14479R	MOTOR, CONDENSOR	AC CONDENSOR MOTOR	0	0	10	1N08C
14828R	ACCUMULATOR, TRANSMISSIO	TRANSMISSION ACCUMULATOR	0	0	2	1K08C
15396R	COOLER, EGR	EGR COOLER ASSEMBLY;REMAN ONLY	3	5	6	1A13C
16130R	CONTROLLER, FAN	CONDENSOR FAN CONTROLLER;REMAN ONLY	0	0	1	1F10D
17061R	TRANSMISSION, B400R	B400R TRANSMISSION, 6 SPEED	0	0	0	
17200R	SEAT, INSERT	BACK SUPPORT SEAT CUSHION INSERT	0	0	0	
17202R	SEAT, INSERT	BOTTOM SEAT INSERT	0	0	0	
17411R	MOTOR, EVAPORATOR	HVAC EVAPORATOR MOTOR ASSEMBLY	0	0	0	
17412R	MOTOR, CONDENSOR	AC CONDENSOR MOTOR ASSEMBLY	0	0	0	

4. Comp to Receive

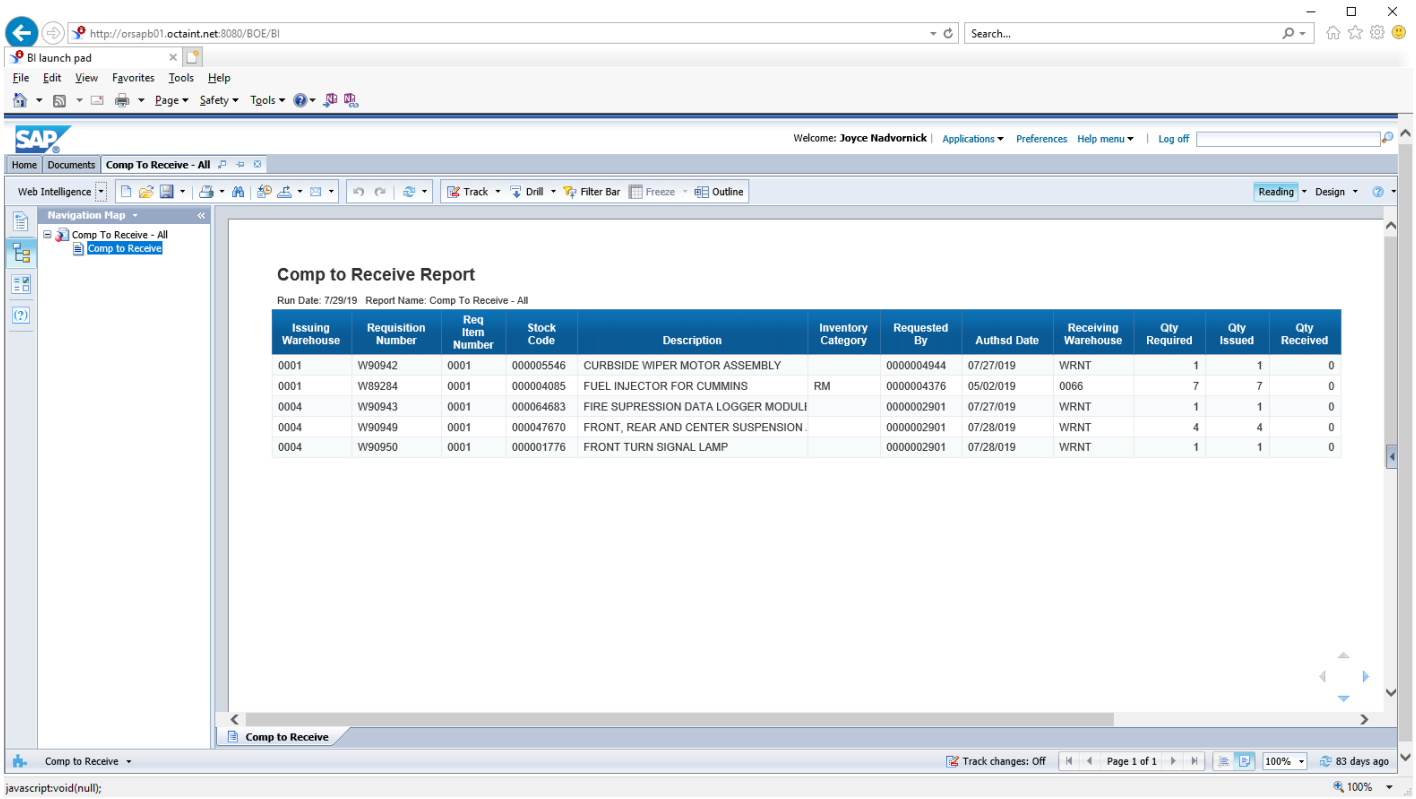


Comp to Receive Report

Run Date: 7/29/19 Report Name: Comp To Receive

Issuing Warehouse	Requisition Number	Req Item Number	Stock Code	Description	Inventory Category	Requested By	Authsd Date	Receiving Warehouse	Qty Required	Qty Issued	Qty Received
0001	W90942	0001	000005546	CURBSIDE WIPER MOTOR ASSEMBLY		0000004944	07/27/019	WRNT	1	1	0
0001	W89284	0001	000004085	FUEL INJECTOR FOR CUMMINS	RM	0000004376	05/02/019	0066	7	7	0
0004	W90943	0001	000064683	FIRE SUPRESSION DATA LOGGER MODULI		0000002901	07/27/019	WRNT	1	1	0
0004	W90949	0001	000047670	FRONT, REAR AND CENTER SUSPENSION		0000002901	07/28/019	WRNT	4	4	0
0004	W90950	0001	000001776	FRONT TURN SIGNAL LAMP		0000002901	07/28/019	WRNT	1	1	0

5. Comp to Receive - All*

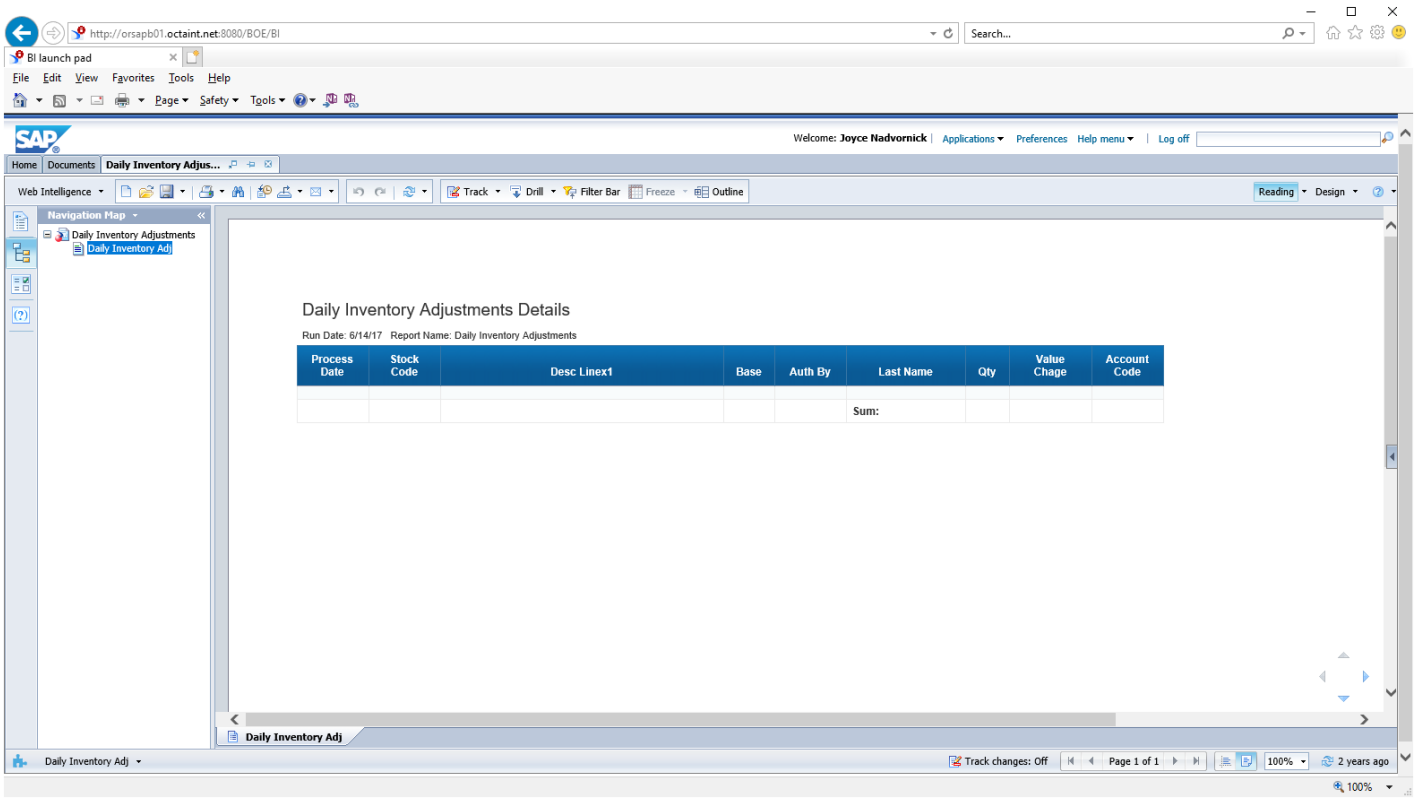


Comp to Receive Report

Run Date: 7/29/19 Report Name: Comp To Receive - All

Issuing Warehouse	Requisition Number	Req Item Number	Stock Code	Description	Inventory Category	Requested By	Authsd Date	Receiving Warehouse	Qty Required	Qty Issued	Qty Received
0001	W90942	0001	000005546	CURBSIDE WIPER MOTOR ASSEMBLY		0000004944	07/27/019	WRNT	1	1	0
0001	W89284	0001	000004085	FUEL INJECTOR FOR CUMMINS	RM	0000004376	05/02/019	0066	7	7	0
0004	W90943	0001	000064683	FIRE SUPRESSION DATA LOGGER MODULI		0000002901	07/27/019	WRNT	1	1	0
0004	W90949	0001	000047670	FRONT, REAR AND CENTER SUSPENSION		0000002901	07/28/019	WRNT	4	4	0
0004	W90950	0001	000001776	FRONT TURN SIGNAL LAMP		0000002901	07/28/019	WRNT	1	1	0

6. Daily Inventory Adjustments

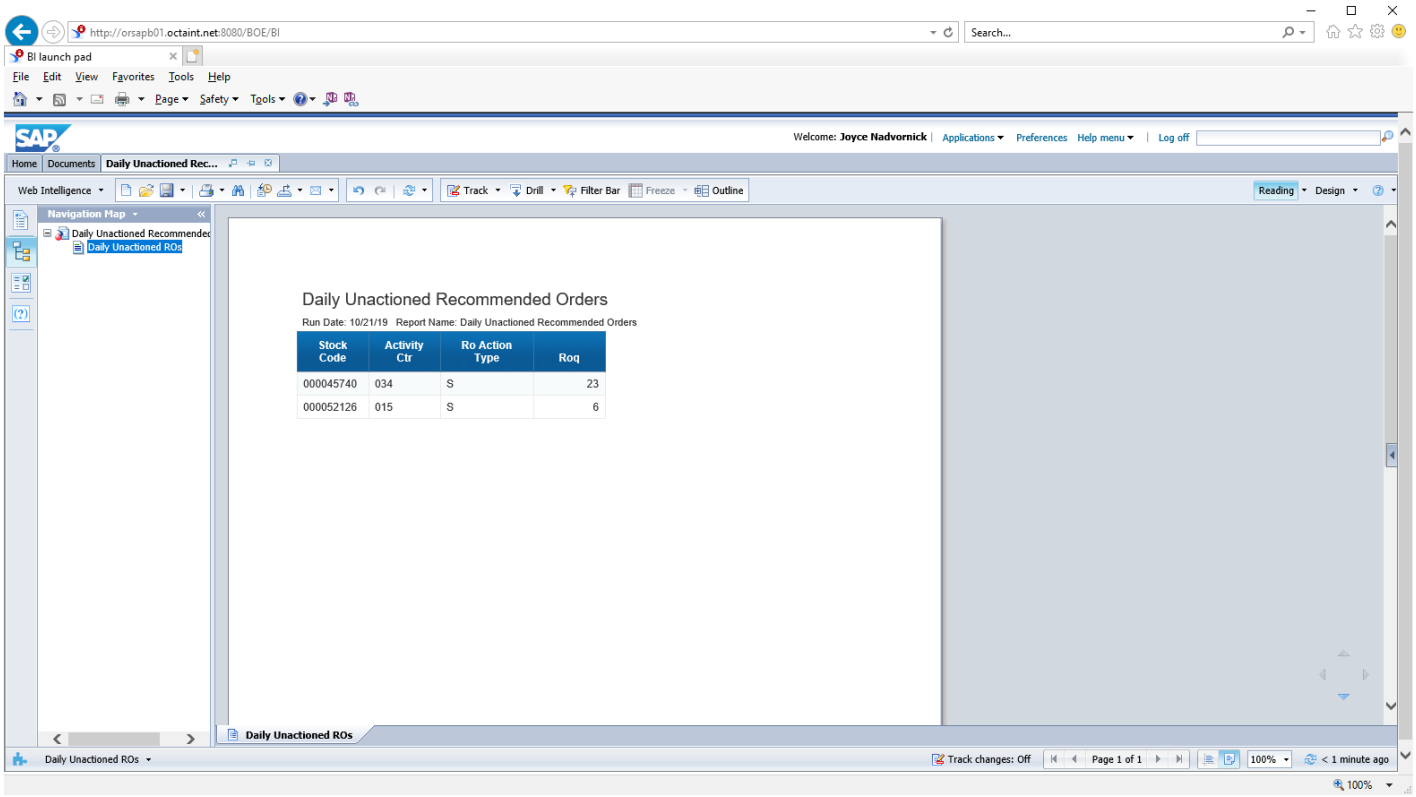


Daily Inventory Adjustments Details

Run Date: 6/14/17 Report Name: Daily Inventory Adjustments

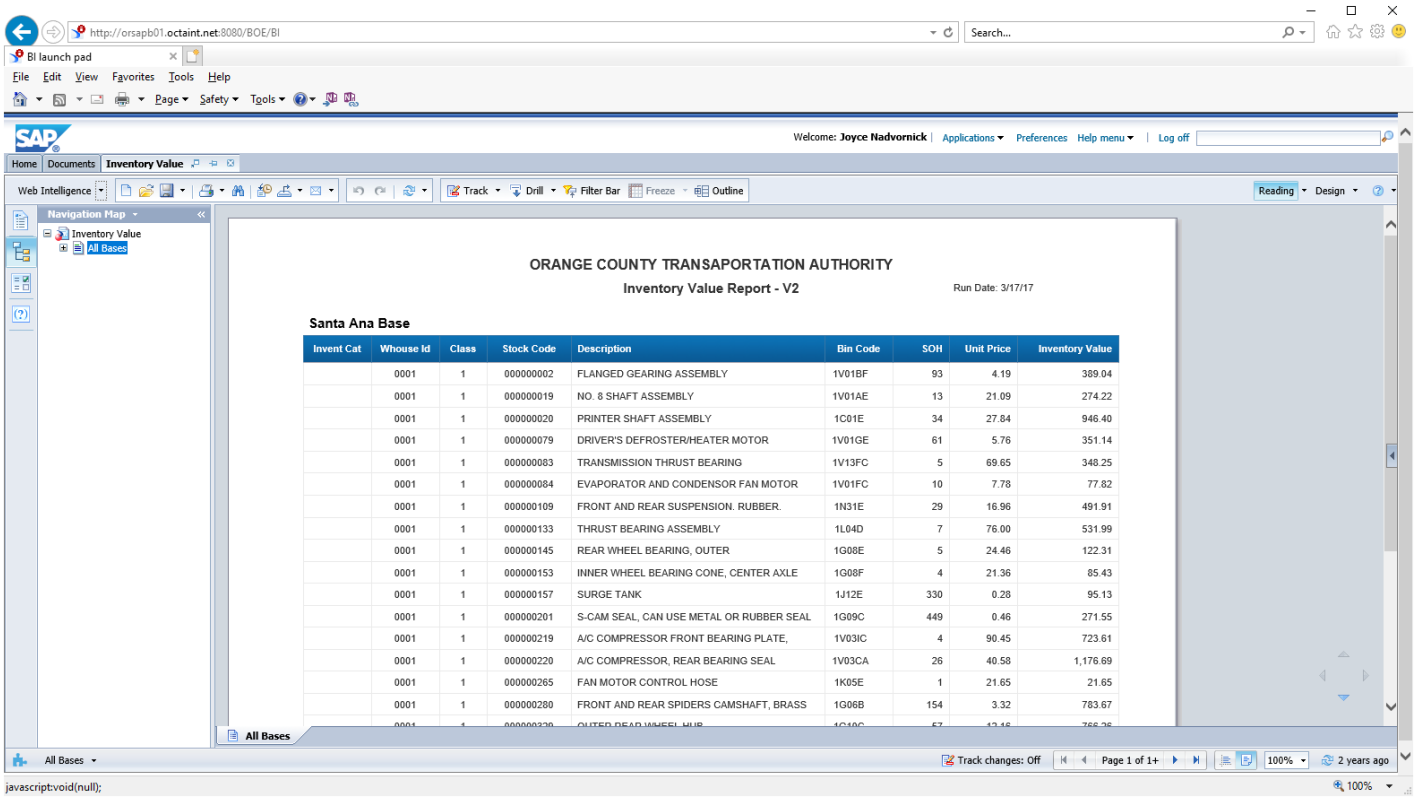
Process Date	Stock Code	Desc Linex1	Base	Auth By	Last Name	Qty	Value Chage	Account Code
					Sum:			

7. Daily Unactioned Recommended Orders (pause)



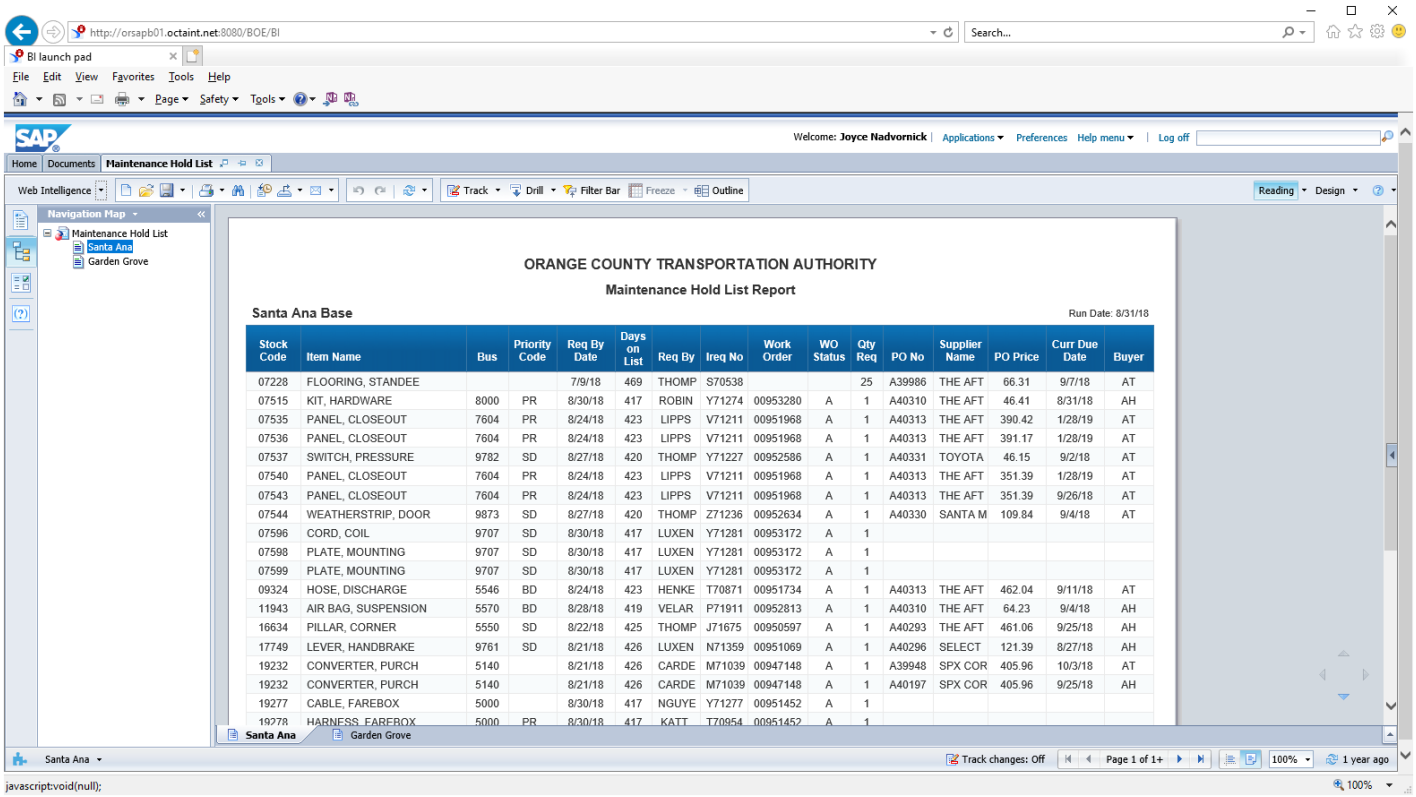
Stock Code	Activity Ctr	Ro Action Type	Roq
000045740	034	S	23
000052126	015	S	6

8. Inventory Value



Invent Cat	Whouse Id	Class	Stock Code	Description	Bin Code	SOH	Unit Price	Inventory Value
	0001	1	000000002	FLANGED GEARING ASSEMBLY	1V01BF	93	4.19	389.04
	0001	1	000000019	NO. 8 SHAFT ASSEMBLY	1V01AE	13	21.09	274.22
	0001	1	000000020	PRINTER SHAFT ASSEMBLY	1C01E	34	27.84	946.40
	0001	1	000000079	DRIVER'S DEFROSTER/HEATER MOTOR	1V01GE	61	5.76	351.14
	0001	1	000000083	TRANSMISSION THRUST BEARING	1V13FC	5	69.65	348.25
	0001	1	000000084	EVAPORATOR AND CONDENSOR FAN MOTOR	1V01FC	10	7.78	77.82
	0001	1	000000109	FRONT AND REAR SUSPENSION. RUBBER.	1N31E	29	16.96	491.91
	0001	1	000000133	THRUST BEARING ASSEMBLY	1L04D	7	76.00	531.99
	0001	1	000000145	REAR WHEEL BEARING, OUTER	1G08E	5	24.46	122.31
	0001	1	000000153	INNER WHEEL BEARING CONE, CENTER AXLE	1G08F	4	21.36	85.43
	0001	1	000000157	SURGE TANK	1J12E	330	0.28	95.13
	0001	1	000000201	S-CAM SEAL, CAN USE METAL OR RUBBER SEAL	1G09C	449	0.46	271.55
	0001	1	000000219	A/C COMPRESSOR FRONT BEARING PLATE,	1V03IC	4	90.45	723.61
	0001	1	000000220	A/C COMPRESSOR, REAR BEARING SEAL	1V03CA	26	40.58	1,176.69
	0001	1	000000265	FAN MOTOR CONTROL HOSE	1K05E	1	21.65	21.65
	0001	1	000000280	FRONT AND REAR SPIDERS CAMSHAFT, BRASS	1G06B	154	3.32	783.67

9. Maintenance Hold List



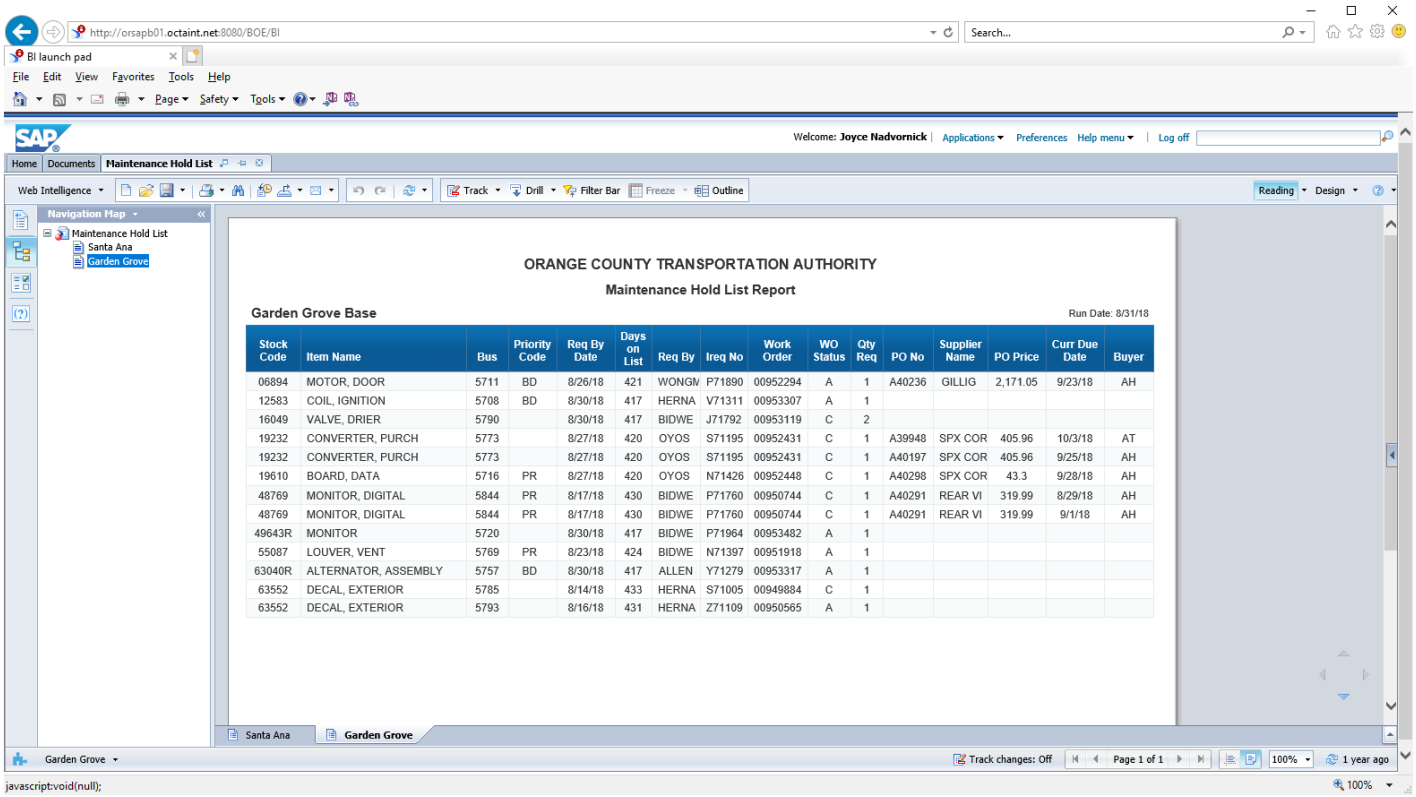
ORANGE COUNTY TRANSPORTATION AUTHORITY

Maintenance Hold List Report

Santa Ana Base

Run Date: 8/31/18

Stock Code	Item Name	Bus	Priority Code	Req By Date	Days on List	Req By	Ireq No	Work Order	WO Status	Qty Req	PO No	Supplier Name	PO Price	Curr Due Date	Buyer
07228	FLOORING, STANDEE			7/9/18	469	THOMP	S70538			25	A39986	THE AFT	66.31	9/7/18	AT
07515	KIT, HARDWARE	8000	PR	8/30/18	417	ROBIN	Y71274	00953280	A	1	A40310	THE AFT	46.41	8/31/18	AH
07535	PANEL, CLOSEOUT	7604	PR	8/24/18	423	LIPPS	V71211	00951968	A	1	A40313	THE AFT	390.42	1/28/19	AT
07536	PANEL, CLOSEOUT	7604	PR	8/24/18	423	LIPPS	V71211	00951968	A	1	A40313	THE AFT	391.17	1/28/19	AT
07537	SWITCH, PRESSURE	9782	SD	8/27/18	420	THOMP	Y71227	00952586	A	1	A40331	TOYOTA	46.15	9/2/18	AT
07540	PANEL, CLOSEOUT	7604	PR	8/24/18	423	LIPPS	V71211	00951968	A	1	A40313	THE AFT	351.39	1/28/19	AT
07543	PANEL, CLOSEOUT	7604	PR	8/24/18	423	LIPPS	V71211	00951968	A	1	A40313	THE AFT	351.39	9/26/18	AT
07544	WEATHERSTRIP, DOOR	9873	SD	8/27/18	420	THOMP	Z71236	00952634	A	1	A40330	SANTA M	109.84	9/4/18	AT
07596	CORD, COIL	9707	SD	8/30/18	417	LUXEN	Y71281	00953172	A	1					
07598	PLATE, MOUNTING	9707	SD	8/30/18	417	LUXEN	Y71281	00953172	A	1					
07599	PLATE, MOUNTING	9707	SD	8/30/18	417	LUXEN	Y71281	00953172	A	1					
09324	HOSE, DISCHARGE	5546	BD	8/24/18	423	HENKE	T70871	00951734	A	1	A40313	THE AFT	462.04	9/11/18	AT
11943	AIR BAG, SUSPENSION	5570	BD	8/28/18	419	VELAR	P71911	00952813	A	1	A40310	THE AFT	64.23	9/4/18	AH
16634	PILLAR, CORNER	5550	SD	8/22/18	425	THOMP	J71675	00950597	A	1	A40293	THE AFT	461.06	9/25/18	AH
17749	LEVER, HANDBRAKE	9761	SD	8/21/18	426	LUXEN	N71359	00951069	A	1	A40296	SELECT	121.39	8/27/18	AH
19232	CONVERTER, PURCH	5140		8/21/18	426	CARDE	M71039	00947148	A	1	A39948	SPX COR	405.96	10/3/18	AT
19232	CONVERTER, PURCH	5140		8/21/18	426	CARDE	M71039	00947148	A	1	A40197	SPX COR	405.96	9/25/18	AH
19277	CABLE, FAREBOX	5000		8/30/18	417	NGUYE	Y71277	00951452	A	1					
19278	HARNESS, FAREBOX	5000	PR	8/30/18	417	KATT	T70954	00951452	A	1					



ORANGE COUNTY TRANSPORTATION AUTHORITY

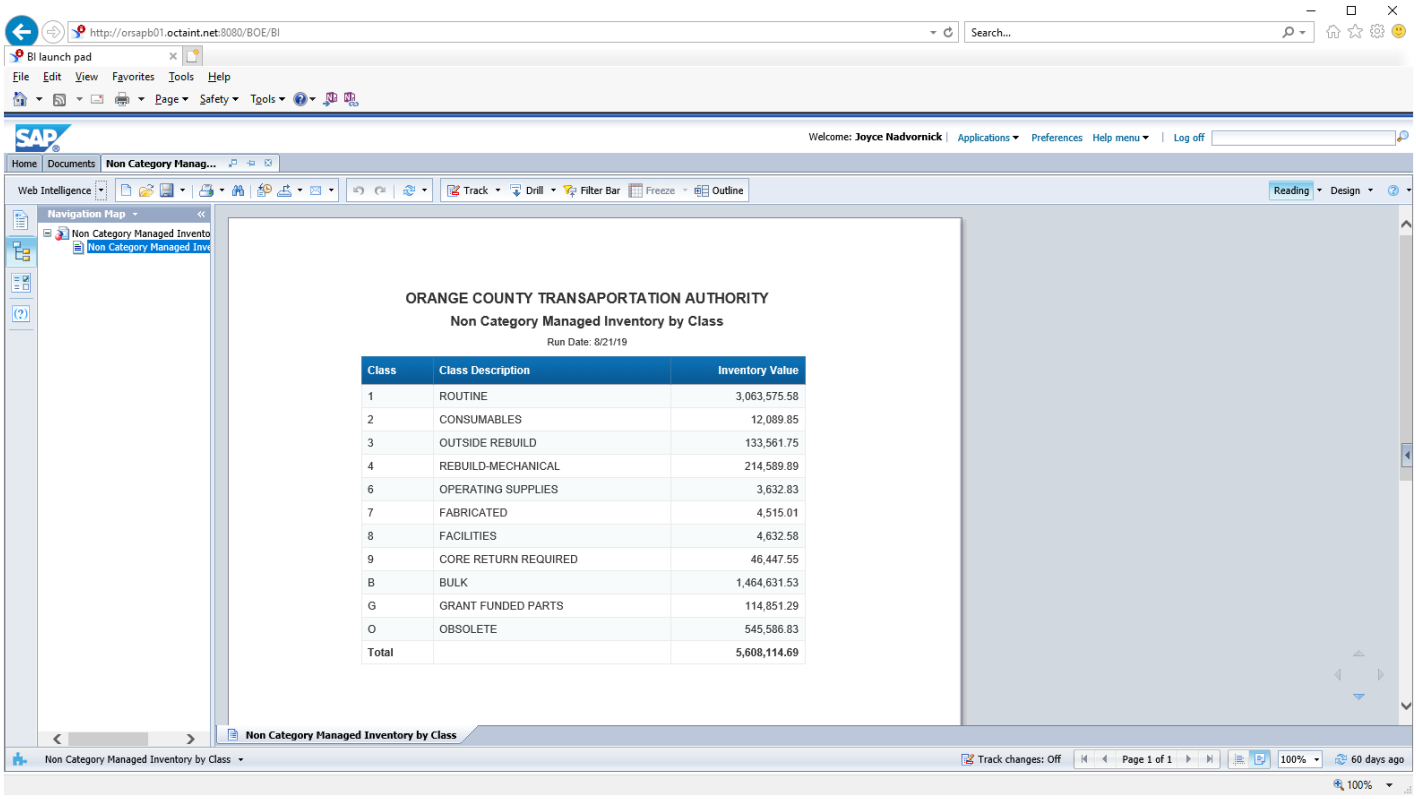
Maintenance Hold List Report

Garden Grove Base

Run Date: 8/31/18

Stock Code	Item Name	Bus	Priority Code	Req By Date	Days on List	Req By	Ireq No	Work Order	WO Status	Qty Req	PO No	Supplier Name	PO Price	Curr Due Date	Buyer
06894	MOTOR, DOOR	5711	BD	8/26/18	421	WONGM	P71890	00952294	A	1	A40236	GILLIG	2,171.05	9/23/18	AH
12583	COIL, IGNITION	5708	BD	8/30/18	417	HERNA	V71311	00953307	A	1					
16049	VALVE, DRIER	5790		8/30/18	417	BIDWE	J71792	00953119	C	2					
19232	CONVERTER, PURCH	5773		8/27/18	420	OYOS	S71195	00952431	C	1	A39948	SPX COR	405.96	10/3/18	AT
19232	CONVERTER, PURCH	5773		8/27/18	420	OYOS	S71195	00952431	C	1	A40197	SPX COR	405.96	9/25/18	AH
19610	BOARD, DATA	5716	PR	8/27/18	420	OYOS	N71426	00952448	C	1	A40298	SPX COR	43.3	9/28/18	AH
48769	MONITOR, DIGITAL	5844	PR	8/17/18	430	BIDWE	P71760	00950744	C	1	A40291	REAR VI	319.99	8/29/18	AH
48769	MONITOR, DIGITAL	5844	PR	8/17/18	430	BIDWE	P71760	00950744	C	1	A40291	REAR VI	319.99	9/1/18	AH
49643R	MONITOR	5720		8/30/18	417	BIDWE	P71964	00953482	A	1					
55087	LOUVER, VENT	5769	PR	8/23/18	424	BIDWE	N71397	00951918	A	1					
63040R	ALTERNATOR, ASSEMBLY	5757	BD	8/30/18	417	ALLEN	Y71279	00953317	A	1					
63552	DECAL, EXTERIOR	5785		8/14/18	433	HERNA	S71005	00949884	C	1					
63552	DECAL, EXTERIOR	5793		8/16/18	431	HERNA	Z71109	00950565	A	1					

10. Non-Category Managed Inventory by Class*



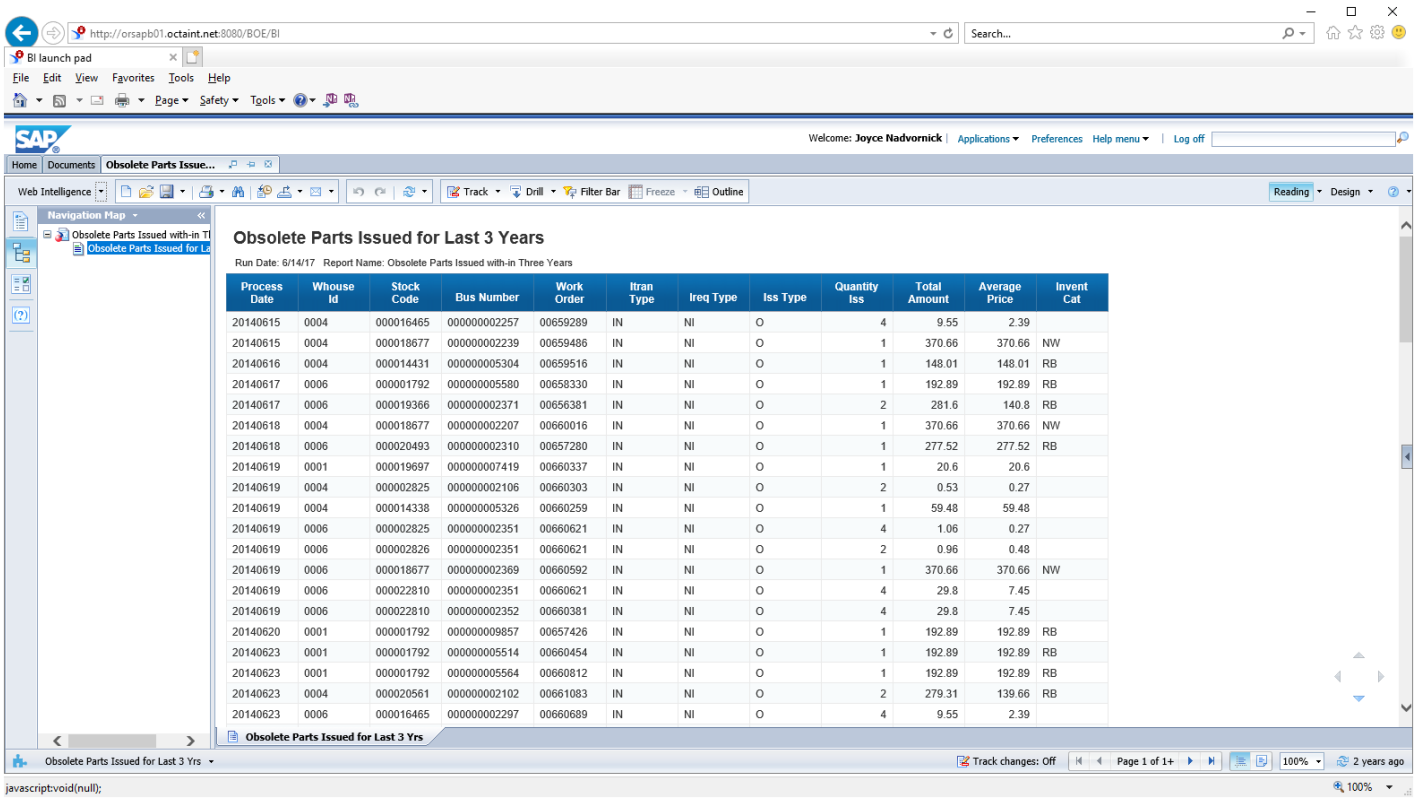
ORANGE COUNTY TRANSAPORTATION AUTHORITY

Non Category Managed Inventory by Class

Run Date: 8/21/19

Class	Class Description	Inventory Value
1	ROUTINE	3,063,575.58
2	CONSUMABLES	12,089.85
3	OUTSIDE REBUILD	133,561.75
4	REBUILD-MECHANICAL	214,589.89
6	OPERATING SUPPLIES	3,632.83
7	FABRICATED	4,515.01
8	FACILITIES	4,632.58
9	CORE RETURN REQUIRED	46,447.55
B	BULK	1,464,631.53
G	GRANT FUNDED PARTS	114,851.29
O	OBSOLETE	545,586.83
Total		5,608,114.69

11. Obsolete Parts Issued within Last Three Years

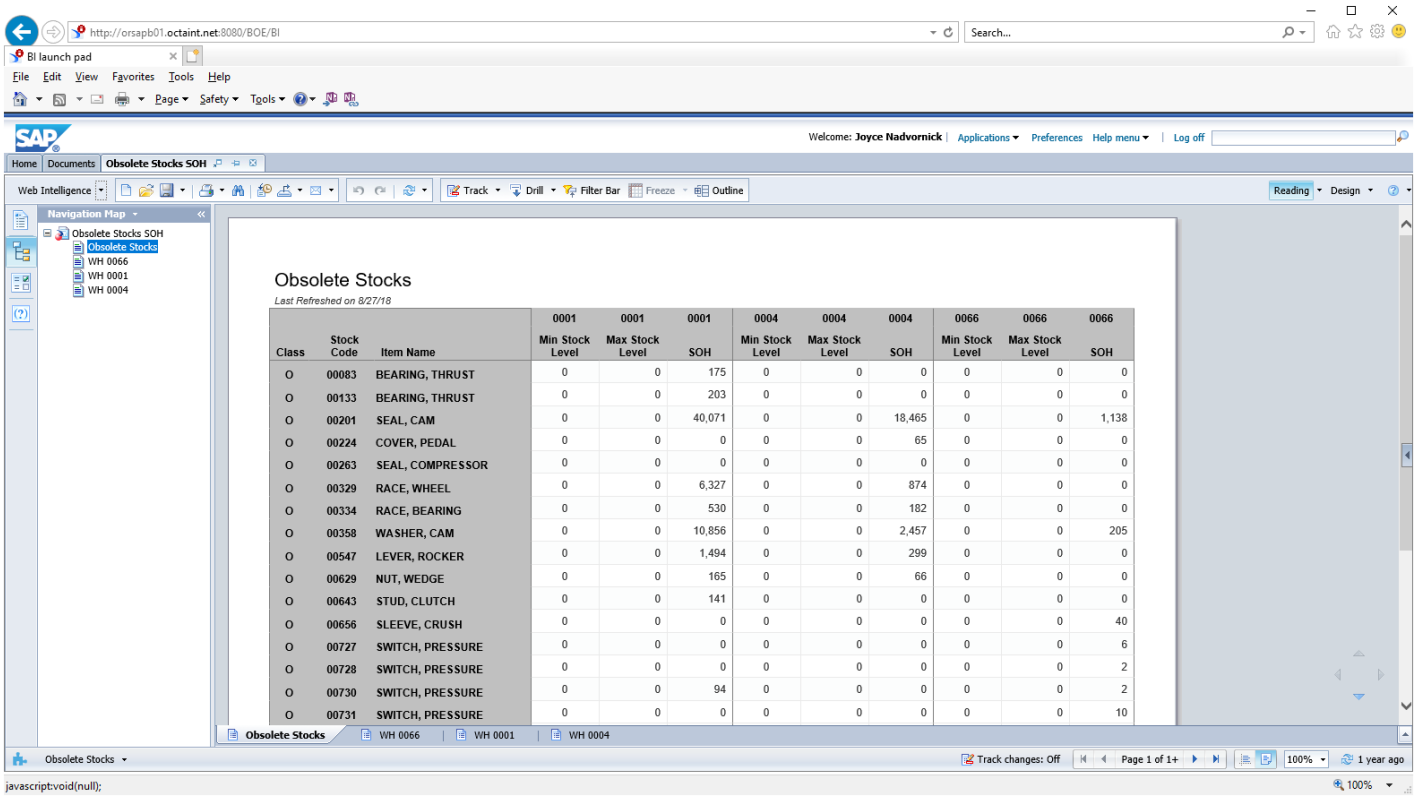


Obsolete Parts Issued for Last 3 Years

Run Date: 6/14/17 Report Name: Obsolete Parts Issued with-in Three Years

Process Date	Whouse Id	Stock Code	Bus Number	Work Order	Itran Type	Ireq Type	Iss Type	Quantity Iss	Total Amount	Average Price	Invent Cat
20140615	0004	000016465	000000002257	00659289	IN	NI	O	4	9.55	2.39	
20140615	0004	000018677	000000002239	00659486	IN	NI	O	1	370.66	370.66	NW
20140616	0004	000014431	000000005304	00659516	IN	NI	O	1	148.01	148.01	RB
20140617	0006	000001792	000000005580	00658330	IN	NI	O	1	192.89	192.89	RB
20140617	0006	000019366	000000002371	00656381	IN	NI	O	2	281.6	140.8	RB
20140618	0004	000018677	000000002207	00660016	IN	NI	O	1	370.66	370.66	NW
20140618	0006	000020493	000000002310	00657280	IN	NI	O	1	277.52	277.52	RB
20140619	0001	000019697	000000007419	00660337	IN	NI	O	1	20.6	20.6	
20140619	0004	000002825	000000002106	00660303	IN	NI	O	2	0.53	0.27	
20140619	0004	000014338	000000005326	00660259	IN	NI	O	1	59.48	59.48	
20140619	0006	000002825	000000002351	00660621	IN	NI	O	4	1.06	0.27	
20140619	0006	000002826	000000002351	00660621	IN	NI	O	2	0.96	0.48	
20140619	0006	000018677	000000002369	00660592	IN	NI	O	1	370.66	370.66	NW
20140619	0006	000022810	000000002351	00660621	IN	NI	O	4	29.8	7.45	
20140619	0006	000022810	000000002352	00660381	IN	NI	O	4	29.8	7.45	
20140620	0001	000001792	000000009857	00657426	IN	NI	O	1	192.89	192.89	RB
20140623	0001	000001792	000000005514	00660454	IN	NI	O	1	192.89	192.89	RB
20140623	0001	000001792	000000005564	00660812	IN	NI	O	1	192.89	192.89	RB
20140623	0004	000020561	000000002102	00661083	IN	NI	O	2	279.31	139.66	RB
20140623	0006	000016465	000000002297	00660689	IN	NI	O	4	9.55	2.39	

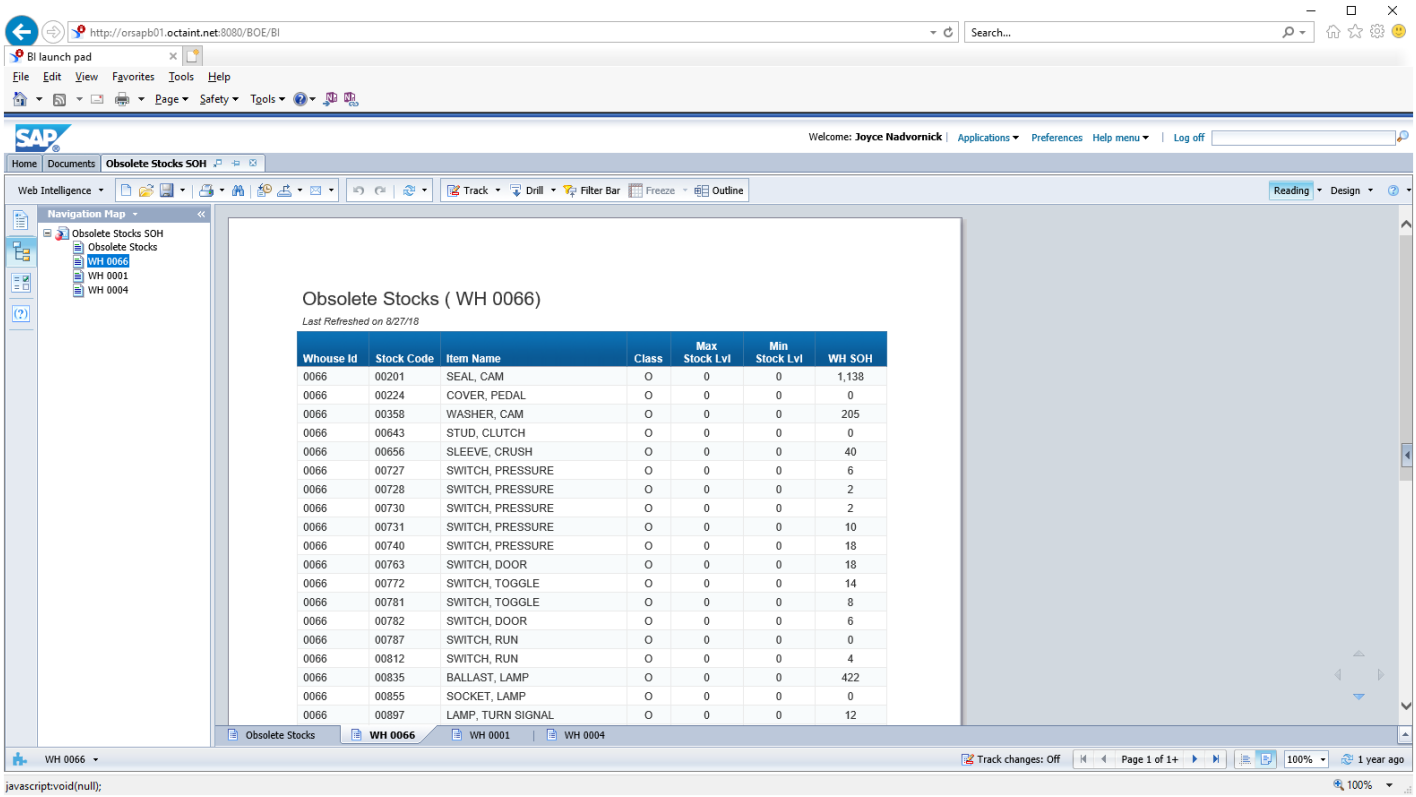
12. Obsolete Stocks SOH*



Obsolete Stocks

Last Refreshed on 8/27/18

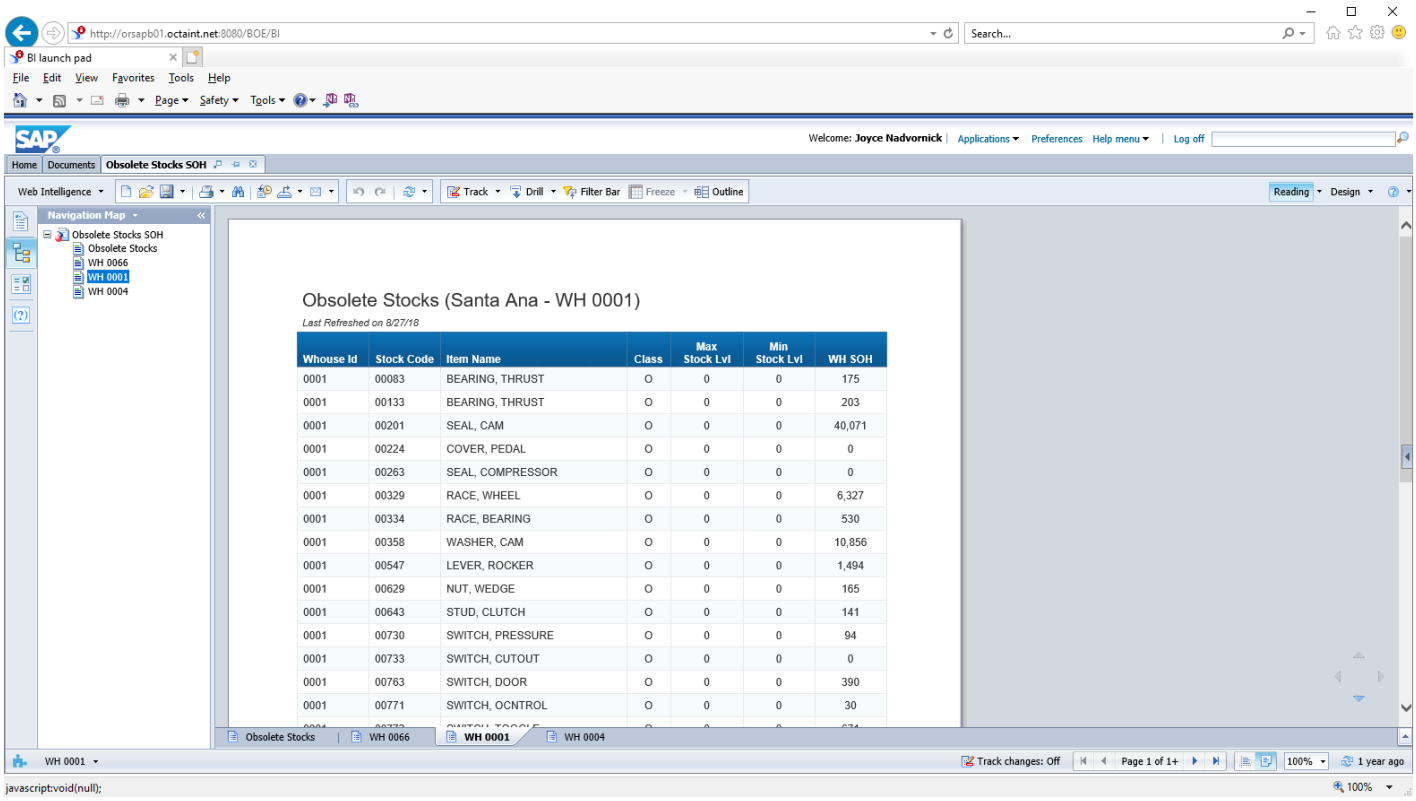
Class	Stock Code	Item Name	0001 Min Stock Level	0001 Max Stock Level	0001 SOH	0004 Min Stock Level	0004 Max Stock Level	0004 SOH	0066 Min Stock Level	0066 Max Stock Level	0066 SOH
O	00083	BEARING, THRUST	0	0	175	0	0	0	0	0	0
O	00133	BEARING, THRUST	0	0	203	0	0	0	0	0	0
O	00201	SEAL, CAM	0	0	40,071	0	0	18,465	0	0	1,138
O	00224	COVER, PEDAL	0	0	0	0	0	65	0	0	0
O	00263	SEAL, COMPRESSOR	0	0	0	0	0	0	0	0	0
O	00329	RACE, WHEEL	0	0	6,327	0	0	874	0	0	0
O	00334	RACE, BEARING	0	0	530	0	0	182	0	0	0
O	00358	WASHER, CAM	0	0	10,856	0	0	2,457	0	0	205
O	00547	LEVER, ROCKER	0	0	1,494	0	0	299	0	0	0
O	00629	NUT, WEDGE	0	0	165	0	0	66	0	0	0
O	00643	STUD, CLUTCH	0	0	141	0	0	0	0	0	0
O	00656	SLEEVE, CRUSH	0	0	0	0	0	0	0	0	40
O	00727	SWITCH, PRESSURE	0	0	0	0	0	0	0	0	6
O	00728	SWITCH, PRESSURE	0	0	0	0	0	0	0	0	2
O	00730	SWITCH, PRESSURE	0	0	94	0	0	0	0	0	2
O	00731	SWITCH, PRESSURE	0	0	0	0	0	0	0	0	10



Obsolete Stocks (WH 0066)

Last Refreshed on 8/27/18

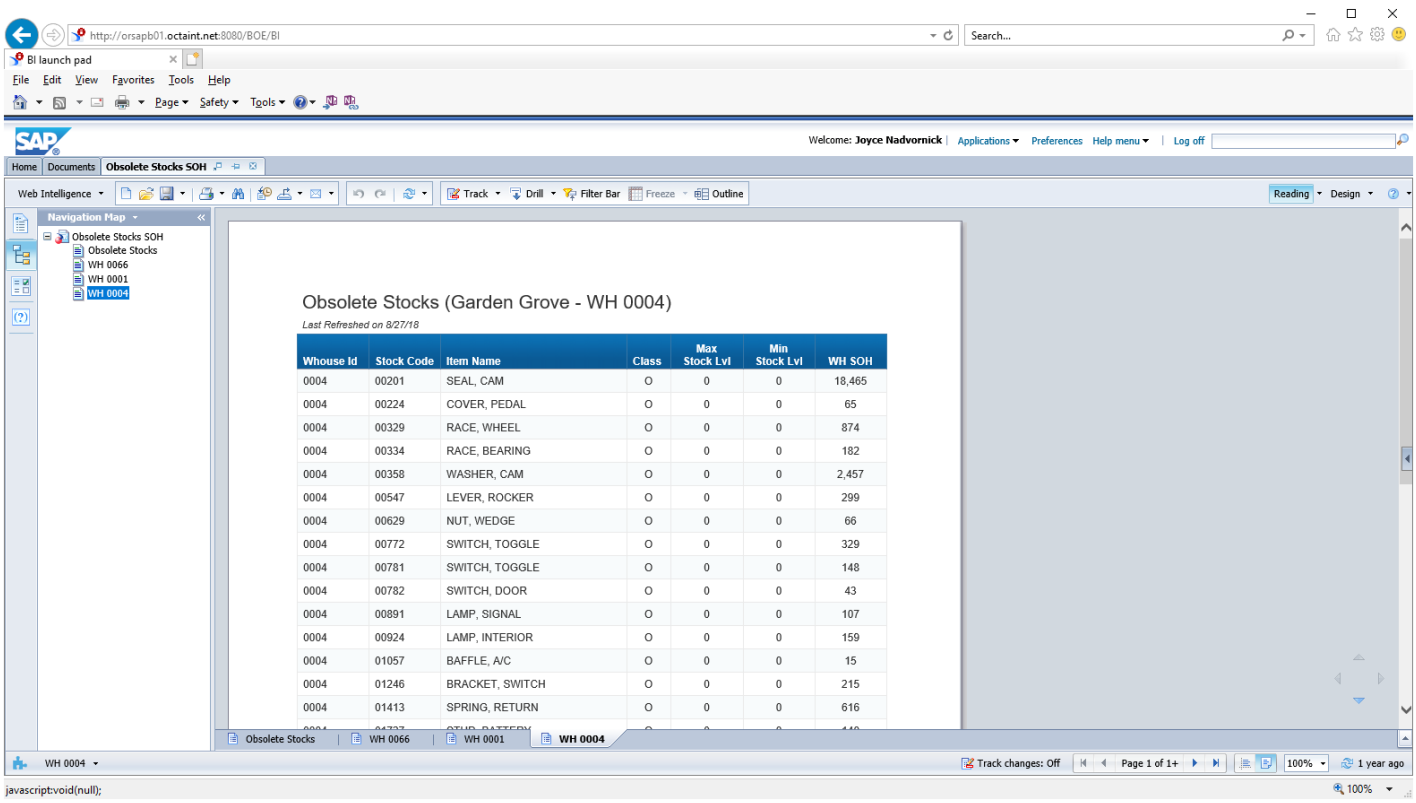
Whouse Id	Stock Code	Item Name	Class	Max Stock Lvl	Min Stock Lvl	WH SOH
0066	00201	SEAL, CAM	O	0	0	1,138
0066	00224	COVER, PEDAL	O	0	0	0
0066	00358	WASHER, CAM	O	0	0	205
0066	00643	STUD, CLUTCH	O	0	0	0
0066	00656	SLEEVE, CRUSH	O	0	0	40
0066	00727	SWITCH, PRESSURE	O	0	0	6
0066	00728	SWITCH, PRESSURE	O	0	0	2
0066	00730	SWITCH, PRESSURE	O	0	0	2
0066	00731	SWITCH, PRESSURE	O	0	0	10
0066	00740	SWITCH, PRESSURE	O	0	0	18
0066	00763	SWITCH, DOOR	O	0	0	18
0066	00772	SWITCH, TOGGLE	O	0	0	14
0066	00781	SWITCH, TOGGLE	O	0	0	8
0066	00782	SWITCH, DOOR	O	0	0	6
0066	00787	SWITCH, RUN	O	0	0	0
0066	00812	SWITCH, RUN	O	0	0	4
0066	00835	BALLAST, LAMP	O	0	0	422
0066	00855	SOCKET, LAMP	O	0	0	0
0066	00897	LAMP, TURN SIGNAL	O	0	0	12



Obsolete Stocks (Santa Ana - WH 0001)

Last Refreshed on 8/27/18

Whouse Id	Stock Code	Item Name	Class	Max Stock Lvl	Min Stock Lvl	WH SOH
0001	00083	BEARING, THRUST	O	0	0	175
0001	00133	BEARING, THRUST	O	0	0	203
0001	00201	SEAL, CAM	O	0	0	40,071
0001	00224	COVER, PEDAL	O	0	0	0
0001	00263	SEAL, COMPRESSOR	O	0	0	0
0001	00329	RACE, WHEEL	O	0	0	6,327
0001	00334	RACE, BEARING	O	0	0	530
0001	00358	WASHER, CAM	O	0	0	10,856
0001	00547	LEVER, ROCKER	O	0	0	1,494
0001	00629	NUT, WEDGE	O	0	0	165
0001	00643	STUD, CLUTCH	O	0	0	141
0001	00730	SWITCH, PRESSURE	O	0	0	94
0001	00733	SWITCH, CUTOUT	O	0	0	0
0001	00763	SWITCH, DOOR	O	0	0	390
0001	00771	SWITCH, OCNTROL	O	0	0	30

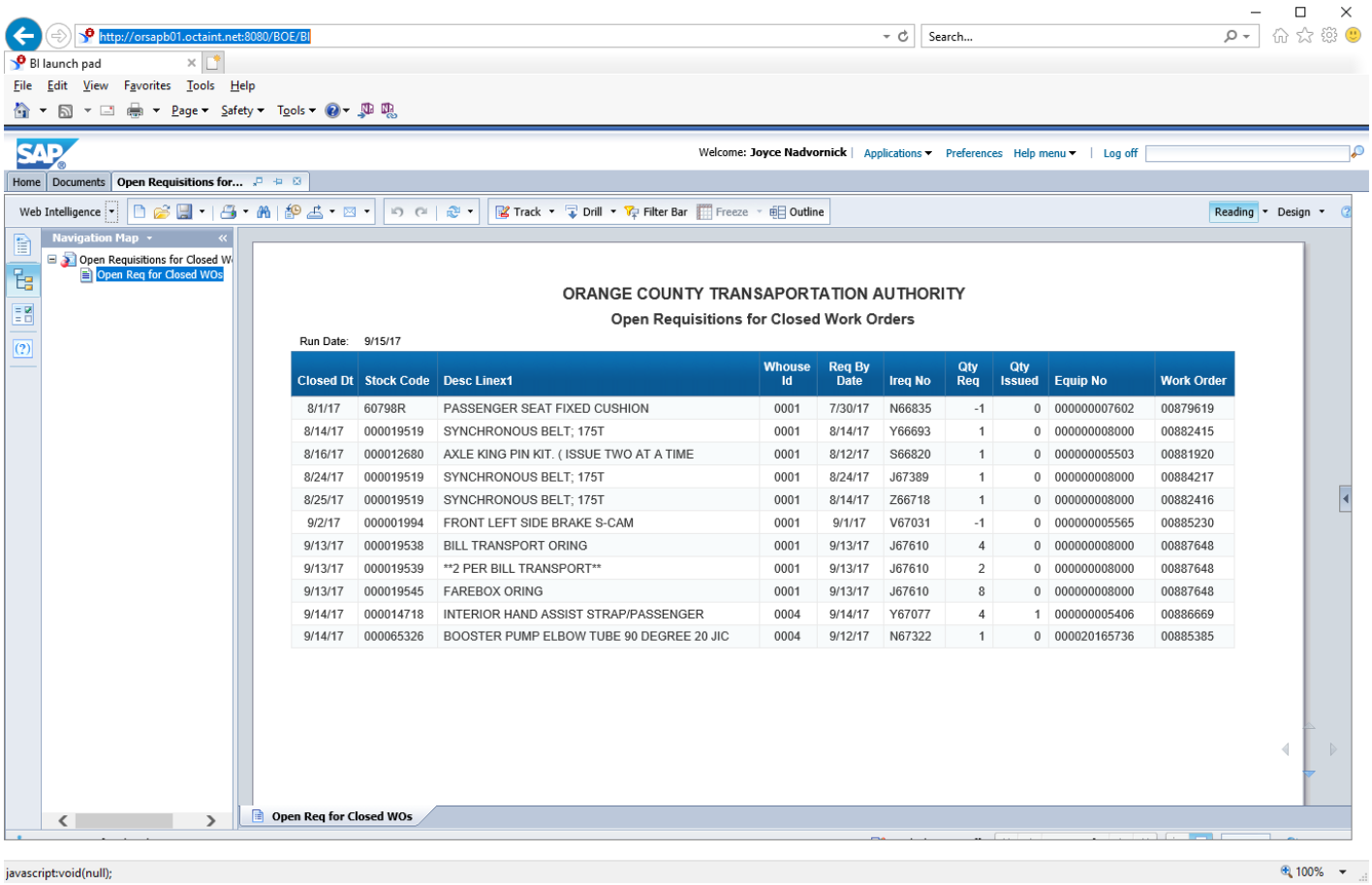


Obsolete Stocks (Garden Grove - WH 0004)

Last Refreshed on 8/27/18

Whouse Id	Stock Code	Item Name	Class	Max Stock Lvl	Min Stock Lvl	WH SOH
0004	00201	SEAL, CAM	O	0	0	18,465
0004	00224	COVER, PEDAL	O	0	0	65
0004	00329	RACE, WHEEL	O	0	0	874
0004	00334	RACE, BEARING	O	0	0	182
0004	00358	WASHER, CAM	O	0	0	2,457
0004	00547	LEVER, ROCKER	O	0	0	299
0004	00629	NUT, WEDGE	O	0	0	66
0004	00772	SWITCH, TOGGLE	O	0	0	329
0004	00781	SWITCH, TOGGLE	O	0	0	148
0004	00782	SWITCH, DOOR	O	0	0	43
0004	00891	LAMP, SIGNAL	O	0	0	107
0004	00924	LAMP, INTERIOR	O	0	0	159
0004	01057	BAFFLE, A/C	O	0	0	15
0004	01246	BRACKET, SWITCH	O	0	0	215
0004	01413	SPRING, RETURN	O	0	0	616

13. Open Requisitions for Closed Work Orders



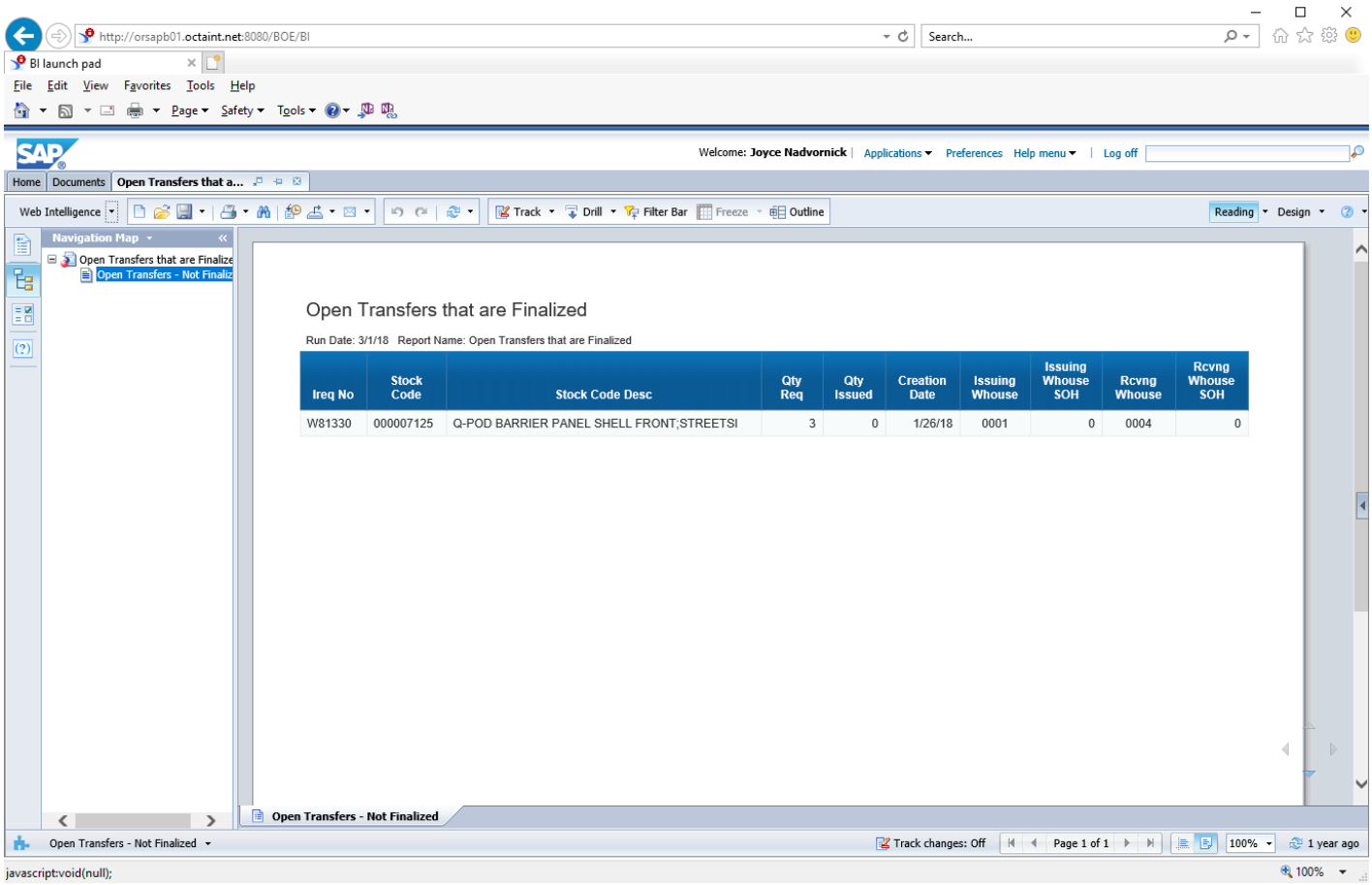
ORANGE COUNTY TRANSAPORTATION AUTHORITY

Open Requisitions for Closed Work Orders

Run Date: 9/15/17

Closed Dt	Stock Code	Desc Linex1	Whouse Id	Req By Date	Ireq No	Qty Req	Qty Issued	Equip No	Work Order
8/1/17	60798R	PASSENGER SEAT FIXED CUSHION	0001	7/30/17	N66835	-1	0	000000007602	00879619
8/14/17	000019519	SYNCHRONOUS BELT; 175T	0001	8/14/17	Y66693	1	0	000000008000	00882415
8/16/17	000012680	AXLE KING PIN KIT. (ISSUE TWO AT A TIME	0001	8/12/17	S66820	1	0	000000005503	00881920
8/24/17	000019519	SYNCHRONOUS BELT; 175T	0001	8/24/17	J67389	1	0	000000008000	00884217
8/25/17	000019519	SYNCHRONOUS BELT; 175T	0001	8/14/17	Z66718	1	0	000000008000	00882416
9/2/17	000001994	FRONT LEFT SIDE BRAKE S-CAM	0001	9/1/17	V67031	-1	0	000000005565	00885230
9/13/17	000019538	BILL TRANSPORT ORING	0001	9/13/17	J67610	4	0	000000008000	00887648
9/13/17	000019539	**2 PER BILL TRANSPORT**	0001	9/13/17	J67610	2	0	000000008000	00887648
9/13/17	000019545	FAREBOX ORING	0001	9/13/17	J67610	8	0	000000008000	00887648
9/14/17	000014718	INTERIOR HAND ASSIST STRAP/PASSENGER	0004	9/14/17	Y67077	4	1	000000005406	00886669
9/14/17	000065326	BOOSTER PUMP ELBOW TUBE 90 DEGREE 20 JIC	0004	9/12/17	N67322	1	0	000020165736	00885385

14. Open Transfers that are Finalized



Ireq No	Stock Code	Stock Code Desc	Qty Req	Qty Issued	Creation Date	Issuing Whouse	Issuing Whouse SOH	Rcvng Whouse	Rcvng Whouse SOH
W81330	000007125	Q-POD BARRIER PANEL SHELL FRONT;STREETSI	3	0	1/26/18	0001	0	0004	0

15. Parts Charged to Insp Bos*

ORANGE COUNTY TRANSAPORTATION AUTHORITY

Parts by Work Order Number

Base: 2162

Run Date: 7/19/18 Report Name: Parts Charged to Insp BOs

Base	Work Order	WO Description	Raised Date	Raised Time	Equipment Reference	Std Job No	Completed Code	Issued By	Stock Code	Parts Description	Account Code	Transaction No	Quantity Issued	Unit Price	Amount
2162	00938835	INSPECTION BO'S	6/18/18	112342	5847	000175	CR	0000002514	000044545	NATURAL GAS FUEL FLOW VALVE CUMMINS ISC/ISL ENGINES	2162D2108F307751	43480160000	1	#####	1,198.6
	00938835											Total			1,198.6
2162	00943539	INSPECTION BO'S	7/13/18	090538	5770	000175	CR	0000002374	000047670	FRONT AND REAR SUSPENSION AIR SPRING	2162D2108F307751	23492730000	-6	72.51	-435.03
	00943539											Total			-435.03
2162	00944081	INSPECTION BO'S	7/16/18	112940	5742	000175	CR	0000002514	000007616	PULL TO SIGNAL	2162D2108F307751	27419000000	3	0.32	0.96
2162	00944081	INSPECTION BO'S	7/16/18	112940	5742	000175	CR	0000002560	000063701	PULL CORD TO SIGNAL DECAL IN SPANISH	2162D2108F307751	06198270000	3	0.95	2.85
	00944081											Total			3.81
2162	00944283	INSPECTION BO'S	7/17/18	111525	5730	000175		0000002539	000008677	OIL PROBALIZER FITTING	2162D2108F307751	53523370000	2	32.28	64.55
2162	00944283	INSPECTION BO'S	7/17/18	111525	5730	000175		0000002539	000058263	EXIT DOOR STOP REQUEST SWITCH	2162D2108F307751	63094390000	1	18.4	18.4
2162	00944283	INSPECTION BO'S	7/17/18	111525	5730	000175		0000002539	000060632	DOOR PRESSURE WAVE SWITCH	2162D2108F307751	72710200000	1	147.87	147.87
	00944283											Total			230.82
2162	00944288	INSPECTION BO'S	7/17/18	111639	5772	000175	CR	0000002539	000028837	UPPER ENTRANCE DOOR (FORE) ROLLER	2162D2108F307751	73570240000	2	26.43	52.86
2162	00944288	INSPECTION BO'S	7/17/18	111639	5772	000175	CR	0000002539	000063701	PULL CORD TO SIGNAL DECAL IN SPANISH	2162D2108F307751	53524340000	1	0.95	0.95

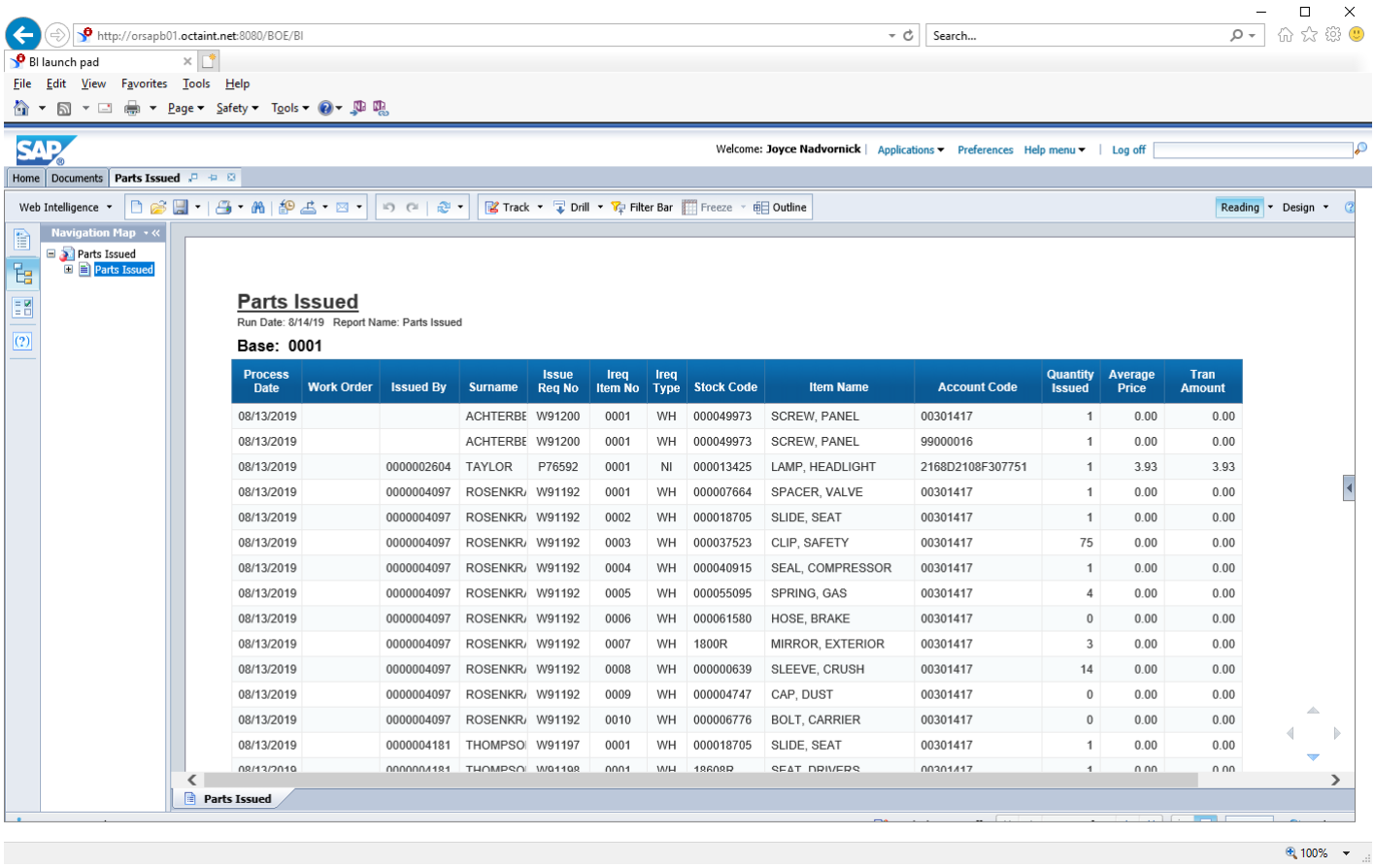
ORANGE COUNTY TRANSAPORTATION AUTHORITY

Parts to Equipment or Account Code

Run Date: 7/19/18 Report Name: Parts Charged to Insp BOs

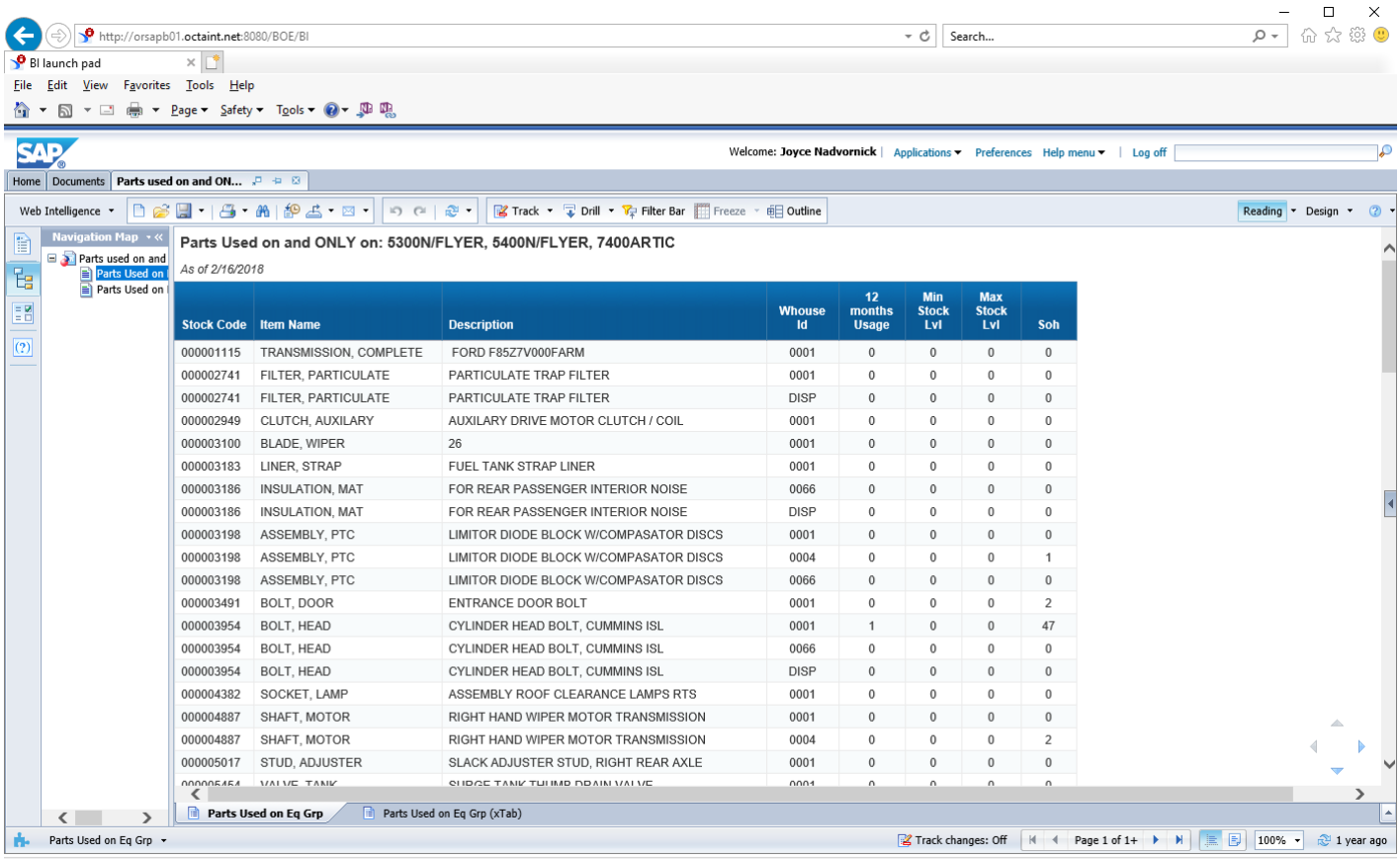
Base	Work Order	Equipment Reference	Account Code	WO Description	Issued By:	Stock Code	Parts Description	Transaction No	Quantity Issued	Unit Price	Amount
								Grand Total			

16. Parts Issued



Process Date	Work Order	Issued By	Surname	Issue Req No	Ireq Item No	Ireq Type	Stock Code	Item Name	Account Code	Quantity Issued	Average Price	Tran Amount
08/13/2019			ACHTERBE	W91200	0001	WH	000049973	SCREW, PANEL	00301417	1	0.00	0.00
08/13/2019			ACHTERBE	W91200	0001	WH	000049973	SCREW, PANEL	99000016	1	0.00	0.00
08/13/2019		0000002604	TAYLOR	P76592	0001	NI	000013425	LAMP, HEADLIGHT	2168D2108F307751	1	3.93	3.93
08/13/2019		0000004097	ROSENKR/	W91192	0001	WH	000007664	SPACER, VALVE	00301417	1	0.00	0.00
08/13/2019		0000004097	ROSENKR/	W91192	0002	WH	000018705	SLIDE, SEAT	00301417	1	0.00	0.00
08/13/2019		0000004097	ROSENKR/	W91192	0003	WH	000037523	CLIP, SAFETY	00301417	75	0.00	0.00
08/13/2019		0000004097	ROSENKR/	W91192	0004	WH	000040915	SEAL, COMPRESSOR	00301417	1	0.00	0.00
08/13/2019		0000004097	ROSENKR/	W91192	0005	WH	000055095	SPRING, GAS	00301417	4	0.00	0.00
08/13/2019		0000004097	ROSENKR/	W91192	0006	WH	000061580	HOSE, BRAKE	00301417	0	0.00	0.00
08/13/2019		0000004097	ROSENKR/	W91192	0007	WH	1800R	MIRROR, EXTERIOR	00301417	3	0.00	0.00
08/13/2019		0000004097	ROSENKR/	W91192	0008	WH	000000639	SLEEVE, CRUSH	00301417	14	0.00	0.00
08/13/2019		0000004097	ROSENKR/	W91192	0009	WH	000004747	CAP, DUST	00301417	0	0.00	0.00
08/13/2019		0000004097	ROSENKR/	W91192	0010	WH	000006776	BOLT, CARRIER	00301417	0	0.00	0.00
08/13/2019		0000004181	THOMPSO	W91197	0001	WH	000018705	SLIDE, SEAT	00301417	1	0.00	0.00
08/13/2019		0000004181	THOMPSO	W91198	0001	WH	18608R	SEAT, DRIVERS	00301417	1	0.00	0.00

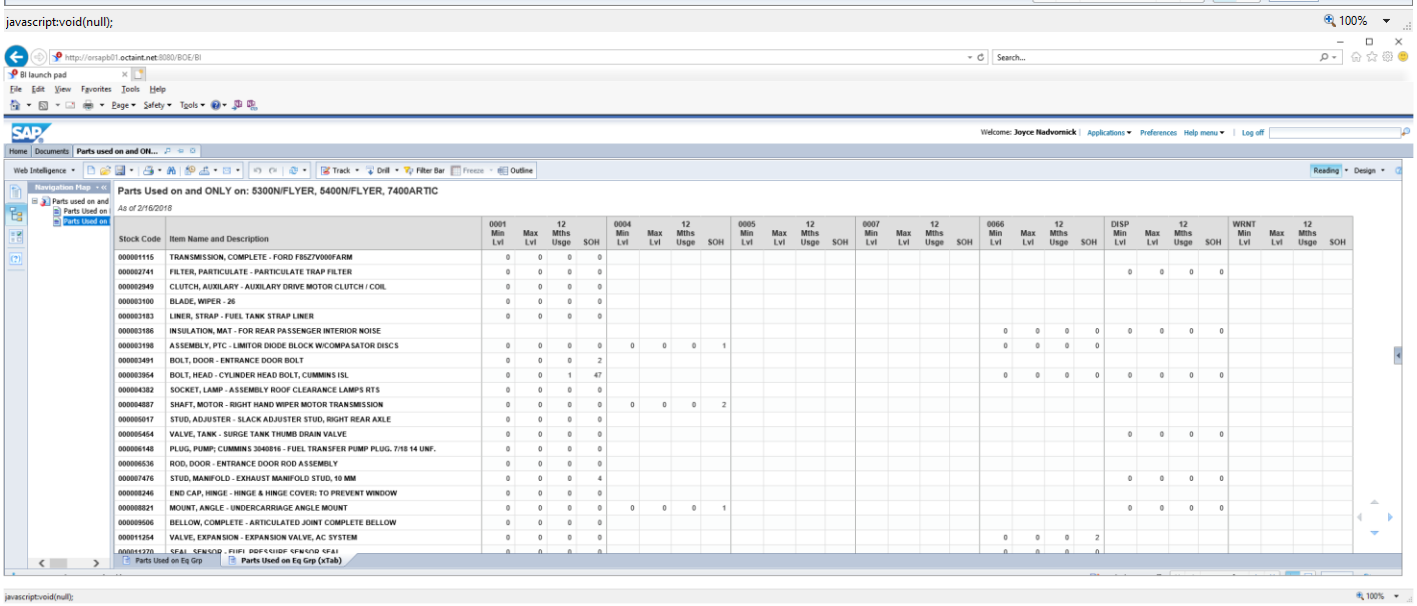
17. Parts used on and ONLY on selected Bus Series*



Parts Used on and ONLY on: 5300N/FLYER, 5400N/FLYER, 7400ARTIC

As of 2/16/2018

Stock Code	Item Name	Description	Whouse Id	12 months Usage	Min Stock Lvl	Max Stock Lvl	Soh
000001115	TRANSMISSION, COMPLETE	FORD F85Z7V000FARM	0001	0	0	0	0
000002741	FILTER, PARTICULATE	PARTICULATE TRAP FILTER	0001	0	0	0	0
000002741	FILTER, PARTICULATE	PARTICULATE TRAP FILTER	DISP	0	0	0	0
000002949	CLUTCH, AUXILARY	AUXILARY DRIVE MOTOR CLUTCH / COIL	0001	0	0	0	0
000003100	BLADE, WIPER	26	0001	0	0	0	0
000003183	LINER, STRAP	FUEL TANK STRAP LINER	0001	0	0	0	0
000003186	INSULATION, MAT	FOR REAR PASSENGER INTERIOR NOISE	0066	0	0	0	0
000003186	INSULATION, MAT	FOR REAR PASSENGER INTERIOR NOISE	DISP	0	0	0	0
000003198	ASSEMBLY, PTC	LIMITOR DIODE BLOCK W/COMPASATOR DISCS	0001	0	0	0	0
000003198	ASSEMBLY, PTC	LIMITOR DIODE BLOCK W/COMPASATOR DISCS	0004	0	0	0	1
000003198	ASSEMBLY, PTC	LIMITOR DIODE BLOCK W/COMPASATOR DISCS	0066	0	0	0	0
000003491	BOLT, DOOR	ENTRANCE DOOR BOLT	0001	0	0	0	2
000003954	BOLT, HEAD	CYLINDER HEAD BOLT, CUMMINS ISL	0001	1	0	0	47
000003954	BOLT, HEAD	CYLINDER HEAD BOLT, CUMMINS ISL	0066	0	0	0	0
000003954	BOLT, HEAD	CYLINDER HEAD BOLT, CUMMINS ISL	DISP	0	0	0	0
000004382	SOCKET, LAMP	ASSEMBLY ROOF CLEARANCE LAMPS RTS	0001	0	0	0	0
000004887	SHAFT, MOTOR	RIGHT HAND WIPER MOTOR TRANSMISSION	0001	0	0	0	0
000004887	SHAFT, MOTOR	RIGHT HAND WIPER MOTOR TRANSMISSION	0004	0	0	0	2
000005017	STUD, ADJUSTER	SLACK ADJUSTER STUD, RIGHT REAR AXLE	0001	0	0	0	0
000005454	VALVE, TANK	SURGE TANK THUMB DRAIN VALVE	0001	0	0	0	0

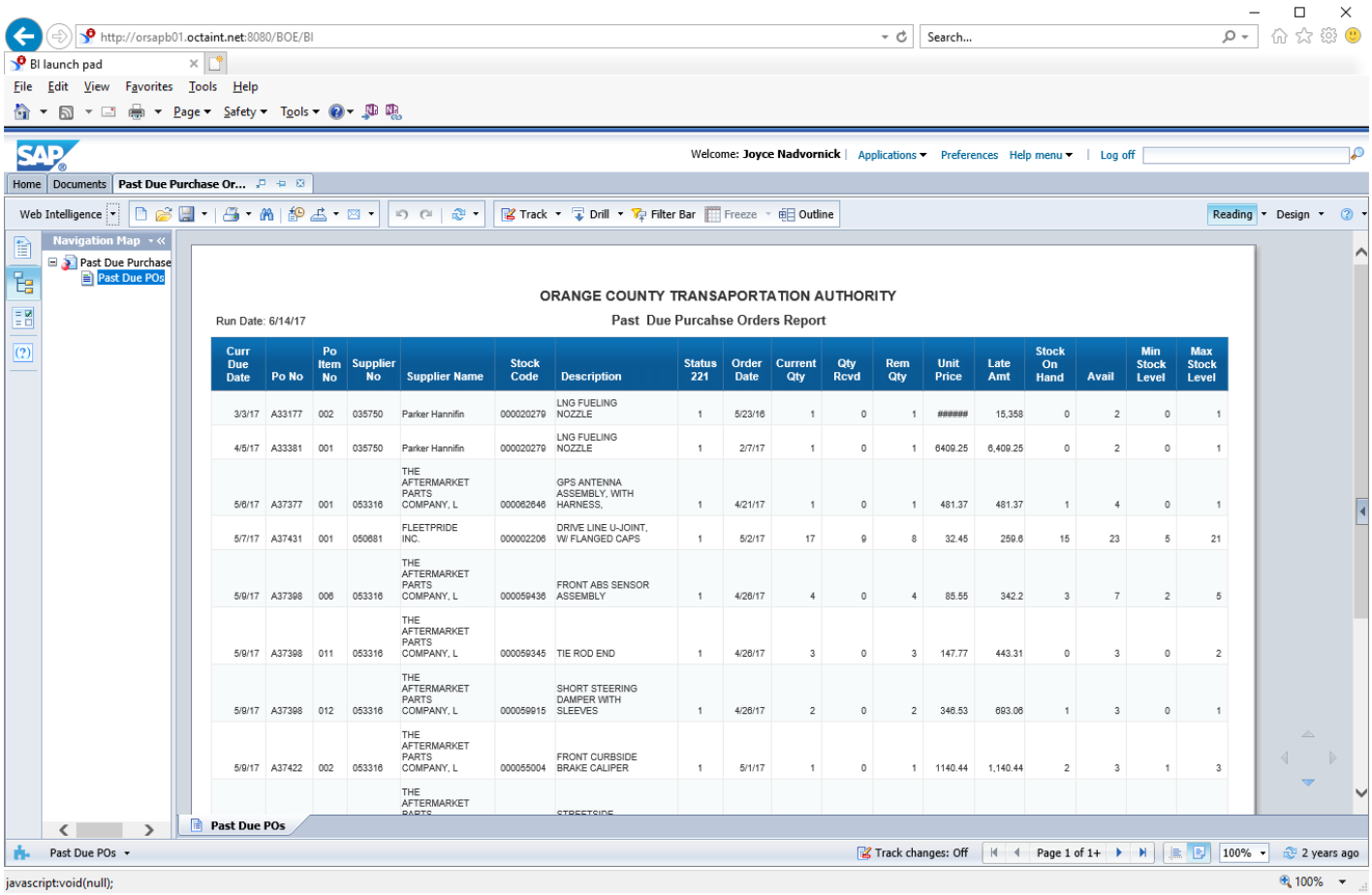


Parts Used on and ONLY on: 5300N/FLYER, 5400N/FLYER, 7400ARTIC

As of 2/16/2018

Stock Code	Item Name and Description	0001 Min Lvl	0001 Max Lvl	0001 12 Mths Usge	0001 SOH	0004 Min Lvl	0004 Max Lvl	0004 12 Mths Usge	0004 SOH	0005 Min Lvl	0005 Max Lvl	0005 12 Mths Usge	0005 SOH	0007 Min Lvl	0007 Max Lvl	0007 12 Mths Usge	0007 SOH	0066 Min Lvl	0066 Max Lvl	0066 12 Mths Usge	0066 SOH	DISP Min Lvl	DISP Max Lvl	DISP 12 Mths Usge	DISP SOH	WRNT Min Lvl	WRNT Max Lvl	WRNT 12 Mths Usge	WRNT SOH
000001115	TRANSMISSION, COMPLETE - FORD F85Z7V000FARM	0	0	0	0																								
000002741	FILTER, PARTICULATE - PARTICULATE TRAP FILTER	0	0	0	0																	0	0	0	0				
000002949	CLUTCH, AUXILARY - AUXILARY DRIVE MOTOR CLUTCH / COIL	0	0	0	0																								
000003100	BLADE, WIPER - 26	0	0	0	0																								
000003183	LINER, STRAP - FUEL TANK STRAP LINER	0	0	0	0																								
000003186	INSULATION, MAT - FOR REAR PASSENGER INTERIOR NOISE																	0	0	0	0	0	0	0	0				
000003198	ASSEMBLY, PTC - LIMITOR DIODE BLOCK W/COMPASATOR DISCS	0	0	0	0	0	0	0	1									0	0	0	0								
000003491	BOLT, DOOR - ENTRANCE DOOR BOLT	0	0	0	2																								
000003954	BOLT, HEAD - CYLINDER HEAD BOLT, CUMMINS ISL	0	0	1	47													0	0	0	0	0	0	0	0				
000004382	SOCKET, LAMP - ASSEMBLY ROOF CLEARANCE LAMPS RTS	0	0	0	0																								
000004887	SHAFT, MOTOR - RIGHT HAND WIPER MOTOR TRANSMISSION	0	0	0	0	0	0	0	2																				
000005017	STUD, ADJUSTER - SLACK ADJUSTER STUD, RIGHT REAR AXLE	0	0	0	0																								
000005454	VALVE, TANK - SURGE TANK THUMB DRAIN VALVE	0	0	0	0																	0	0	0	0				
000006148	PLUG, PUMP; CUMMINS 3040816 - FUEL TRANSFER PUMP PLUG. 7/18 14 UNF.	0	0	0	0																								
000006536	ROD, DOOR - ENTRANCE DOOR ROD ASSEMBLY	0	0	0	0																								
000007476	STUD, MANIFOLD - EXHAUST MANIFOLD STUD, 10 MM	0	0	0	4																	0	0	0	0				
000008246	END CAP, HINGE - HINGE & HINGE COVER: TO PREVENT WINDOW	0	0	0	0																								
000008821	MOUNT, ANGLE - UNDERCARRIAGE ANGLE MOUNT	0	0	0	0	0	0	0	1													0	0	0	0				
000009506	BELLOW, COMPLETE - ARTICULATED JOINT COMPLETE BELLOW	0	0	0	0																								
000011254	VALVE, EXPANSION - EXPANSION VALVE, AC SYSTEM	0	0	0	0													0	0	0	2								
000011270	SEAL, SENSOR - FUEL PRESSURE SENSOR SEAL	0	0	0	0													0	0	0	0								

18. Past Due Purchase Orders



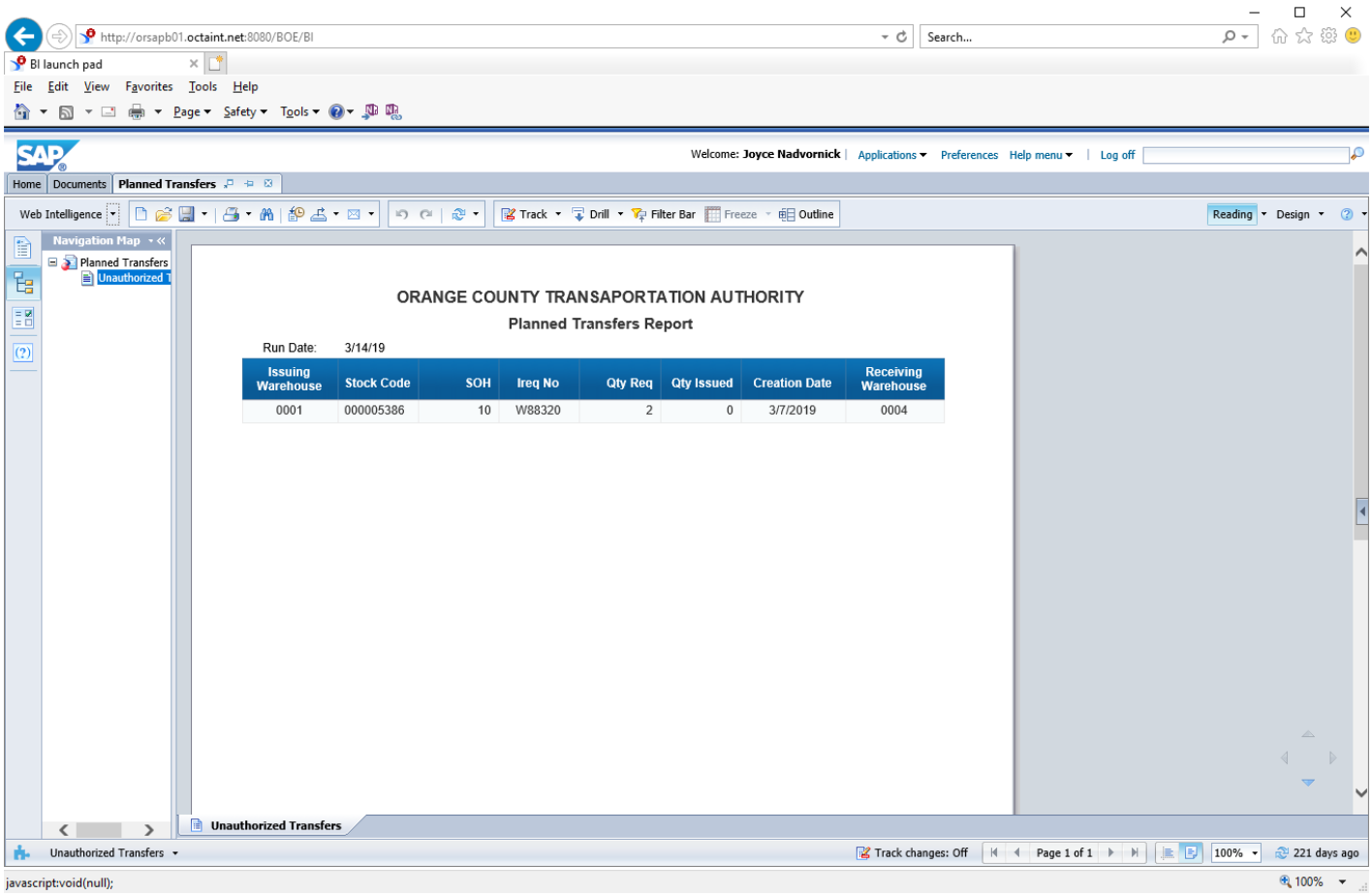
ORANGE COUNTY TRANSAPORTATION AUTHORITY

Run Date: 6/14/17

Past Due Purcahse Orders Report

Curr Due Date	Po No	Po Item No	Supplier No	Supplier Name	Stock Code	Description	Status 221	Order Date	Current Qty	Qty Rcvd	Rem Qty	Unit Price	Late Amt	Stock On Hand	Avail	Min Stock Level	Max Stock Level
3/3/17	A33177	002	035750	Parker Hannifin	000020279	LNG FUELING NOZZLE	1	5/23/16	1	0	1	######	15,358	0	2	0	1
4/5/17	A33381	001	035750	Parker Hannifin	000020279	LNG FUELING NOZZLE	1	2/7/17	1	0	1	6409.25	6,409.25	0	2	0	1
5/6/17	A37377	001	053316	THE AFTERMARKET PARTS COMPANY, L	000062646	GPS ANTENNA ASSEMBLY, WITH HARNESS,	1	4/21/17	1	0	1	481.37	481.37	1	4	0	1
5/7/17	A37431	001	050681	FLEETPRIDE INC.	000002206	DRIVE LINE U-JOINT, W/ FLANGED CAPS	1	5/2/17	17	9	8	32.45	259.6	15	23	5	21
5/9/17	A37398	006	053316	THE AFTERMARKET PARTS COMPANY, L	000059436	FRONT ABS SENSOR ASSEMBLY	1	4/26/17	4	0	4	85.55	342.2	3	7	2	5
5/9/17	A37398	011	053316	THE AFTERMARKET PARTS COMPANY, L	000059345	TIE ROD END	1	4/26/17	3	0	3	147.77	443.31	0	3	0	2
5/9/17	A37398	012	053316	THE AFTERMARKET PARTS COMPANY, L	000059915	SHORT STEERING DAMPER WITH SLEEVES	1	4/26/17	2	0	2	346.53	693.06	1	3	0	1
5/9/17	A37422	002	053316	THE AFTERMARKET PARTS COMPANY, L	000055004	FRONT CURBSIDE BRAKE CALIPER	1	5/1/17	1	0	1	1140.44	1,140.44	2	3	1	3
				THE AFTERMARKET PARTS		STREETSIDE											

19. Planned Transfers*



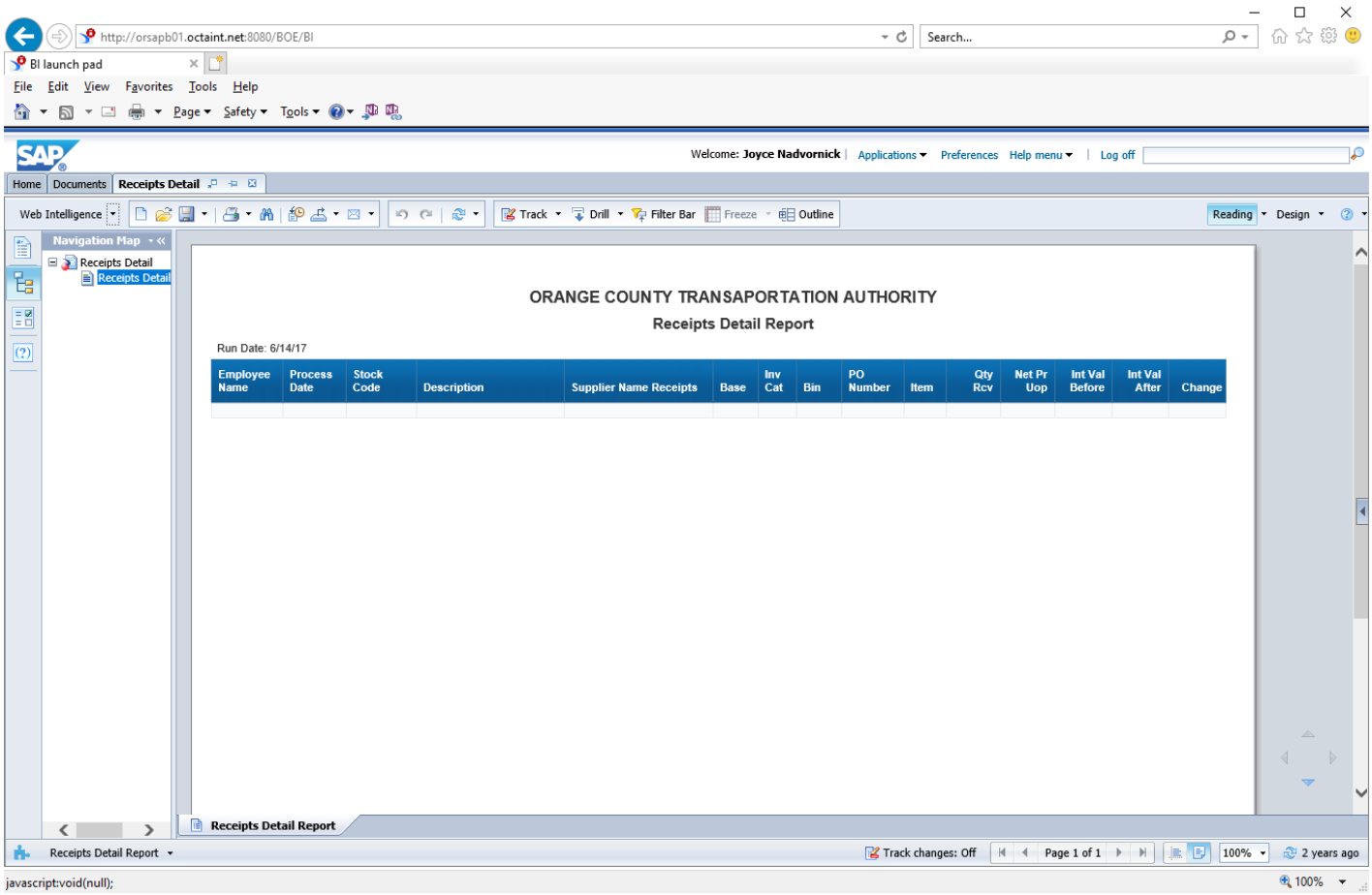
ORANGE COUNTY TRANSAPORTATION AUTHORITY

Planned Transfers Report

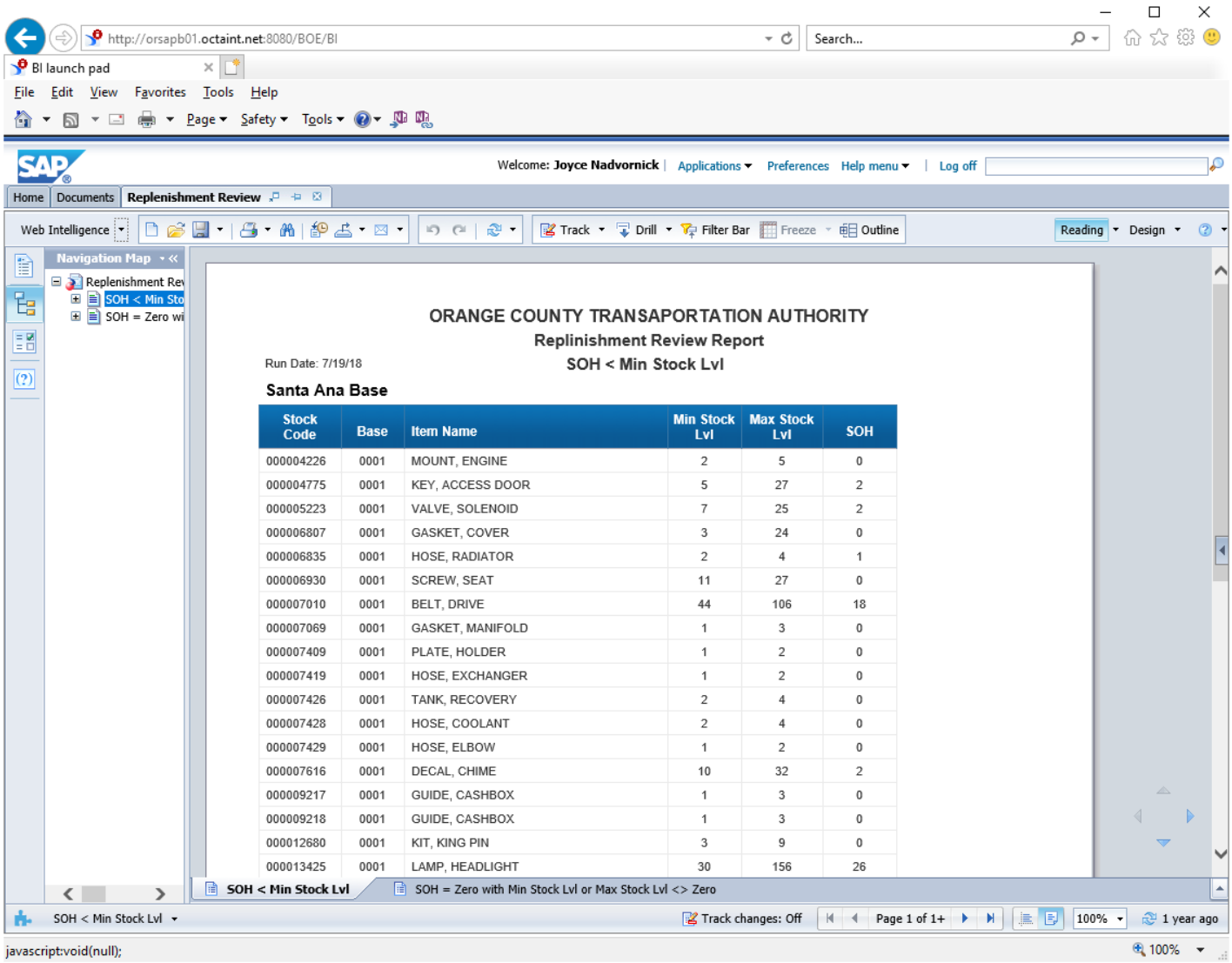
Run Date: 3/14/19

Issuing Warehouse	Stock Code	SOH	Ireq No	Qty Req	Qty Issued	Creation Date	Receiving Warehouse
0001	000005386	10	W88320	2	0	3/7/2019	0004

20. Receipts Detail



21. Replenishment Review



ORANGE COUNTY TRANSAPORTATION AUTHORITY

Replinishment Review Report

SOH < Min Stock Lvl

Run Date: 7/19/18

Santa Ana Base

Stock Code	Base	Item Name	Min Stock Lvl	Max Stock Lvl	SOH
000004226	0001	MOUNT, ENGINE	2	5	0
000004775	0001	KEY, ACCESS DOOR	5	27	2
000005223	0001	VALVE, SOLENOID	7	25	2
000006807	0001	GASKET, COVER	3	24	0
000006835	0001	HOSE, RADIATOR	2	4	1
000006930	0001	SCREW, SEAT	11	27	0
000007010	0001	BELT, DRIVE	44	106	18
000007069	0001	GASKET, MANIFOLD	1	3	0
000007409	0001	PLATE, HOLDER	1	2	0
000007419	0001	HOSE, EXCHANGER	1	2	0
000007426	0001	TANK, RECOVERY	2	4	0
000007428	0001	HOSE, COOLANT	2	4	0
000007429	0001	HOSE, ELBOW	1	2	0
000007616	0001	DECAL, CHIME	10	32	2
000009217	0001	GUIDE, CASHBOX	1	3	0
000009218	0001	GUIDE, CASHBOX	1	3	0
000012680	0001	KIT, KING PIN	3	9	0
000013425	0001	LAMP, HEADLIGHT	30	156	26

http://orsapb01.octaint.net:8080/BOE/BI

BI launch pad

File Edit View Favorites Tools Help

Page Safety Tools

Welcome: Joyce Nadvornick | Applications Preferences Help menu | Log off

Home Documents Replenishment Review

Web Intelligence Track Drill Filter Bar Freeze Outline Reading Design

Navigation Map

- Replenishment Rev
  - SOH < Min Sto
  - SOH = Zero wi

ORANGE COUNTY TRANSAPORTATION AUTHORITY

Replinishment Review Report

Run Date: 7/19/18

SOH < Min Stock Lvl

Santa Ana Base

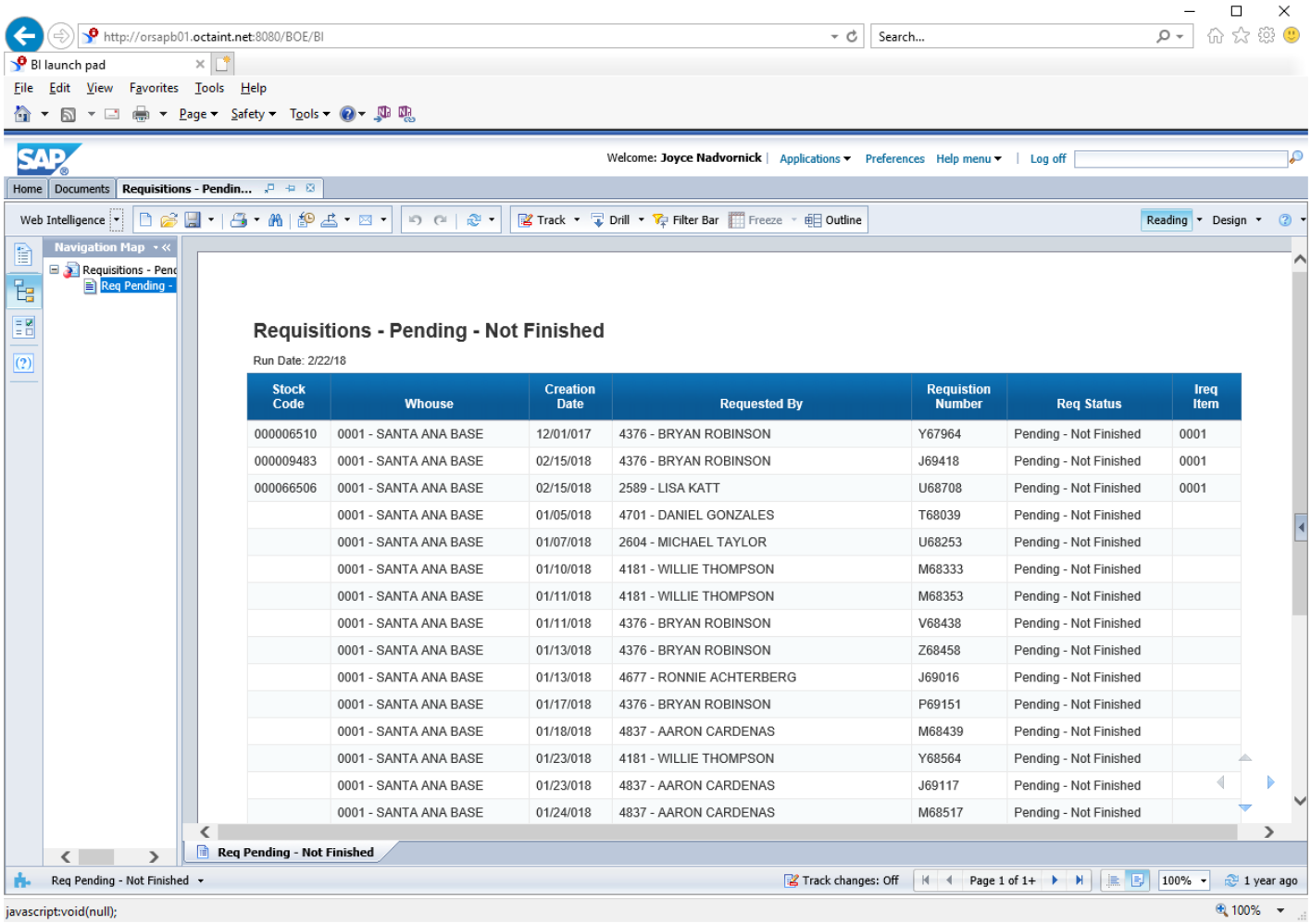
Stock Code	Base	Description	SOH	Min Stock Level	Max Stock Level	Class
000004226	0001	FRONT ENGINE MOUNT		2	5	1
000006807	0001	POWER STEERING RESERVOIR COVER GASKET		3	24	1
000006930	0001	BUTTON HEAD SEAT SECUREMENT SCREW		11	27	1
000007068	0001	ENGINE SPARK PLUG;FORD EXPLORER INTERCEP		0	6	1
000007069	0001	ENGINE INTAKE MANIFOLD GASKET;FORD EXPLO		1	3	1
000007290	0001	ENTRANCE DOOR EDGE FORE		0	1	1
000007336	0001	REAR AC DISCHARGE TUBE		0	1	1
000007367	0001	REAR ROOF POWER STEERING SUPPLY TUBE ASS		0	1	1
000007387	0001	REAR HVAC RETURN TUBE ASSEMBLY		0	1	1
000007409	0001	LICENSE PLATE BRACKET ASSEMBLY		1	2	1
000007419	0001	HEAT EXCHANGER HOSE		1	2	1
000007426	0001	COOLANT RECOVERY TANK ASSEMBLY		2	4	1
000007428	0001	COOLANT HOSE ASSEMBLY;29.5 INCHES LONG O		2	4	1
000007429	0001	HVAC BOOSTER PUMP HOSE;90 DEGREE SILICON		1	2	1
000009217	0001	RIGHT SIDE CASHBOX GUIDE		1	3	1
000009218	0001	LEFT SIDE CASHBOX GUIDE		1	3	1
000012680	0001	AXLE KING PIN KIT. (ISSUE TWO AT A TIME		3	9	1
000016861	0001	COMPLETE TRANSMISSION OVERHAUL KIT		2	3	1

SOH < Min Stock Lvl | SOH = Zero with Min Stock Lvl or Max Stock Lvl <> Zero

SOH = Zero with Min Stock Lvl or Max Stock Lvl <> Zero | Track changes: Off | Page 1 of 1+ | 100% | 1 year ago

javascript:void(null); 100%

22. Requisitions - Pending - Not Finished*

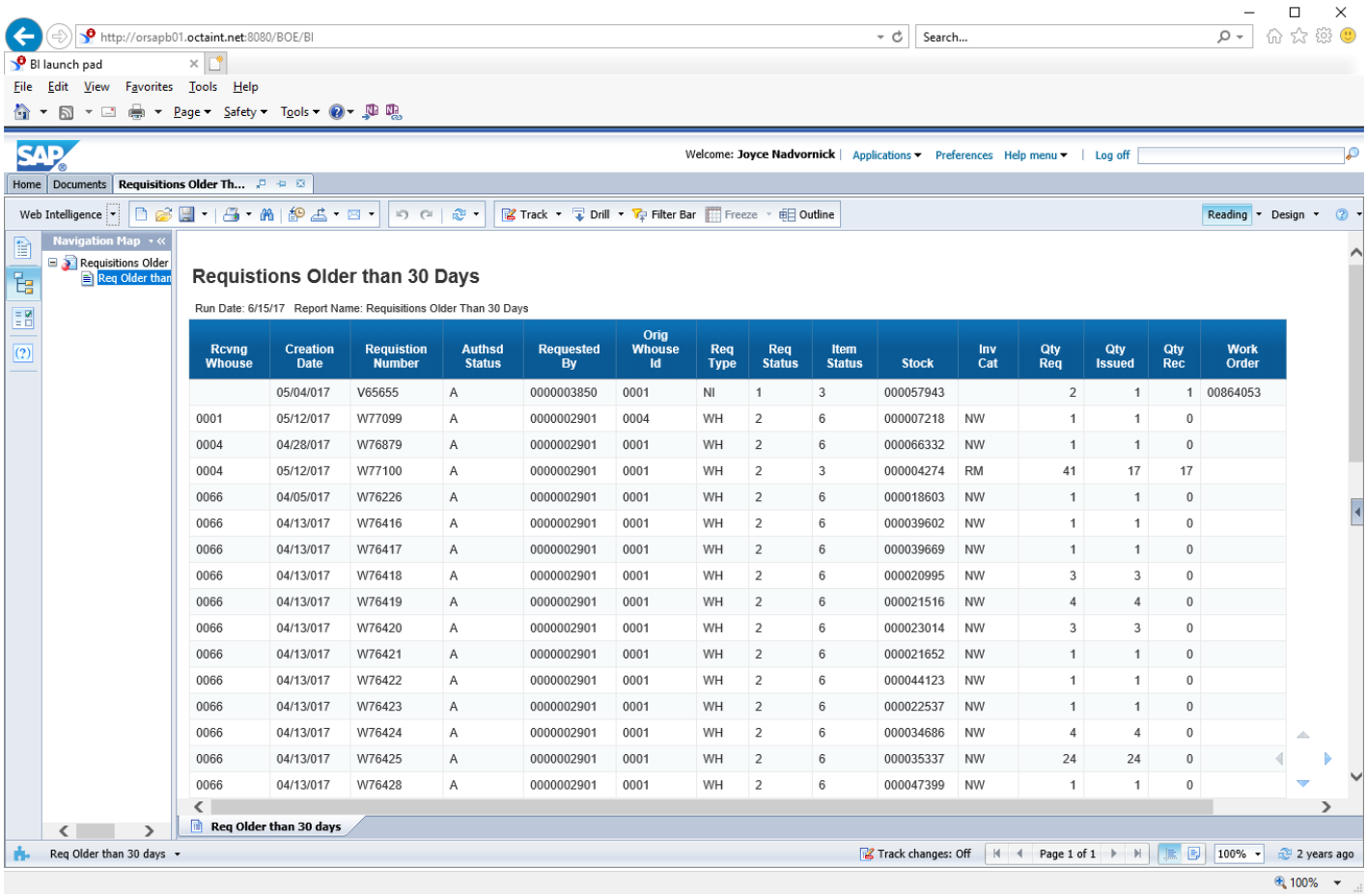


Requisitions - Pending - Not Finished

Run Date: 2/22/18

Stock Code	Whouse	Creation Date	Requested By	Requisition Number	Req Status	Ireq Item
000006510	0001 - SANTA ANA BASE	12/01/017	4376 - BRYAN ROBINSON	Y67964	Pending - Not Finished	0001
000009483	0001 - SANTA ANA BASE	02/15/018	4376 - BRYAN ROBINSON	J69418	Pending - Not Finished	0001
000066506	0001 - SANTA ANA BASE	02/15/018	2589 - LISA KATT	U68708	Pending - Not Finished	0001
	0001 - SANTA ANA BASE	01/05/018	4701 - DANIEL GONZALES	T68039	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/07/018	2604 - MICHAEL TAYLOR	U68253	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/10/018	4181 - WILLIE THOMPSON	M68333	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/11/018	4181 - WILLIE THOMPSON	M68353	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/11/018	4376 - BRYAN ROBINSON	V68438	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/13/018	4376 - BRYAN ROBINSON	Z68458	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/13/018	4677 - RONNIE ACHTERBERG	J69016	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/17/018	4376 - BRYAN ROBINSON	P69151	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/18/018	4837 - AARON CARDENAS	M68439	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/23/018	4181 - WILLIE THOMPSON	Y68564	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/23/018	4837 - AARON CARDENAS	J69117	Pending - Not Finished	
	0001 - SANTA ANA BASE	01/24/018	4837 - AARON CARDENAS	M68517	Pending - Not Finished	

23. Requisitions Older than 30 Days

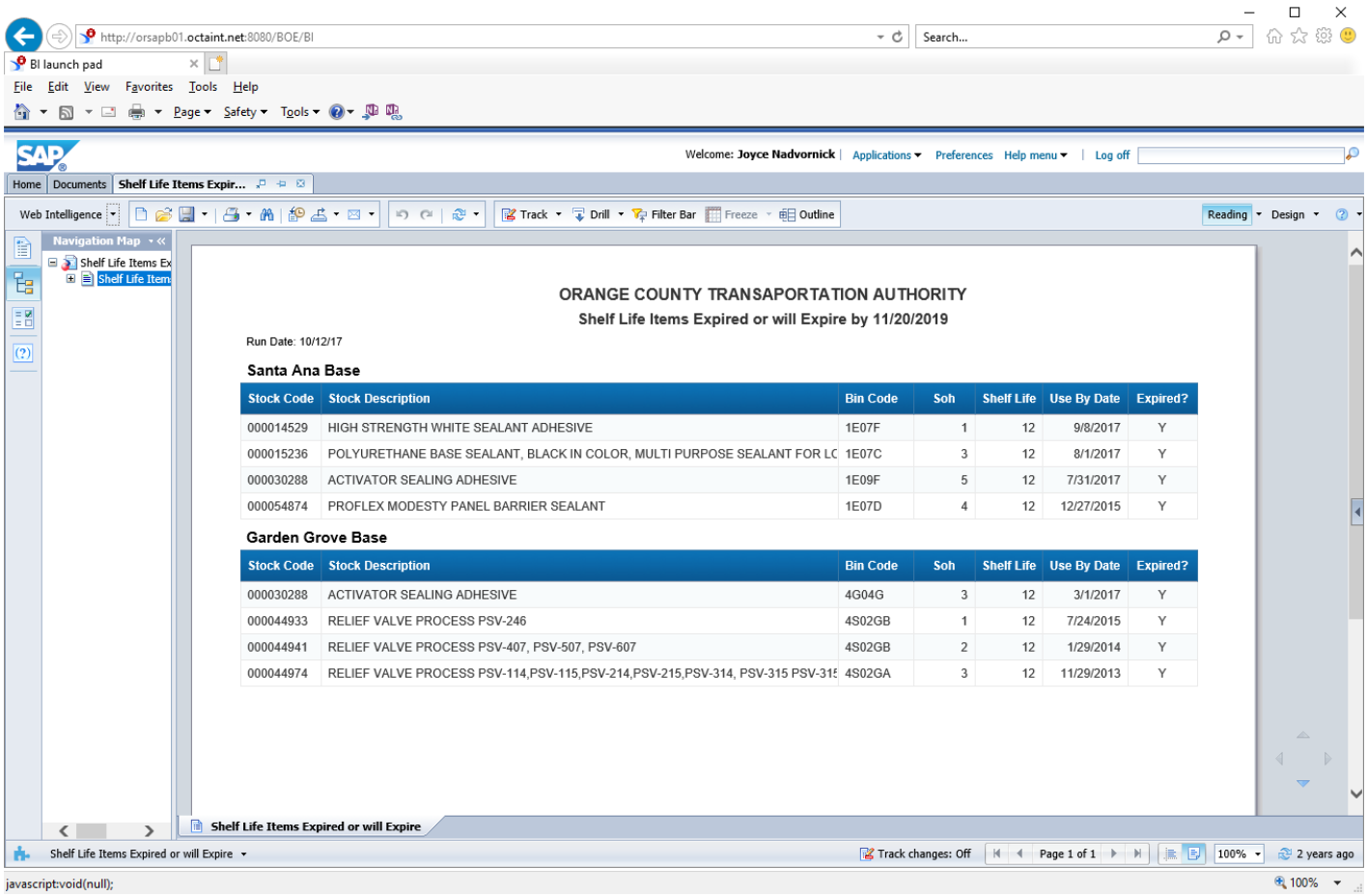


Requistions Older than 30 Days

Run Date: 6/15/17 Report Name: Requisitions Older Than 30 Days

Rcvng Whouse	Creation Date	Requistion Number	Authsd Status	Requested By	Orig Whouse Id	Req Type	Req Status	Item Status	Stock	Inv Cat	Qty Req	Qty Issued	Qty Rec	Work Order
	05/04/017	V65655	A	0000003850	0001	NI	1	3	000057943		2	1	1	00864053
0001	05/12/017	W77099	A	0000002901	0004	WH	2	6	000007218	NW	1	1	0	
0004	04/28/017	W76879	A	0000002901	0001	WH	2	6	000066332	NW	1	1	0	
0004	05/12/017	W77100	A	0000002901	0001	WH	2	3	000004274	RM	41	17	17	
0066	04/05/017	W76226	A	0000002901	0001	WH	2	6	000018603	NW	1	1	0	
0066	04/13/017	W76416	A	0000002901	0001	WH	2	6	000039602	NW	1	1	0	
0066	04/13/017	W76417	A	0000002901	0001	WH	2	6	000039669	NW	1	1	0	
0066	04/13/017	W76418	A	0000002901	0001	WH	2	6	000020995	NW	3	3	0	
0066	04/13/017	W76419	A	0000002901	0001	WH	2	6	000021516	NW	4	4	0	
0066	04/13/017	W76420	A	0000002901	0001	WH	2	6	000023014	NW	3	3	0	
0066	04/13/017	W76421	A	0000002901	0001	WH	2	6	000021652	NW	1	1	0	
0066	04/13/017	W76422	A	0000002901	0001	WH	2	6	000044123	NW	1	1	0	
0066	04/13/017	W76423	A	0000002901	0001	WH	2	6	000022537	NW	1	1	0	
0066	04/13/017	W76424	A	0000002901	0001	WH	2	6	000034686	NW	4	4	0	
0066	04/13/017	W76425	A	0000002901	0001	WH	2	6	000035337	NW	24	24	0	
0066	04/13/017	W76428	A	0000002901	0001	WH	2	6	000047399	NW	1	1	0	

24. Shelf Life Items Expired or about to Expire*



ORANGE COUNTY TRANSAPORTATION AUTHORITY

Shelf Life Items Expired or will Expire by 11/20/2019

Run Date: 10/12/17

Santa Ana Base

Stock Code	Stock Description	Bin Code	Soh	Shelf Life	Use By Date	Expired?
000014529	HIGH STRENGTH WHITE SEALANT ADHESIVE	1E07F	1	12	9/8/2017	Y
000015236	POLYURETHANE BASE SEALANT, BLACK IN COLOR, MULTI PURPOSE SEALANT FOR LC	1E07C	3	12	8/1/2017	Y
000030288	ACTIVATOR SEALING ADHESIVE	1E09F	5	12	7/31/2017	Y
000054874	PROFLEX MODESTY PANEL BARRIER SEALANT	1E07D	4	12	12/27/2015	Y

Garden Grove Base

Stock Code	Stock Description	Bin Code	Soh	Shelf Life	Use By Date	Expired?
000030288	ACTIVATOR SEALING ADHESIVE	4G04G	3	12	3/1/2017	Y
000044933	RELIEF VALVE PROCESS PSV-246	4S02GB	1	12	7/24/2015	Y
000044941	RELIEF VALVE PROCESS PSV-407, PSV-507, PSV-607	4S02GB	2	12	1/29/2014	Y
000044974	RELIEF VALVE PROCESS PSV-114,PSV-115,PSV-214,PSV-215,PSV-314, PSV-315 PSV-315	4S02GA	3	12	11/29/2013	Y

25. Stock Code Used in Last 12 Months with Min/Max=0*

http://orsapb01.octaint.net:8080/BOE/BI

BI launch pad

File Edit View Favorites Tools Help

Page Safety Tools

Welcome: Joyce Nadvornick | Applications Preferences Help menu | Log off

Home Documents Stock Code Used in L...

Web Intelligence Track Drill Filter Bar Freeze Outline Reading Design

Navigation Map

Stock Code Used i

Stock Usage w

ORANGE COUNTY TRANSAPORTATION AUTHORITY

Stock Code with Usage in the last 12 months (2/1/2017 to 1/31/2018)

Run Date: 2/14/18

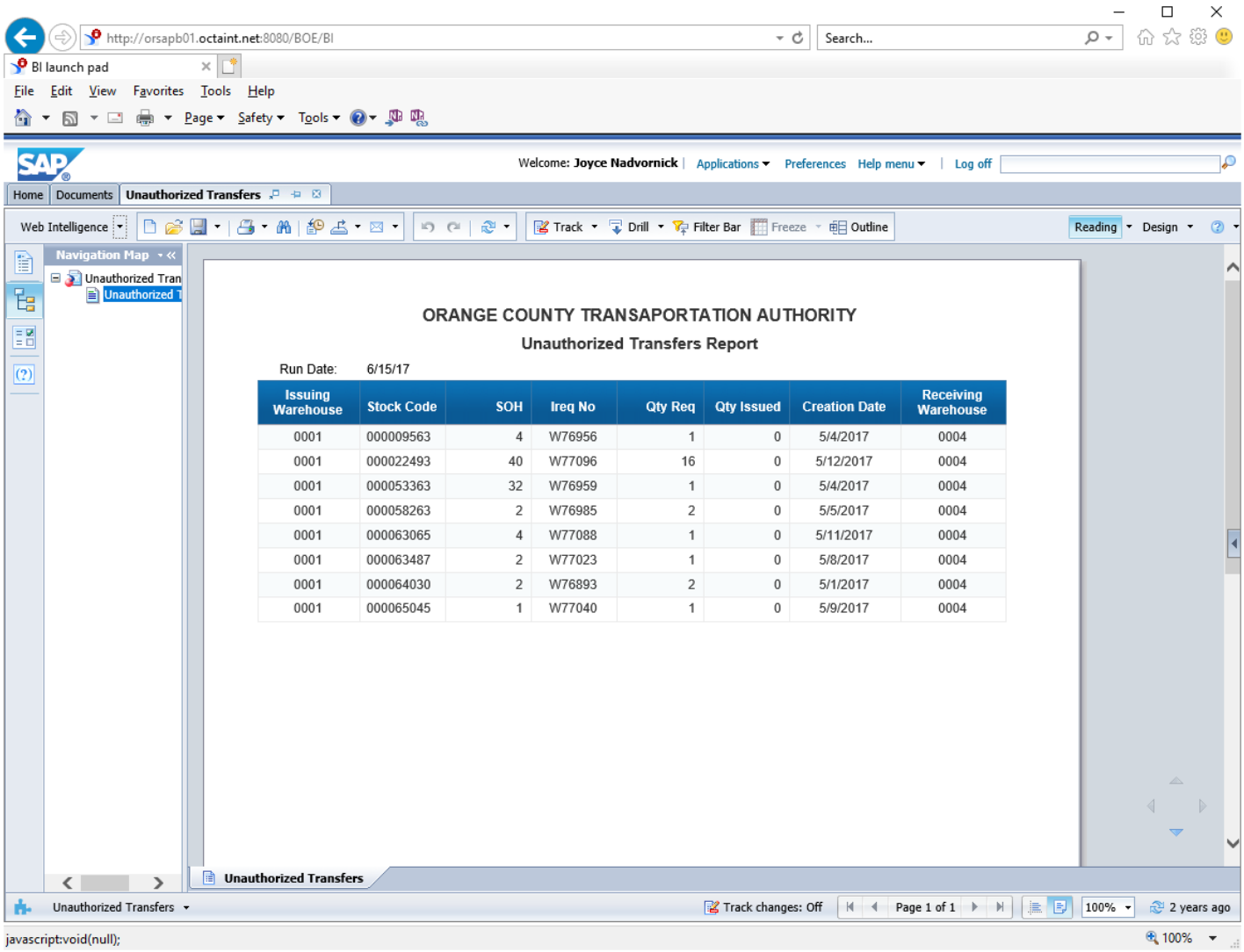
Stock Code	Item Name	Description	Min Stock Lvl	Max Stock Lvl	Usage
000000002	BEARING, BALL	FLANGED GEARING ASSEMBLY	0	0	32
000000020	ASSEMBLY, SHAFT	PRINTER SHAFT ASSEMBLY	0	0	24
000000145	BEARING, WHEEL	REAR WHEEL BEARING, OUTER	0	0	2
000000147	BEARING, WHEEL	INNER REAR WHEEL BEARING.	0	0	2
000000153	CONE, BEARING	INNER WHEEL BEARING CONE, CENTER AXLE	0	0	2
000000220	SEAL, BEARING	A/C COMPRESSOR, REAR BEARING SEAL	0	0	8
000000265	HOSE, MOTOR	FAN MOTOR CONTROL HOSE	0	0	1
000000280	BUSHING, BRAKE	FRONT AND REAR SPIDERS CAMSHAFT, BRASS	0	0	19
000000328	RACE, BEARING	INNER REAR HUB RACE	0	0	2
000000329	RACE, WHEEL	OUTER REAR WHEEL HUB	0	0	2
000000336	CUP, BEARING	INNER WHEEL BEARING CUP,	0	0	2
000000340	RACE, DIFFERENTIAL	CONE TYPE. FOR INNER PINION BEARING	0	0	1
000000401	RETAINER, LOCK	WHEELCHAIR LIFT KEY SWITCH AND LOCK	0	0	10
000000458	ALARM, WARNING	WARNING ALARM	0	0	7
000000509	LINK, CONTROL	REAR SUSPENSION HEIGHT CONTROL VALVE	0	0	3
000000521	HOOK, COAT	CHROME DRIVERS COMPARTMENT	0	0	1
000000547	LEVER, ROCKER	EXHAUST VALVE ROCKER LEVER ASSEMBLY	0	0	1
000000575	FILTER, OIL	ENGINE OIL. SPIN-ON.	0	0	3

Stock Usage with Min/Max=0

Stock Usage with Min/Max=0 Track changes: Off Page 1 of 1+ 100% 1 year ago

javascript:void(null); 100%

26. Unauthorized Transfers



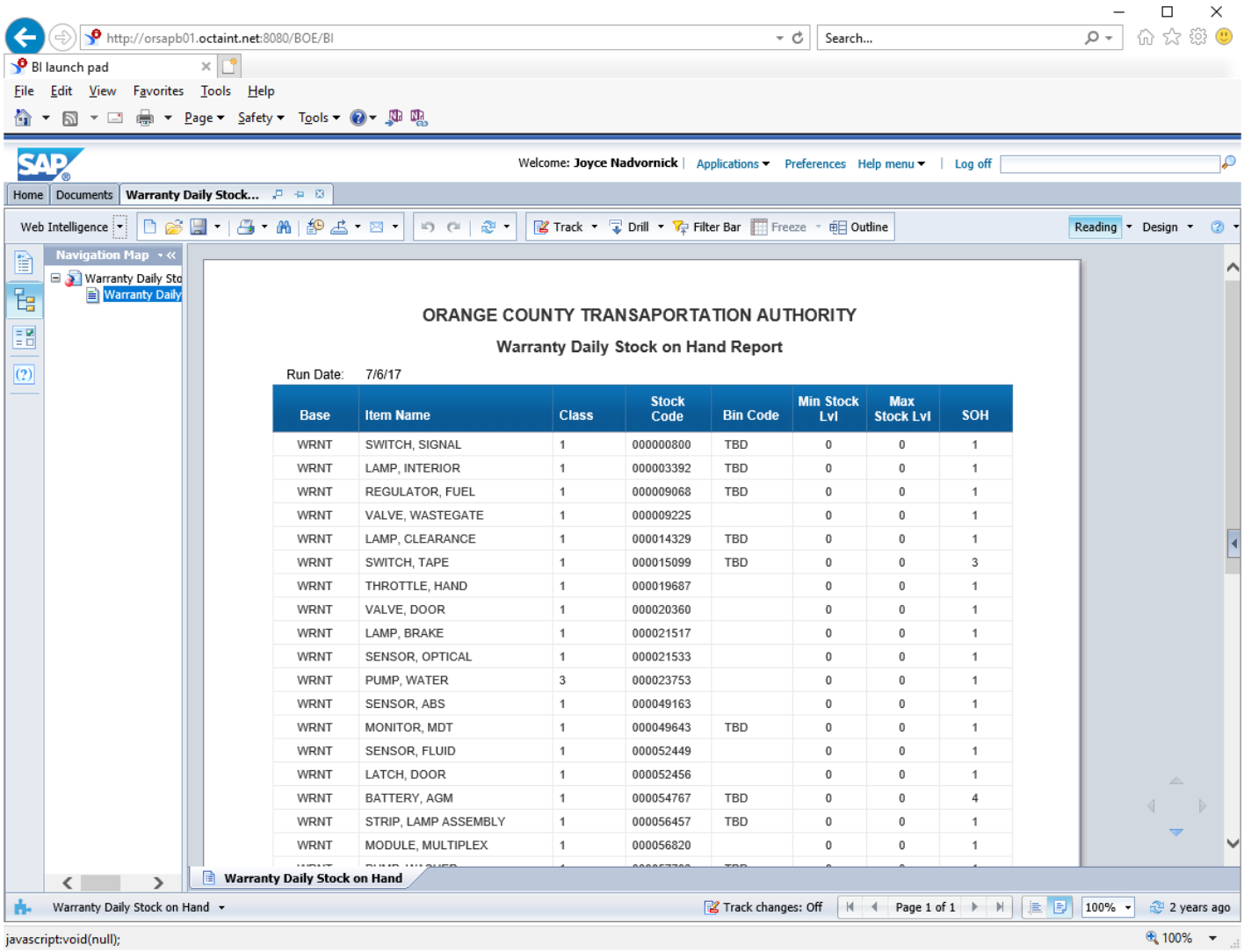
ORANGE COUNTY TRANSAPORTATION AUTHORITY

Unauthorized Transfers Report

Run Date: 6/15/17

Issuing Warehouse	Stock Code	SOH	Ireq No	Qty Req	Qty Issued	Creation Date	Receiving Warehouse
0001	000009563	4	W76956	1	0	5/4/2017	0004
0001	000022493	40	W77096	16	0	5/12/2017	0004
0001	000053363	32	W76959	1	0	5/4/2017	0004
0001	000058263	2	W76985	2	0	5/5/2017	0004
0001	000063065	4	W77088	1	0	5/11/2017	0004
0001	000063487	2	W77023	1	0	5/8/2017	0004
0001	000064030	2	W76893	2	0	5/1/2017	0004
0001	000065045	1	W77040	1	0	5/9/2017	0004

27. Warranty Daily Stock on Hand



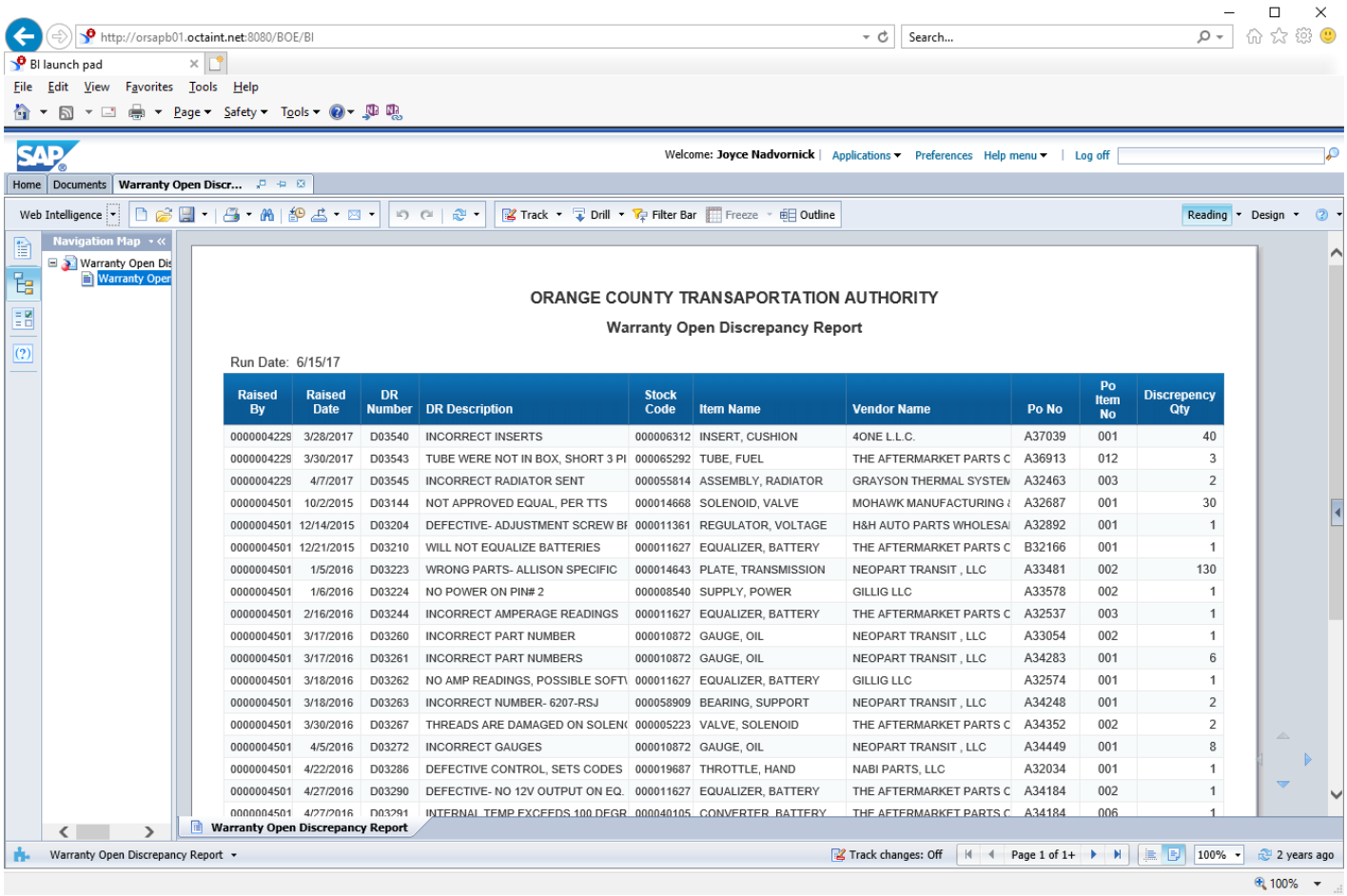
ORANGE COUNTY TRANSAPORTATION AUTHORITY

Warranty Daily Stock on Hand Report

Run Date: 7/6/17

Base	Item Name	Class	Stock Code	Bin Code	Min Stock Lvl	Max Stock Lvl	SOH
WRNT	SWITCH, SIGNAL	1	000000800	TBD	0	0	1
WRNT	LAMP, INTERIOR	1	000003392	TBD	0	0	1
WRNT	REGULATOR, FUEL	1	000009068	TBD	0	0	1
WRNT	VALVE, WASTEGATE	1	000009225		0	0	1
WRNT	LAMP, CLEARANCE	1	000014329	TBD	0	0	1
WRNT	SWITCH, TAPE	1	000015099	TBD	0	0	3
WRNT	THROTTLE, HAND	1	000019687		0	0	1
WRNT	VALVE, DOOR	1	000020360		0	0	1
WRNT	LAMP, BRAKE	1	000021517		0	0	1
WRNT	SENSOR, OPTICAL	1	000021533		0	0	1
WRNT	PUMP, WATER	3	000023753		0	0	1
WRNT	SENSOR, ABS	1	000049163		0	0	1
WRNT	MONITOR, MDT	1	000049643	TBD	0	0	1
WRNT	SENSOR, FLUID	1	000052449		0	0	1
WRNT	LATCH, DOOR	1	000052456		0	0	1
WRNT	BATTERY, AGM	1	000054767	TBD	0	0	4
WRNT	STRIP, LAMP ASSEMBLY	1	000056457	TBD	0	0	1
WRNT	MODULE, MULTIPLEX	1	000056820		0	0	1

28. Warranty Open Discrepancy



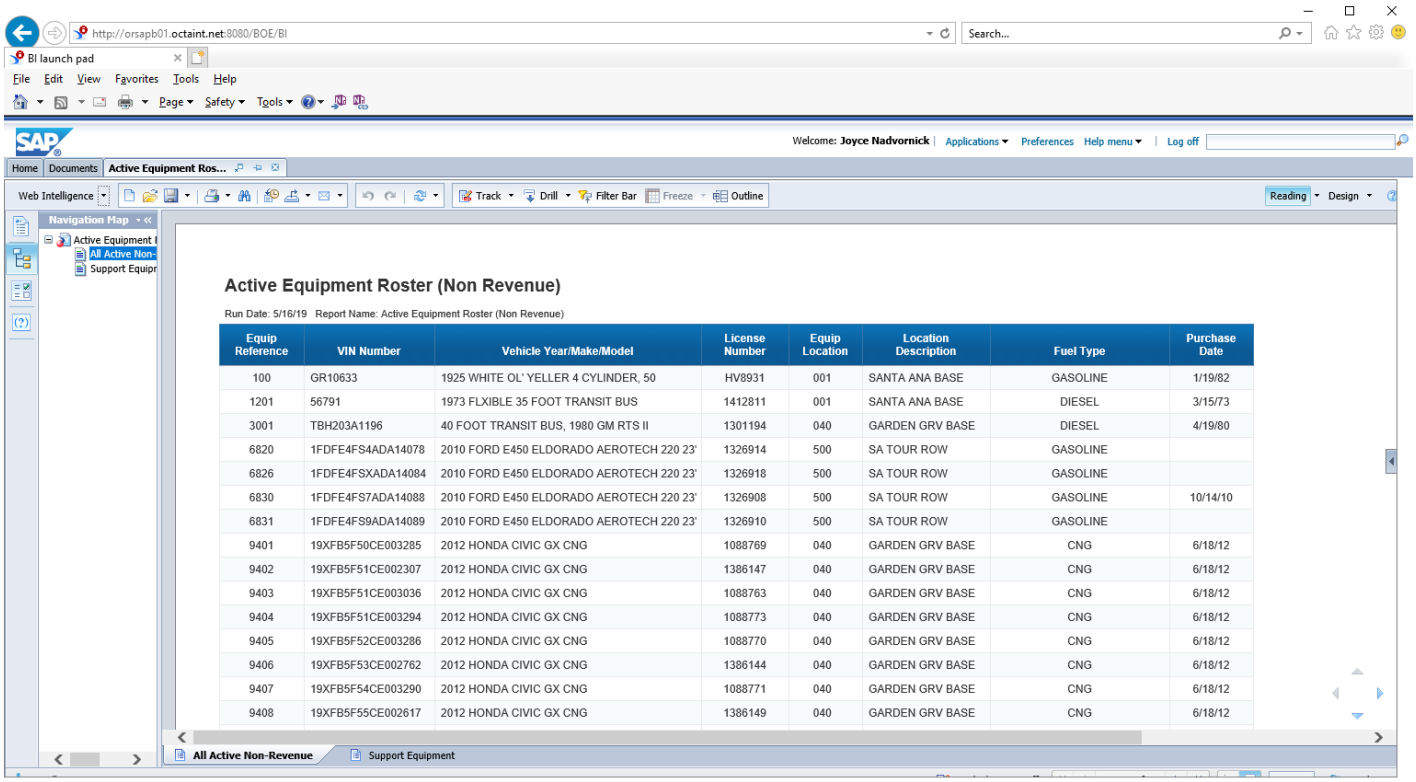
ORANGE COUNTY TRANSAPORTATION AUTHORITY

Warranty Open Discrepancy Report

Run Date: 6/15/17

Raised By	Raised Date	DR Number	DR Description	Stock Code	Item Name	Vendor Name	Po No	Po Item No	Discrepency Qty
0000004229	3/28/2017	D03540	INCORRECT INSERTS	000006312	INSERT, CUSHION	4ONE L.L.C.	A37039	001	40
0000004229	3/30/2017	D03543	TUBE WERE NOT IN BOX, SHORT 3 PI	000065292	TUBE, FUEL	THE AFTERMARKET PARTS C	A36913	012	3
0000004229	4/7/2017	D03545	INCORRECT RADIATOR SENT	000055814	ASSEMBLY, RADIATOR	GRAYSON THERMAL SYSTEM	A32463	003	2
0000004501	10/2/2015	D03144	NOT APPROVED EQUAL, PER TTS	000014668	SOLENOID, VALVE	MOHAWK MANUFACTURING &	A32687	001	30
0000004501	12/14/2015	D03204	DEFECTIVE- ADJUSTMENT SCREW BE	000011361	REGULATOR, VOLTAGE	H&H AUTO PARTS WHOLESAI	A32892	001	1
0000004501	12/21/2015	D03210	WILL NOT EQUALIZE BATTERIES	000011627	EQUALIZER, BATTERY	THE AFTERMARKET PARTS C	B32166	001	1
0000004501	1/5/2016	D03223	WRONG PARTS- ALLISON SPECIFIC	000014643	PLATE, TRANSMISSION	NEOPART TRANSIT , LLC	A33481	002	130
0000004501	1/6/2016	D03224	NO POWER ON PIN# 2	000008540	SUPPLY, POWER	GILLIG LLC	A33578	002	1
0000004501	2/16/2016	D03244	INCORRECT AMPERAGE READINGS	000011627	EQUALIZER, BATTERY	THE AFTERMARKET PARTS C	A32537	003	1
0000004501	3/17/2016	D03260	INCORRECT PART NUMBER	000010872	GAUGE, OIL	NEOPART TRANSIT , LLC	A33054	002	1
0000004501	3/17/2016	D03261	INCORRECT PART NUMBERS	000010872	GAUGE, OIL	NEOPART TRANSIT , LLC	A34283	001	6
0000004501	3/18/2016	D03262	NO AMP READINGS, POSSIBLE SOFTV	000011627	EQUALIZER, BATTERY	GILLIG LLC	A32574	001	1
0000004501	3/18/2016	D03263	INCORRECT NUMBER- 6207-RSJ	000058909	BEARING, SUPPORT	NEOPART TRANSIT , LLC	A34248	001	2
0000004501	3/30/2016	D03267	THREADS ARE DAMAGED ON SOLENC	000005223	VALVE, SOLENOID	THE AFTERMARKET PARTS C	A34352	002	2
0000004501	4/5/2016	D03272	INCORRECT GAUGES	000010872	GAUGE, OIL	NEOPART TRANSIT , LLC	A34449	001	8
0000004501	4/22/2016	D03286	DEFECTIVE CONTROL, SETS CODES	000019687	THROTTLE, HAND	NABI PARTS, LLC	A32034	001	1
0000004501	4/27/2016	D03290	DEFECTIVE- NO 12V OUTPUT ON EQ.	000011627	EQUALIZER, BATTERY	THE AFTERMARKET PARTS C	A34184	002	1
0000004501	4/27/2016	D03291	INTERNAL TEMP EXCEEDS 100 DEGR	000040105	CONVERTER, BATTERY	THE AFTERMARKET PARTS C	A34184	006	1

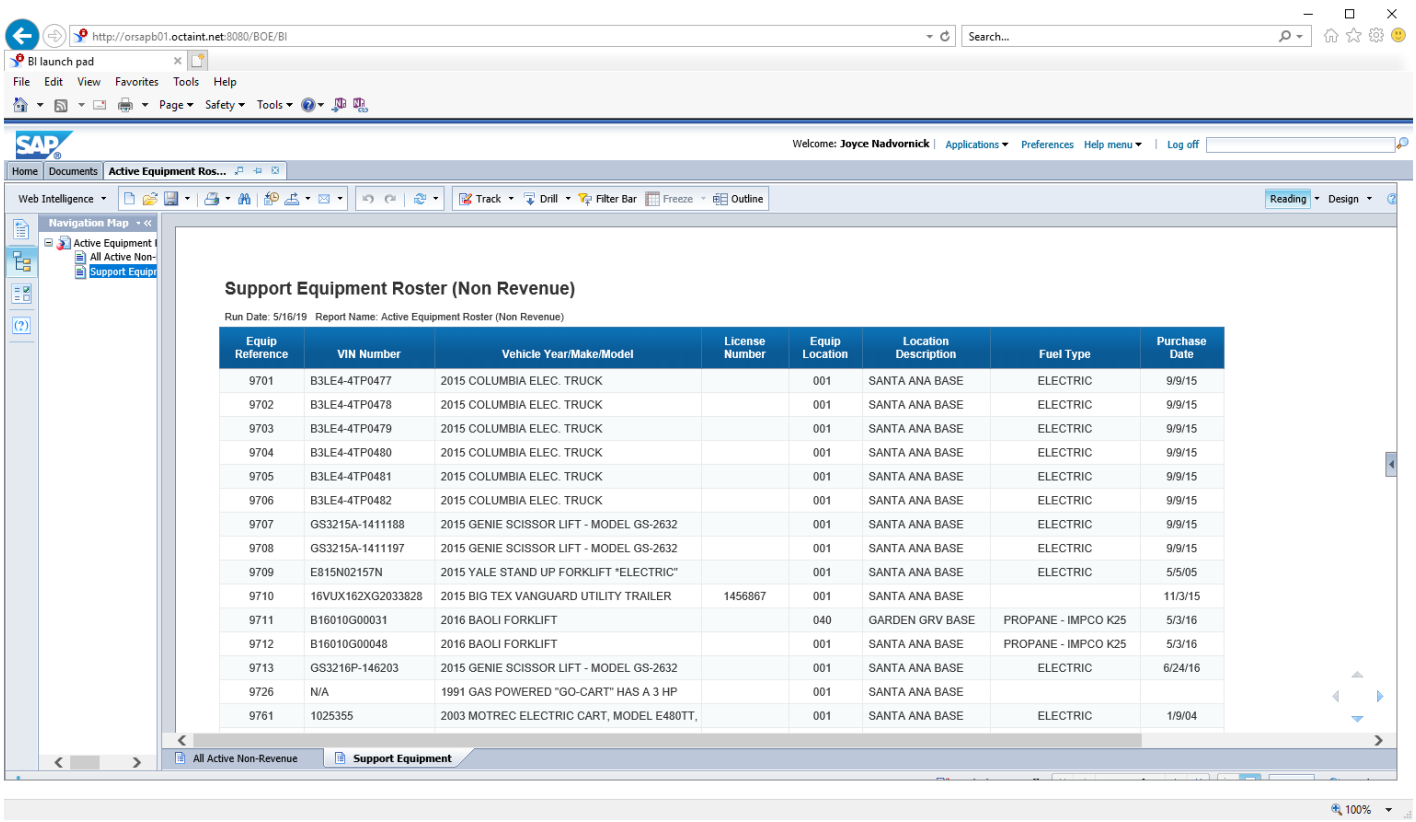
29. Active Equipment Roster (Non-Revenue)



Active Equipment Roster (Non Revenue)

Run Date: 5/16/19 Report Name: Active Equipment Roster (Non Revenue)

Equip Reference	VIN Number	Vehicle Year/Make/Model	License Number	Equip Location	Location Description	Fuel Type	Purchase Date
100	GR10633	1925 WHITE OL' YELLER 4 CYLINDER, 50	HV8931	001	SANTA ANA BASE	GASOLINE	1/19/82
1201	56791	1973 FLXIBLE 35 FOOT TRANSIT BUS	1412811	001	SANTA ANA BASE	DIESEL	3/15/73
3001	TBH203A1196	40 FOOT TRANSIT BUS, 1980 GM RTS II	1301194	040	GARDEN GRV BASE	DIESEL	4/19/80
6820	1FDFE4FS4ADA14078	2010 FORD E450 ELDORADO AEROTECH 220 23'	1326914	500	SA TOUR ROW	GASOLINE	
6826	1FDFE4FSXADA14084	2010 FORD E450 ELDORADO AEROTECH 220 23'	1326918	500	SA TOUR ROW	GASOLINE	
6830	1FDFE4FS7ADA14088	2010 FORD E450 ELDORADO AEROTECH 220 23'	1326908	500	SA TOUR ROW	GASOLINE	10/14/10
6831	1FDFE4FS9ADA14089	2010 FORD E450 ELDORADO AEROTECH 220 23'	1326910	500	SA TOUR ROW	GASOLINE	
9401	19XFB5F50CE003285	2012 HONDA CIVIC GX CNG	1088769	040	GARDEN GRV BASE	CNG	6/18/12
9402	19XFB5F51CE002307	2012 HONDA CIVIC GX CNG	1386147	040	GARDEN GRV BASE	CNG	6/18/12
9403	19XFB5F51CE003036	2012 HONDA CIVIC GX CNG	1088763	040	GARDEN GRV BASE	CNG	6/18/12
9404	19XFB5F51CE003294	2012 HONDA CIVIC GX CNG	1088773	040	GARDEN GRV BASE	CNG	6/18/12
9405	19XFB5F52CE003286	2012 HONDA CIVIC GX CNG	1088770	040	GARDEN GRV BASE	CNG	6/18/12
9406	19XFB5F53CE002762	2012 HONDA CIVIC GX CNG	1386144	040	GARDEN GRV BASE	CNG	6/18/12
9407	19XFB5F54CE003290	2012 HONDA CIVIC GX CNG	1088771	040	GARDEN GRV BASE	CNG	6/18/12
9408	19XFB5F55CE002617	2012 HONDA CIVIC GX CNG	1386149	040	GARDEN GRV BASE	CNG	6/18/12

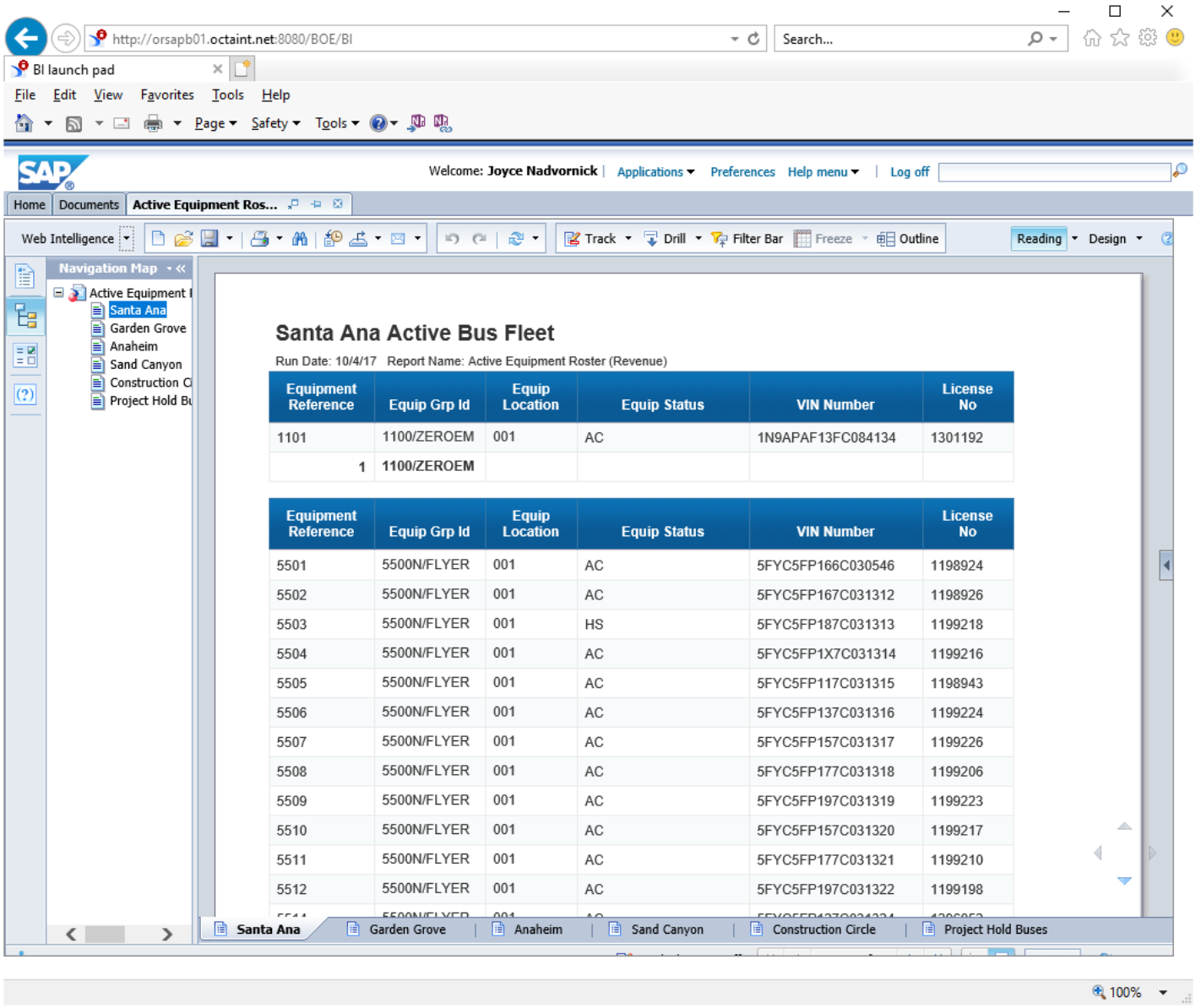


Support Equipment Roster (Non Revenue)

Run Date: 5/16/19 Report Name: Active Equipment Roster (Non Revenue)

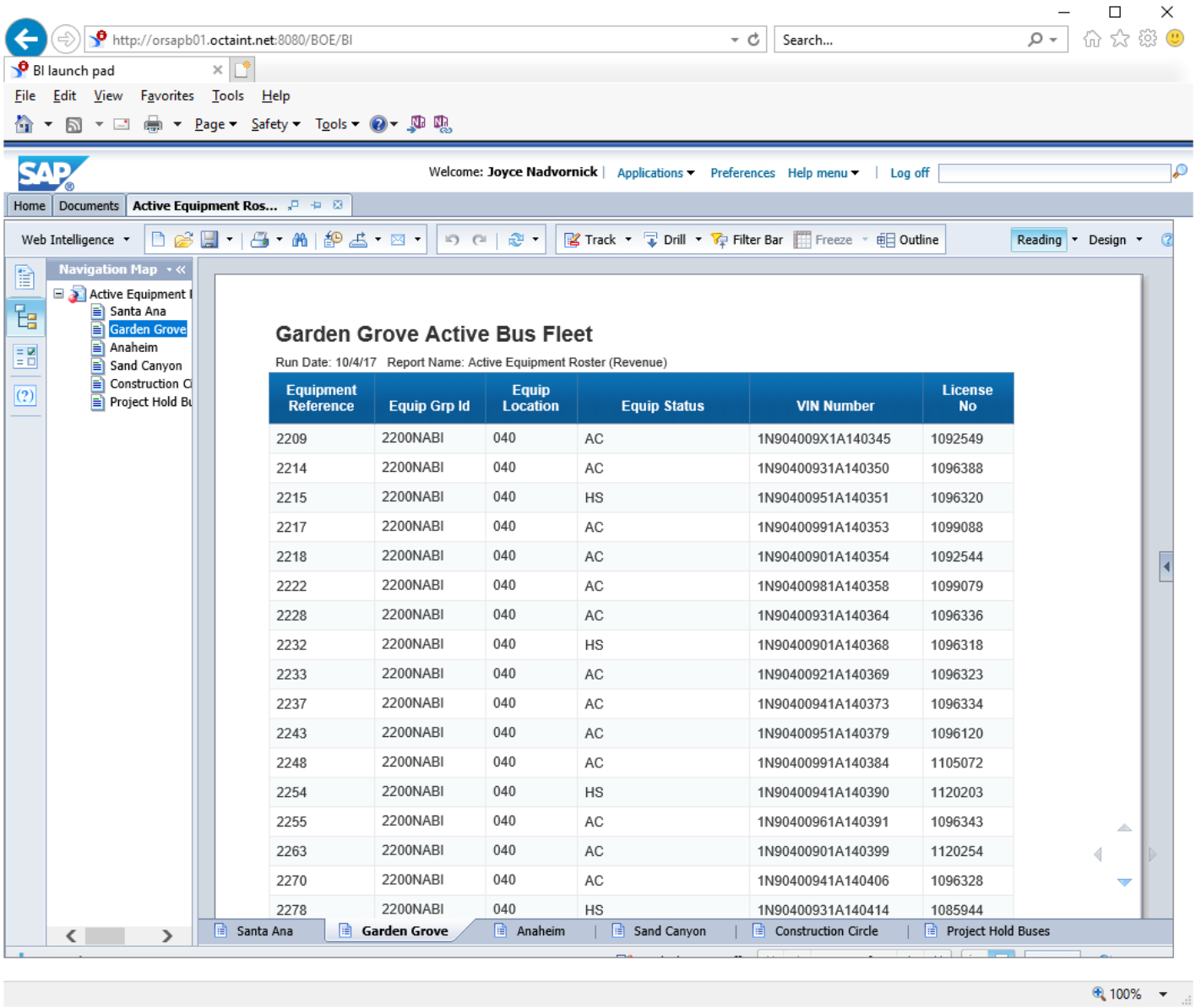
Equip Reference	VIN Number	Vehicle Year/Make/Model	License Number	Equip Location	Location Description	Fuel Type	Purchase Date
9701	B3LE4-4TP0477	2015 COLUMBIA ELEC. TRUCK		001	SANTA ANA BASE	ELECTRIC	9/9/15
9702	B3LE4-4TP0478	2015 COLUMBIA ELEC. TRUCK		001	SANTA ANA BASE	ELECTRIC	9/9/15
9703	B3LE4-4TP0479	2015 COLUMBIA ELEC. TRUCK		001	SANTA ANA BASE	ELECTRIC	9/9/15
9704	B3LE4-4TP0480	2015 COLUMBIA ELEC. TRUCK		001	SANTA ANA BASE	ELECTRIC	9/9/15
9705	B3LE4-4TP0481	2015 COLUMBIA ELEC. TRUCK		001	SANTA ANA BASE	ELECTRIC	9/9/15
9706	B3LE4-4TP0482	2015 COLUMBIA ELEC. TRUCK		001	SANTA ANA BASE	ELECTRIC	9/9/15
9707	GS3215A-1411188	2015 GENIE SCISSOR LIFT - MODEL GS-2632		001	SANTA ANA BASE	ELECTRIC	9/9/15
9708	GS3215A-1411197	2015 GENIE SCISSOR LIFT - MODEL GS-2632		001	SANTA ANA BASE	ELECTRIC	9/9/15
9709	E815N02157N	2015 YALE STAND UP FORKLIFT "ELECTRIC"		001	SANTA ANA BASE	ELECTRIC	5/5/05
9710	16VUX162XG2033828	2015 BIG TEX VANGUARD UTILITY TRAILER	1456867	001	SANTA ANA BASE		11/3/15
9711	B16010G00031	2016 BAOLI FORKLIFT		040	GARDEN GRV BASE	PROPANE - IMPCO K25	5/3/16
9712	B16010G00048	2016 BAOLI FORKLIFT		001	SANTA ANA BASE	PROPANE - IMPCO K25	5/3/16
9713	GS3216P-146203	2015 GENIE SCISSOR LIFT - MODEL GS-2632		001	SANTA ANA BASE	ELECTRIC	6/24/16
9726	N/A	1991 GAS POWERED "GO-CART" HAS A 3 HP		001	SANTA ANA BASE		
9761	1025355	2003 MOTREC ELECTRIC CART, MODEL E480TT,		001	SANTA ANA BASE	ELECTRIC	1/9/04

30. Active Equipment Roster (Revenue)



Equipment Reference	Equip Grp Id	Equip Location	Equip Status	VIN Number	License No
1101	1100/ZEROEM	001	AC	1N9APAF13FC084134	1301192
1	1100/ZEROEM				

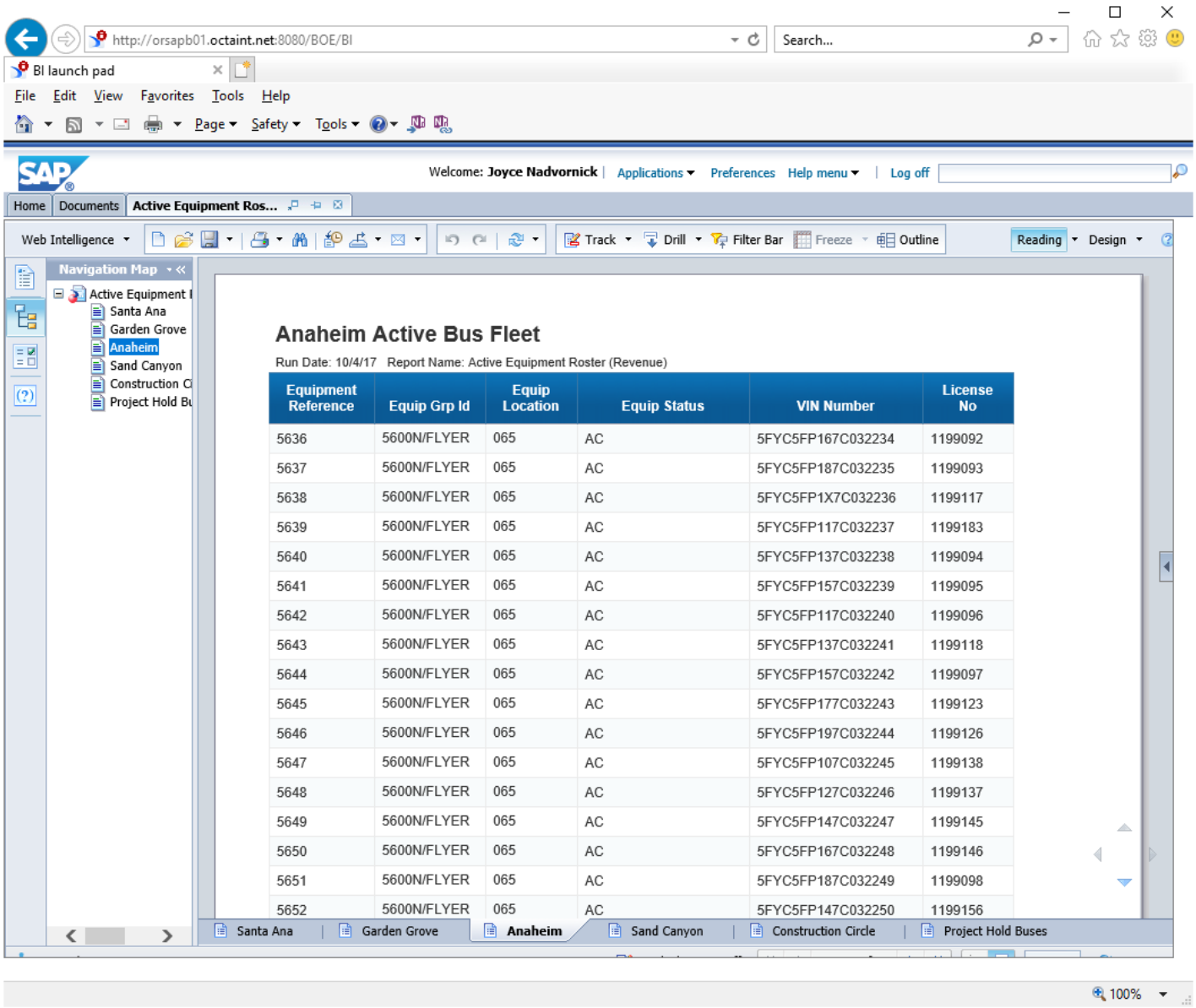
Equipment Reference	Equip Grp Id	Equip Location	Equip Status	VIN Number	License No
5501	5500N/FLYER	001	AC	5FYC5FP166C030546	1198924
5502	5500N/FLYER	001	AC	5FYC5FP167C031312	1198926
5503	5500N/FLYER	001	HS	5FYC5FP187C031313	1199218
5504	5500N/FLYER	001	AC	5FYC5FP1X7C031314	1199216
5505	5500N/FLYER	001	AC	5FYC5FP117C031315	1198943
5506	5500N/FLYER	001	AC	5FYC5FP137C031316	1199224
5507	5500N/FLYER	001	AC	5FYC5FP157C031317	1199226
5508	5500N/FLYER	001	AC	5FYC5FP177C031318	1199206
5509	5500N/FLYER	001	AC	5FYC5FP197C031319	1199223
5510	5500N/FLYER	001	AC	5FYC5FP157C031320	1199217
5511	5500N/FLYER	001	AC	5FYC5FP177C031321	1199210
5512	5500N/FLYER	001	AC	5FYC5FP197C031322	1199198



Garden Grove Active Bus Fleet

Run Date: 10/4/17 Report Name: Active Equipment Roster (Revenue)

Equipment Reference	Equip Grp Id	Equip Location	Equip Status	VIN Number	License No
2209	2200NABI	040	AC	1N904009X1A140345	1092549
2214	2200NABI	040	AC	1N90400931A140350	1096388
2215	2200NABI	040	HS	1N90400951A140351	1096320
2217	2200NABI	040	AC	1N90400991A140353	1099088
2218	2200NABI	040	AC	1N90400901A140354	1092544
2222	2200NABI	040	AC	1N90400981A140358	1099079
2228	2200NABI	040	AC	1N90400931A140364	1096336
2232	2200NABI	040	HS	1N90400901A140368	1096318
2233	2200NABI	040	AC	1N90400921A140369	1096323
2237	2200NABI	040	AC	1N90400941A140373	1096334
2243	2200NABI	040	AC	1N90400951A140379	1096120
2248	2200NABI	040	AC	1N90400991A140384	1105072
2254	2200NABI	040	HS	1N90400941A140390	1120203
2255	2200NABI	040	AC	1N90400961A140391	1096343
2263	2200NABI	040	AC	1N90400901A140399	1120254
2270	2200NABI	040	AC	1N90400941A140406	1096328
2278	2200NABI	040	HS	1N90400931A140414	1085944



Anaheim Active Bus Fleet

Run Date: 10/4/17 Report Name: Active Equipment Roster (Revenue)

Equipment Reference	Equip Grp Id	Equip Location	Equip Status	VIN Number	License No
5636	5600N/FLYER	065	AC	5FYC5FP167C032234	1199092
5637	5600N/FLYER	065	AC	5FYC5FP187C032235	1199093
5638	5600N/FLYER	065	AC	5FYC5FP1X7C032236	1199117
5639	5600N/FLYER	065	AC	5FYC5FP117C032237	1199183
5640	5600N/FLYER	065	AC	5FYC5FP137C032238	1199094
5641	5600N/FLYER	065	AC	5FYC5FP157C032239	1199095
5642	5600N/FLYER	065	AC	5FYC5FP117C032240	1199096
5643	5600N/FLYER	065	AC	5FYC5FP137C032241	1199118
5644	5600N/FLYER	065	AC	5FYC5FP157C032242	1199097
5645	5600N/FLYER	065	AC	5FYC5FP177C032243	1199123
5646	5600N/FLYER	065	AC	5FYC5FP197C032244	1199126
5647	5600N/FLYER	065	AC	5FYC5FP107C032245	1199138
5648	5600N/FLYER	065	AC	5FYC5FP127C032246	1199137
5649	5600N/FLYER	065	AC	5FYC5FP147C032247	1199145
5650	5600N/FLYER	065	AC	5FYC5FP167C032248	1199146
5651	5600N/FLYER	065	AC	5FYC5FP187C032249	1199098
5652	5600N/FLYER	065	AC	5FYC5FP147C032250	1199156

http://orsapb01.octaint.net:8080/BOE/BI

BI launch pad

File Edit View Favorites Tools Help

Page Safety Tools

Welcome: Joyce Nadvornick | Applications Preferences Help menu | Log off

Home Documents Active Equipment Ros...

Web Intelligence Track Drill Filter Bar Freeze Outline Reading Design

Navigation Map

- Active Equipment I
  - Santa Ana
  - Garden Grove
  - Anaheim
  - Sand Canyon
  - Construction C
  - Project Hold Bu

Sand Canyon Active Bus Fleet

Run Date: 10/4/17 Report Name: Active Equipment Roster (Revenue)

Equipment Reference	Equip Grp Id	Equip Location	Equip Status	VIN Number	License No
6341		072	AC	1FDAF5GY3BEC71969	1481666
6342		072	AC	1FDAF5GYXBEC71970	1481664
6343		072	AC	1FDAF5GY1BEC71971	1481680
6344		072	AC	1FDAF5GY3BEC71972	1481668
6345		072	AC	1FDAF5GY5BEC71973	1481669
5					

Equipment Reference	Equip Grp Id	Equip Location	Equip Status	VIN Number	License No
5129	5121/FLYER	070	AC	5FYC5FB178C033787	1296107
5130	5121/FLYER	070	AC	5FYC5FB198C033788	1296104
5131	5121/FLYER	070	AC	5FYC5FB108C033789	1296106
5132	5121/FLYER	070	AC	5FYC5FB178C033790	1296110
5133	5121/FLYER	070	AC	5FYC5FB198C033791	1296108
5134	5121/FLYER	070	AC	5FYC5FB108C033792	1296119
5135	5121/FLYER	070	AC	5FYC5FB128C033793	1296124
5136	5121/FLYER	070	AC	5FYC5FB148C033794	1296113

Santa Ana | Garden Grove | Anaheim | Sand Canyon | Construction Circle | Project Hold Buses

100%

http://orsapb01.octaint.net:8080/BOE/BI

BI launch pad

File Edit View Favorites Tools Help

Page Safety Tools

Welcome: Joyce Nadvornick | Applications Preferences Help menu | Log off

Home Documents Active Equipment Ros...

Web Intelligence Track Drill Filter Bar Freeze Outline Reading Design

Navigation Map

- Active Equipment
  - Santa Ana
  - Garden Grove
  - Anaheim
  - Sand Canyon
  - Construction C
  - Project Hold Bu

Construction Circle Active Bus Fleet

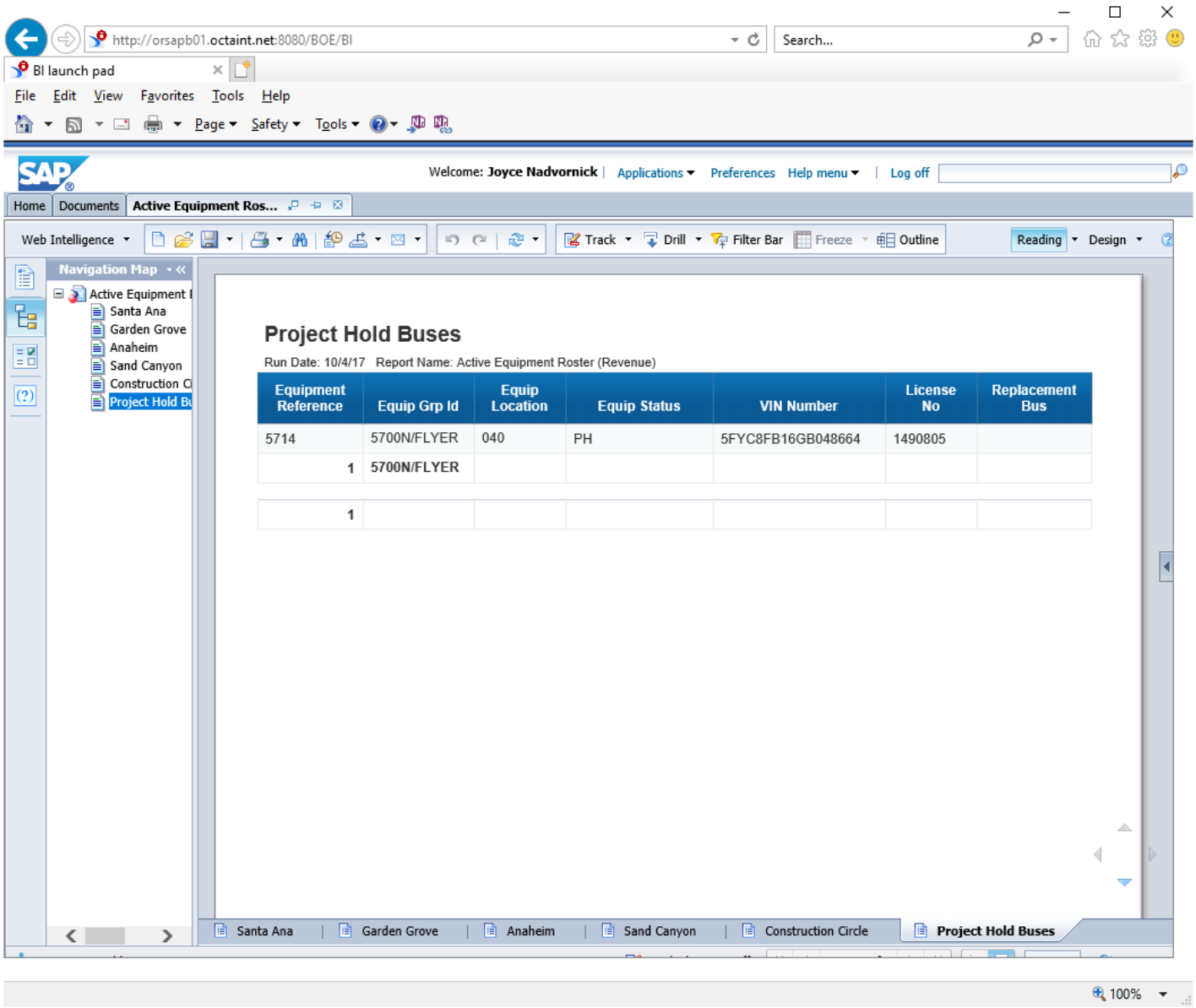
Run Date: 10/4/17 Report Name: Active Equipment Roster (Revenue)

Equipment Reference	Equip Grp Id	Equip Location	Equip Status	VIN Number	License No
6805	6800EL	071	AC	1FDFE4FS2ADA14063	1304753
1	6800EL				

Equipment Reference	Equip Grp Id	Equip Location	Equip Status	VIN Number	License No
6911	6900EL	071	AC	1FDFE4FSXDDA20567	1397110
6912	6900EL	071	AC	1FDFE4FS7DDA72836	1397457
6913	6900EL	071	AC	1FDFE4FS9DDA72837	1397491
6914	6900EL	071	AC	1FDFE4FS0DDA72838	1397458
6915	6900EL	071	AC	1FDFE4FS2DDA72839	1397459
6916	6900EL	071	AC	1FDFE4FS9DDA72840	1433430
6917	6900EL	071	AC	1FDFE4FS0DDA72841	1397469
6918	6900EL	071	AC	1FDFE4FS2DDA72842	1397490
6919	6900EL	071	AC	1FDFE4FS4DDA72843	1433423
6920	6900EL	071	AC	1FDFE4FS6DDA72844	1433429
6921	6900EL	071	AC	1FDFE4FS8DDA72845	1433421
6922	6900EL	071	AC	1FDFE4FSXDDA72846	1397467

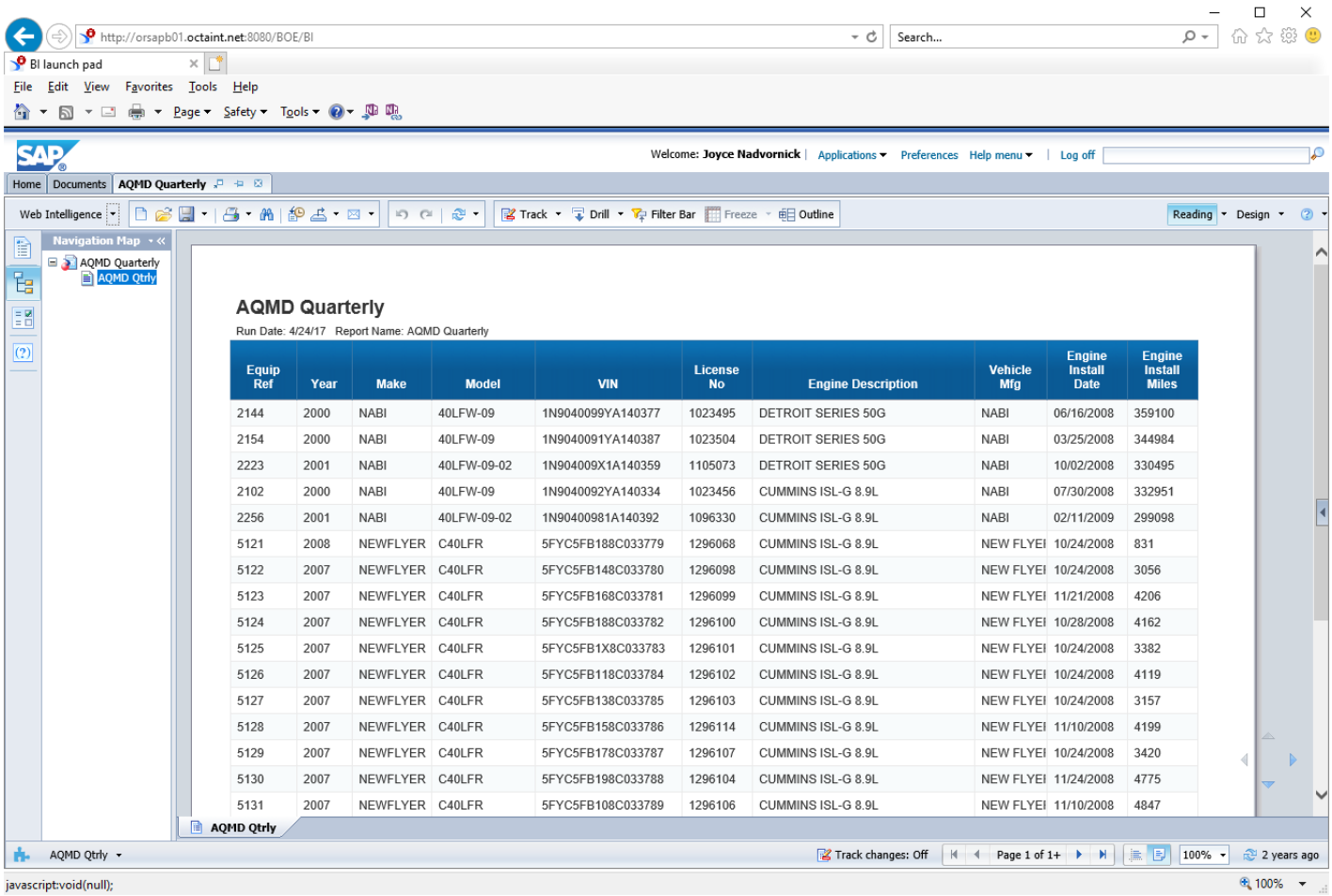
Santa Ana | Garden Grove | Anaheim | Sand Canyon | Construction Circle | Project Hold Buses

100%



Equipment Reference	Equip Grp Id	Equip Location	Equip Status	VIN Number	License No	Replacement Bus
5714	5700N/FLYER	040	PH	5FYC8FB16GB048664	1490805	
1	5700N/FLYER					
1						

31. AQMD Quarterly

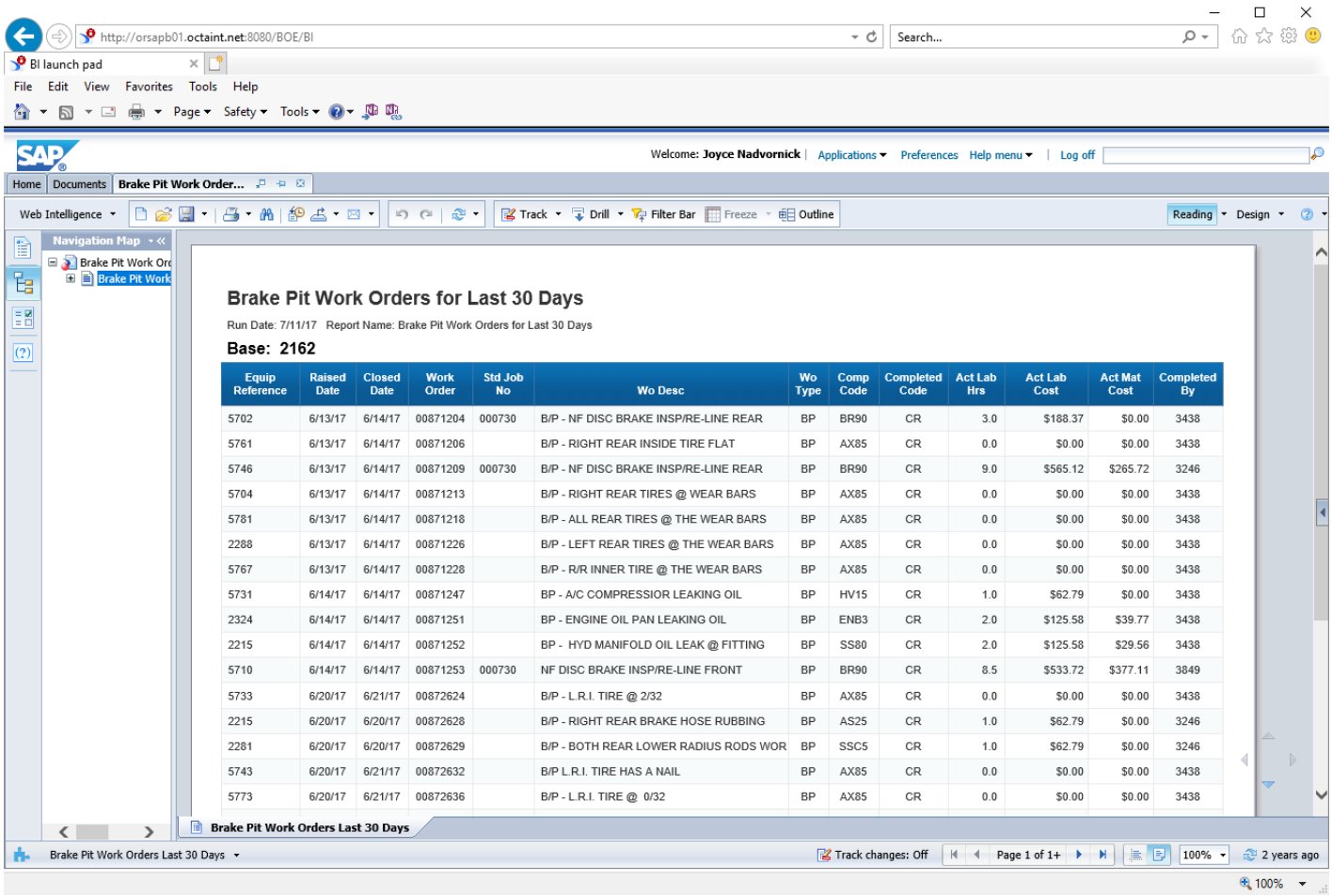


AQMD Quarterly

Run Date: 4/24/17 Report Name: AQMD Quarterly

Equip Ref	Year	Make	Model	VIN	License No	Engine Description	Vehicle Mfg	Engine Install Date	Engine Install Miles
2144	2000	NABI	40LFW-09	1N9040099YA140377	1023495	DETROIT SERIES 50G	NABI	06/16/2008	359100
2154	2000	NABI	40LFW-09	1N9040091YA140387	1023504	DETROIT SERIES 50G	NABI	03/25/2008	344984
2223	2001	NABI	40LFW-09-02	1N904009X1A140359	1105073	DETROIT SERIES 50G	NABI	10/02/2008	330495
2102	2000	NABI	40LFW-09	1N9040092YA140334	1023456	CUMMINS ISL-G 8.9L	NABI	07/30/2008	332951
2256	2001	NABI	40LFW-09-02	1N90400981A140392	1096330	CUMMINS ISL-G 8.9L	NABI	02/11/2009	299098
5121	2008	NEWFLYER	C40LFR	5FYC5FB188C033779	1296068	CUMMINS ISL-G 8.9L	NEW FLYEI	10/24/2008	831
5122	2007	NEWFLYER	C40LFR	5FYC5FB148C033780	1296098	CUMMINS ISL-G 8.9L	NEW FLYEI	10/24/2008	3056
5123	2007	NEWFLYER	C40LFR	5FYC5FB168C033781	1296099	CUMMINS ISL-G 8.9L	NEW FLYEI	11/21/2008	4206
5124	2007	NEWFLYER	C40LFR	5FYC5FB188C033782	1296100	CUMMINS ISL-G 8.9L	NEW FLYEI	10/28/2008	4162
5125	2007	NEWFLYER	C40LFR	5FYC5FB1X8C033783	1296101	CUMMINS ISL-G 8.9L	NEW FLYEI	10/24/2008	3382
5126	2007	NEWFLYER	C40LFR	5FYC5FB118C033784	1296102	CUMMINS ISL-G 8.9L	NEW FLYEI	10/24/2008	4119
5127	2007	NEWFLYER	C40LFR	5FYC5FB138C033785	1296103	CUMMINS ISL-G 8.9L	NEW FLYEI	10/24/2008	3157
5128	2007	NEWFLYER	C40LFR	5FYC5FB158C033786	1296114	CUMMINS ISL-G 8.9L	NEW FLYEI	11/10/2008	4199
5129	2007	NEWFLYER	C40LFR	5FYC5FB178C033787	1296107	CUMMINS ISL-G 8.9L	NEW FLYEI	10/24/2008	3420
5130	2007	NEWFLYER	C40LFR	5FYC5FB198C033788	1296104	CUMMINS ISL-G 8.9L	NEW FLYEI	11/24/2008	4775
5131	2007	NEWFLYER	C40LFR	5FYC5FB108C033789	1296106	CUMMINS ISL-G 8.9L	NEW FLYEI	11/10/2008	4847

32. Brake Pit Work Orders for Last 30 Days



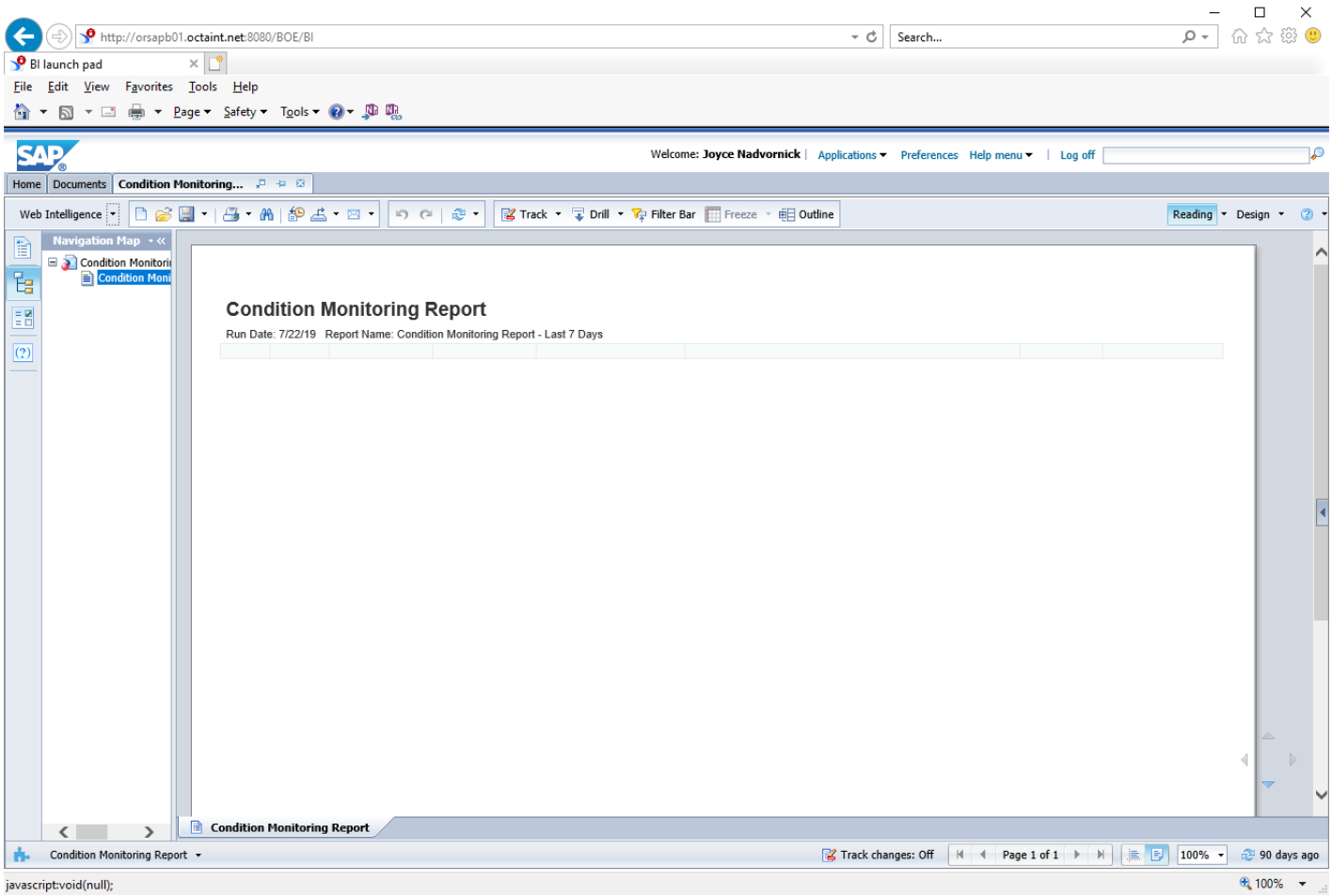
Brake Pit Work Orders for Last 30 Days

Run Date: 7/11/17 Report Name: Brake Pit Work Orders for Last 30 Days

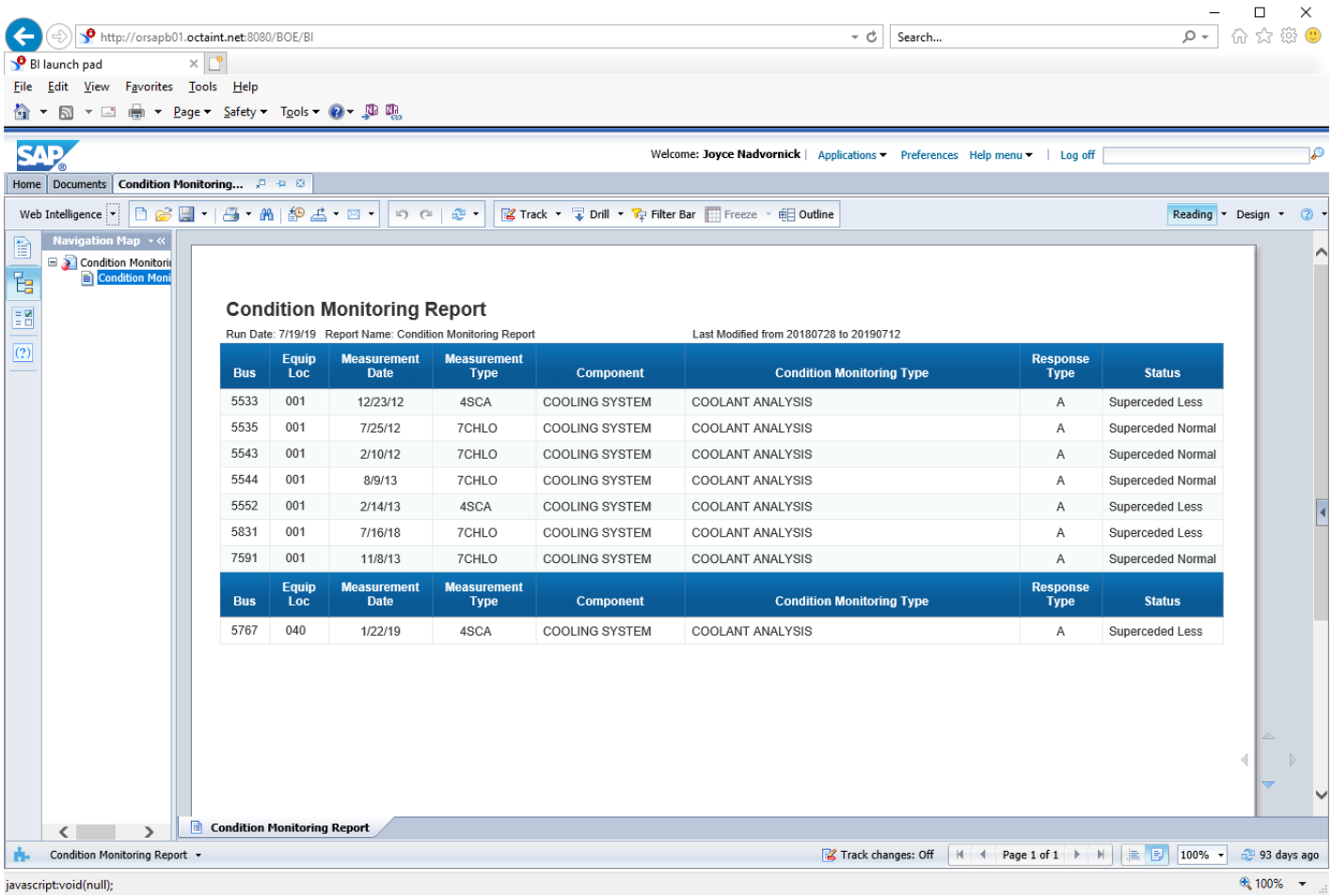
Base: 2162

Equip Reference	Raised Date	Closed Date	Work Order	Std Job No	Wo Desc	Wo Type	Comp Code	Completed Code	Act Lab Hrs	Act Lab Cost	Act Mat Cost	Completed By
5702	6/13/17	6/14/17	00871204	000730	B/P - NF DISC BRAKE INSP/RE-LINE REAR	BP	BR90	CR	3.0	$188.37	$0.00	3438
5761	6/13/17	6/14/17	00871206		B/P - RIGHT REAR INSIDE TIRE FLAT	BP	AX85	CR	0.0	$0.00	$0.00	3438
5746	6/13/17	6/14/17	00871209	000730	B/P - NF DISC BRAKE INSP/RE-LINE REAR	BP	BR90	CR	9.0	$565.12	$265.72	3246
5704	6/13/17	6/14/17	00871213		B/P - RIGHT REAR TIRES @ WEAR BARS	BP	AX85	CR	0.0	$0.00	$0.00	3438
5781	6/13/17	6/14/17	00871218		B/P - ALL REAR TIRES @ THE WEAR BARS	BP	AX85	CR	0.0	$0.00	$0.00	3438
2288	6/13/17	6/14/17	00871226		B/P - LEFT REAR TIRES @ THE WEAR BARS	BP	AX85	CR	0.0	$0.00	$0.00	3438
5767	6/13/17	6/14/17	00871228		B/P - R/R INNER TIRE @ THE WEAR BARS	BP	AX85	CR	0.0	$0.00	$0.00	3438
5731	6/14/17	6/14/17	00871247		BP - A/C COMPRESSIOR LEAKING OIL	BP	HV15	CR	1.0	$62.79	$0.00	3438
2324	6/14/17	6/14/17	00871251		BP - ENGINE OIL PAN LEAKING OIL	BP	ENB3	CR	2.0	$125.58	$39.77	3438
2215	6/14/17	6/14/17	00871252		BP - HYD MANIFOLD OIL LEAK @ FITTING	BP	SS80	CR	2.0	$125.58	$29.56	3438
5710	6/14/17	6/14/17	00871253	000730	NF DISC BRAKE INSP/RE-LINE FRONT	BP	BR90	CR	8.5	$533.72	$377.11	3849
5733	6/20/17	6/21/17	00872624		B/P - L.R.I. TIRE @ 2/32	BP	AX85	CR	0.0	$0.00	$0.00	3438
2215	6/20/17	6/20/17	00872628		B/P - RIGHT REAR BRAKE HOSE RUBBING	BP	AS25	CR	1.0	$62.79	$0.00	3246
2281	6/20/17	6/20/17	00872629		B/P - BOTH REAR LOWER RADIUS RODS WOR	BP	SSC5	CR	1.0	$62.79	$0.00	3246
5743	6/20/17	6/21/17	00872632		B/P L.R.I. TIRE HAS A NAIL	BP	AX85	CR	0.0	$0.00	$0.00	3438
5773	6/20/17	6/21/17	00872636		B/P - L.R.I. TIRE @ 0/32	BP	AX85	CR	0.0	$0.00	$0.00	3438

33. Condition Monitoring Report - Last 7 Days*



34. Condition Monitoring Report*

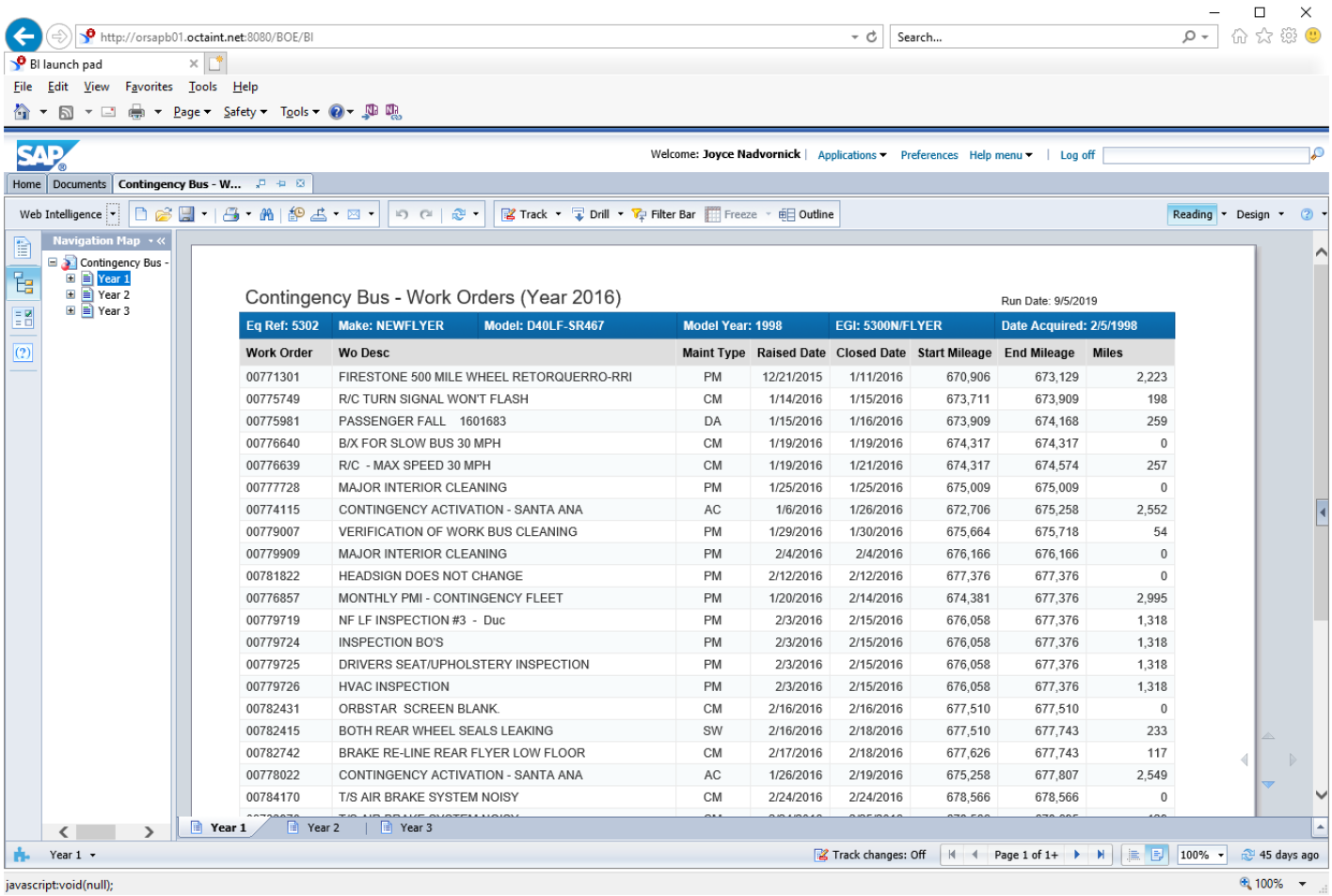


Condition Monitoring Report

Run Date: 7/19/19 Report Name: Condition Monitoring Report Last Modified from 20180728 to 20190712

Bus	Equip Loc	Measurement Date	Measurement Type	Component	Condition Monitoring Type	Response Type	Status
5533	001	12/23/12	4SCA	COOLING SYSTEM	COOLANT ANALYSIS	A	Superceded Less
5535	001	7/25/12	7CHLO	COOLING SYSTEM	COOLANT ANALYSIS	A	Superceded Normal
5543	001	2/10/12	7CHLO	COOLING SYSTEM	COOLANT ANALYSIS	A	Superceded Normal
5544	001	8/9/13	7CHLO	COOLING SYSTEM	COOLANT ANALYSIS	A	Superceded Normal
5552	001	2/14/13	4SCA	COOLING SYSTEM	COOLANT ANALYSIS	A	Superceded Less
5831	001	7/16/18	7CHLO	COOLING SYSTEM	COOLANT ANALYSIS	A	Superceded Less
7591	001	11/8/13	7CHLO	COOLING SYSTEM	COOLANT ANALYSIS	A	Superceded Normal
Bus	Equip Loc	Measurement Date	Measurement Type	Component	Condition Monitoring Type	Response Type	Status
5767	040	1/22/19	4SCA	COOLING SYSTEM	COOLANT ANALYSIS	A	Superceded Less

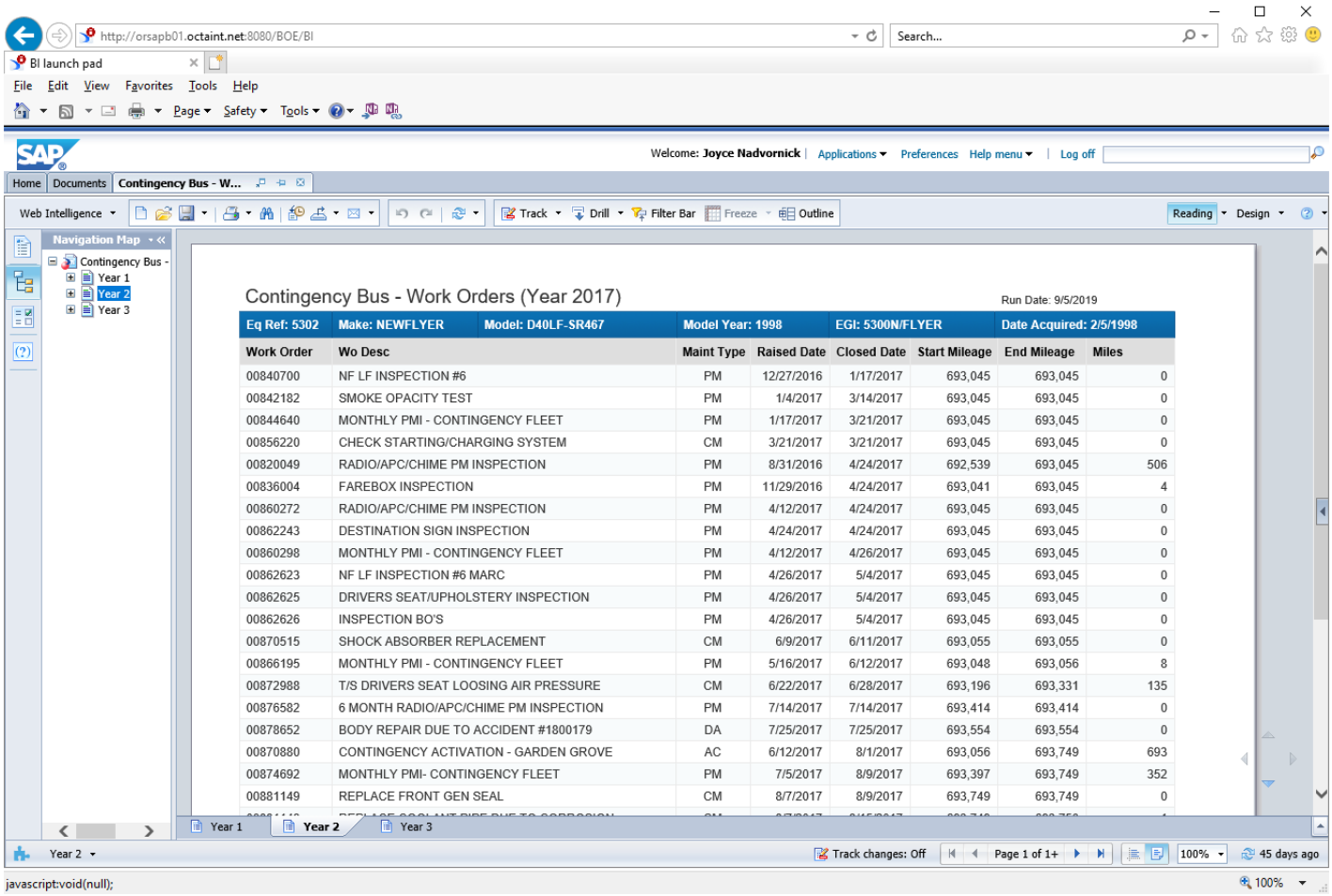
35. Contingency Bus - Work Orders*



Contingency Bus - Work Orders (Year 2016)

Run Date: 9/5/2019

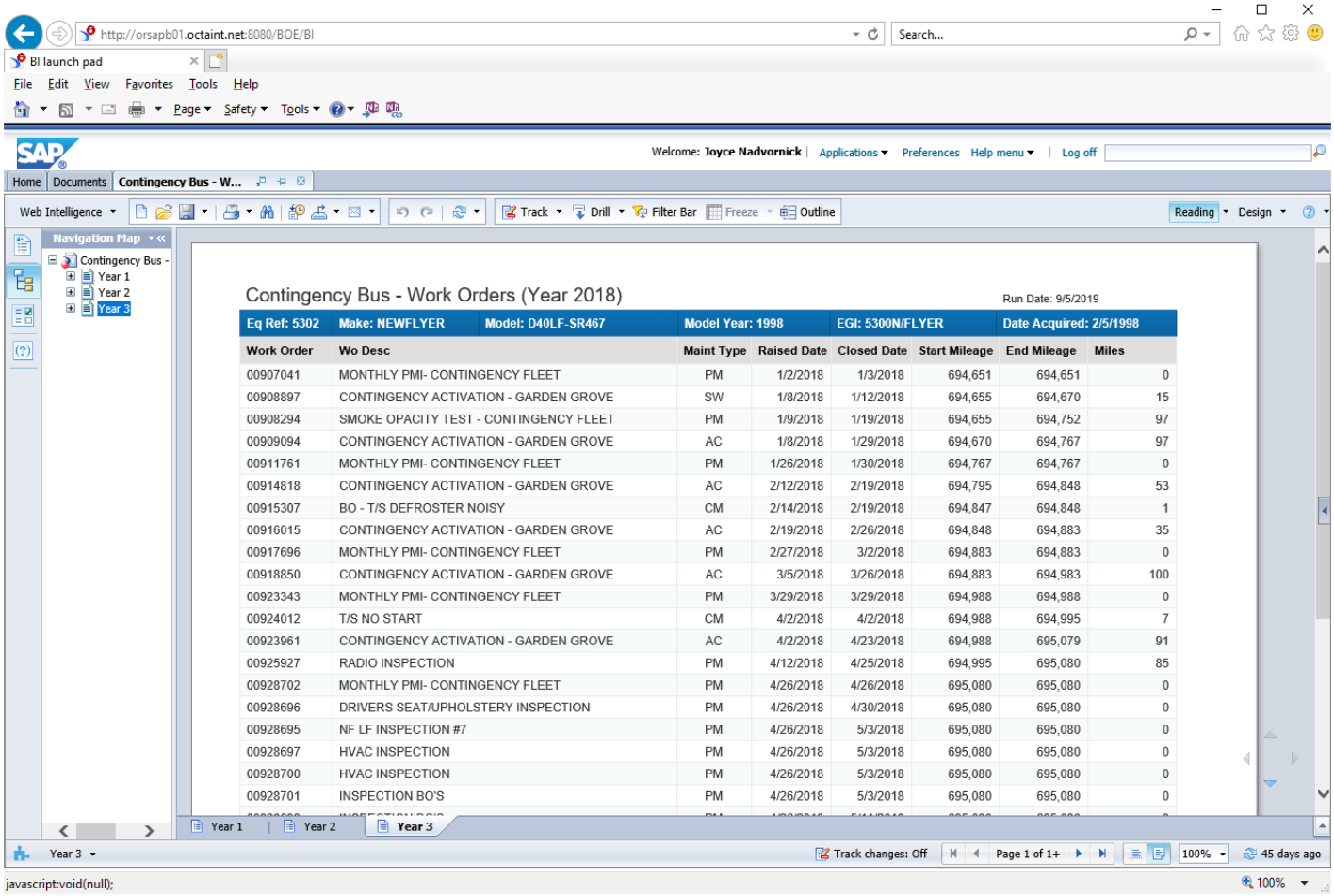
Eq Ref: 5302	Make: NEWFLYER	Model: D40LF-SR467	Model Year: 1998	EGI: 5300N/FLYER	Date Acquired: 2/5/1998		
Work Order	**Wo Desc**	**Maint Type**	**Raised Date**	**Closed Date**	**Start Mileage**	**End Mileage**	**Miles**
00771301	FIRESTONE 500 MILE WHEEL RETORQUERRO-RRI	PM	12/21/2015	1/11/2016	670,906	673,129	2,223
00775749	R/C TURN SIGNAL WON'T FLASH	CM	1/14/2016	1/15/2016	673,711	673,909	198
00775981	PASSENGER FALL 1601683	DA	1/15/2016	1/16/2016	673,909	674,168	259
00776640	B/X FOR SLOW BUS 30 MPH	CM	1/19/2016	1/19/2016	674,317	674,317	0
00776639	R/C - MAX SPEED 30 MPH	CM	1/19/2016	1/21/2016	674,317	674,574	257
00777728	MAJOR INTERIOR CLEANING	PM	1/25/2016	1/25/2016	675,009	675,009	0
00774115	CONTINGENCY ACTIVATION - SANTA ANA	AC	1/6/2016	1/26/2016	672,706	675,258	2,552
00779007	VERIFICATION OF WORK BUS CLEANING	PM	1/29/2016	1/30/2016	675,664	675,718	54
00779909	MAJOR INTERIOR CLEANING	PM	2/4/2016	2/4/2016	676,166	676,166	0
00781822	HEADSIGN DOES NOT CHANGE	PM	2/12/2016	2/12/2016	677,376	677,376	0
00776857	MONTHLY PMI - CONTINGENCY FLEET	PM	1/20/2016	2/14/2016	674,381	677,376	2,995
00779719	NF LF INSPECTION #3 - Duc	PM	2/3/2016	2/15/2016	676,058	677,376	1,318
00779724	INSPECTION BO'S	PM	2/3/2016	2/15/2016	676,058	677,376	1,318
00779725	DRIVERS SEAT/UPHOLSTERY INSPECTION	PM	2/3/2016	2/15/2016	676,058	677,376	1,318
00779726	HVAC INSPECTION	PM	2/3/2016	2/15/2016	676,058	677,376	1,318
00782431	ORBSTAR SCREEN BLANK.	CM	2/16/2016	2/16/2016	677,510	677,510	0
00782415	BOTH REAR WHEEL SEALS LEAKING	SW	2/16/2016	2/18/2016	677,510	677,743	233
00782742	BRAKE RE-LINE REAR FLYER LOW FLOOR	CM	2/17/2016	2/18/2016	677,626	677,743	117
00778022	CONTINGENCY ACTIVATION - SANTA ANA	AC	1/26/2016	2/19/2016	675,258	677,807	2,549
00784170	T/S AIR BRAKE SYSTEM NOISY	CM	2/24/2016	2/24/2016	678,566	678,566	0



Contingency Bus - Work Orders (Year 2017)

Run Date: 9/5/2019

Eq Ref: 5302	Make: NEWFLYER	Model: D40LF-SR467	Model Year: 1998	EGI: 5300N/FLYER	Date Acquired: 2/5/1998		
Work Order	**Wo Desc**	**Maint Type**	**Raised Date**	**Closed Date**	**Start Mileage**	**End Mileage**	**Miles**
00840700	NF LF INSPECTION #6	PM	12/27/2016	1/17/2017	693,045	693,045	0
00842182	SMOKE OPACITY TEST	PM	1/4/2017	3/14/2017	693,045	693,045	0
00844640	MONTHLY PMI - CONTINGENCY FLEET	PM	1/17/2017	3/21/2017	693,045	693,045	0
00856220	CHECK STARTING/CHARGING SYSTEM	CM	3/21/2017	3/21/2017	693,045	693,045	0
00820049	RADIO/APC/CHIME PM INSPECTION	PM	8/31/2016	4/24/2017	692,539	693,045	506
00836004	FAREBOX INSPECTION	PM	11/29/2016	4/24/2017	693,041	693,045	4
00860272	RADIO/APC/CHIME PM INSPECTION	PM	4/12/2017	4/24/2017	693,045	693,045	0
00862243	DESTINATION SIGN INSPECTION	PM	4/24/2017	4/24/2017	693,045	693,045	0
00860298	MONTHLY PMI - CONTINGENCY FLEET	PM	4/12/2017	4/26/2017	693,045	693,045	0
00862623	NF LF INSPECTION #6 MARC	PM	4/26/2017	5/4/2017	693,045	693,045	0
00862625	DRIVERS SEAT/UPHOLSTERY INSPECTION	PM	4/26/2017	5/4/2017	693,045	693,045	0
00862626	INSPECTION BO'S	PM	4/26/2017	5/4/2017	693,045	693,045	0
00870515	SHOCK ABSORBER REPLACEMENT	CM	6/9/2017	6/11/2017	693,055	693,055	0
00866195	MONTHLY PMI - CONTINGENCY FLEET	PM	5/16/2017	6/12/2017	693,048	693,056	8
00872988	T/S DRIVERS SEAT LOOSING AIR PRESSURE	CM	6/22/2017	6/28/2017	693,196	693,331	135
00876582	6 MONTH RADIO/APC/CHIME PM INSPECTION	PM	7/14/2017	7/14/2017	693,414	693,414	0
00878652	BODY REPAIR DUE TO ACCIDENT #1800179	DA	7/25/2017	7/25/2017	693,554	693,554	0
00870880	CONTINGENCY ACTIVATION - GARDEN GROVE	AC	6/12/2017	8/1/2017	693,056	693,749	693
00874692	MONTHLY PMI- CONTINGENCY FLEET	PM	7/5/2017	8/9/2017	693,397	693,749	352
00881149	REPLACE FRONT GEN SEAL	CM	8/7/2017	8/9/2017	693,749	693,749	0

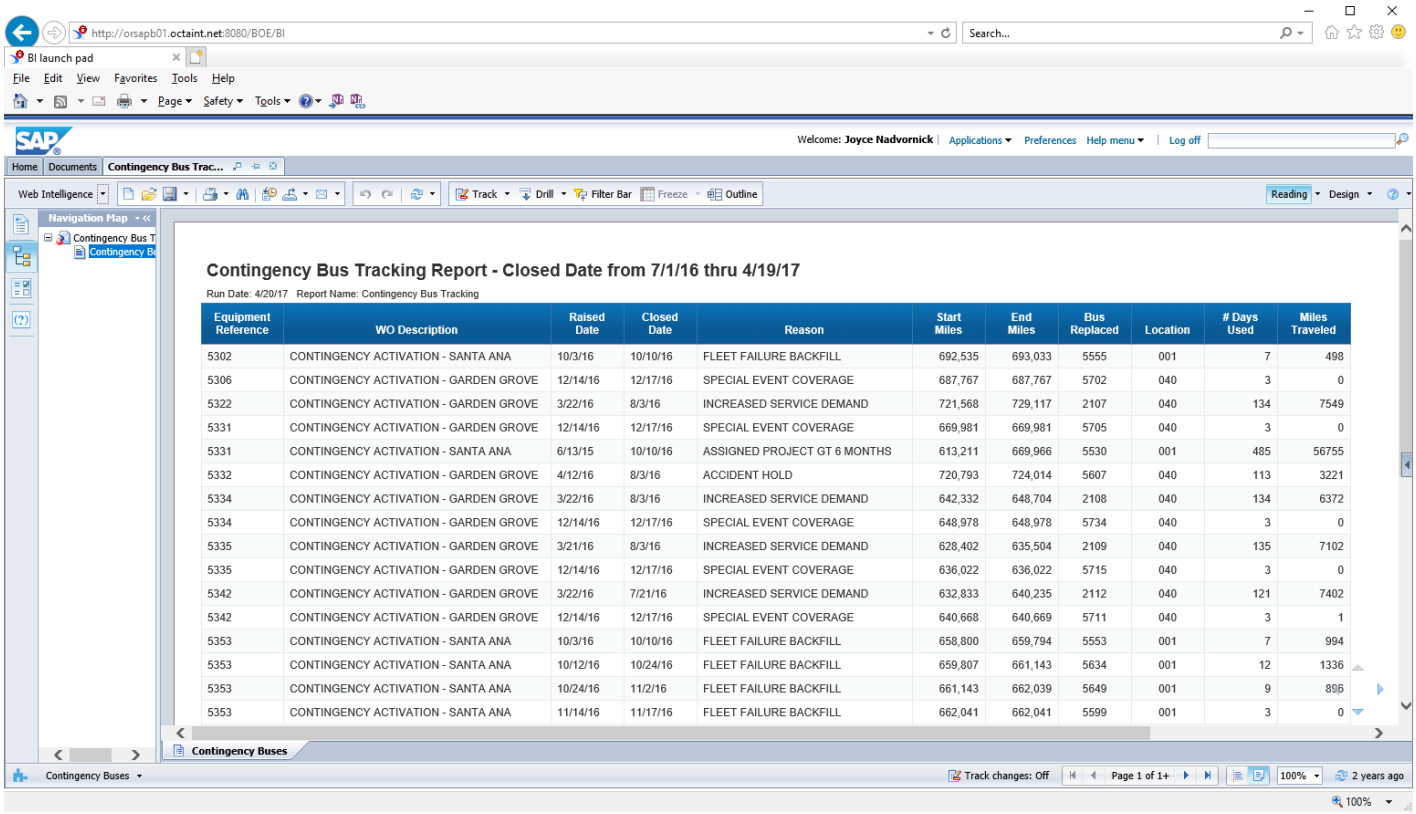


Contingency Bus - Work Orders (Year 2018)

Run Date: 9/5/2019

Eq Ref: 5302	Make: NEWFLYER	Model: D40LF-SR467	Model Year: 1998	EGI: 5300N/FLYER		Date Acquired: 2/5/1998	
Work Order	**Wo Desc**	**Maint Type**	**Raised Date**	**Closed Date**	**Start Mileage**	**End Mileage**	**Miles**
00907041	MONTHLY PMI- CONTINGENCY FLEET	PM	1/2/2018	1/3/2018	694,651	694,651	0
00908897	CONTINGENCY ACTIVATION - GARDEN GROVE	SW	1/8/2018	1/12/2018	694,655	694,670	15
00908294	SMOKE OPACITY TEST - CONTINGENCY FLEET	PM	1/9/2018	1/19/2018	694,655	694,752	97
00909094	CONTINGENCY ACTIVATION - GARDEN GROVE	AC	1/8/2018	1/29/2018	694,670	694,767	97
00911761	MONTHLY PMI- CONTINGENCY FLEET	PM	1/26/2018	1/30/2018	694,767	694,767	0
00914818	CONTINGENCY ACTIVATION - GARDEN GROVE	AC	2/12/2018	2/19/2018	694,795	694,848	53
00915307	BO - T/S DEFROSTER NOISY	CM	2/14/2018	2/19/2018	694,847	694,848	1
00916015	CONTINGENCY ACTIVATION - GARDEN GROVE	AC	2/19/2018	2/26/2018	694,848	694,883	35
00917696	MONTHLY PMI- CONTINGENCY FLEET	PM	2/27/2018	3/2/2018	694,883	694,883	0
00918850	CONTINGENCY ACTIVATION - GARDEN GROVE	AC	3/5/2018	3/26/2018	694,883	694,983	100
00923343	MONTHLY PMI- CONTINGENCY FLEET	PM	3/29/2018	3/29/2018	694,988	694,988	0
00924012	T/S NO START	CM	4/2/2018	4/2/2018	694,988	694,995	7
00923961	CONTINGENCY ACTIVATION - GARDEN GROVE	AC	4/2/2018	4/23/2018	694,988	695,079	91
00925927	RADIO INSPECTION	PM	4/12/2018	4/25/2018	694,995	695,080	85
00928702	MONTHLY PMI- CONTINGENCY FLEET	PM	4/26/2018	4/26/2018	695,080	695,080	0
00928696	DRIVERS SEAT/UPHOLSTERY INSPECTION	PM	4/26/2018	4/30/2018	695,080	695,080	0
00928695	NF LF INSPECTION #7	PM	4/26/2018	5/3/2018	695,080	695,080	0
00928697	HVAC INSPECTION	PM	4/26/2018	5/3/2018	695,080	695,080	0
00928700	HVAC INSPECTION	PM	4/26/2018	5/3/2018	695,080	695,080	0
00928701	INSPECTION BO'S	PM	4/26/2018	5/3/2018	695,080	695,080	0

36. Contingency Bus Tracking

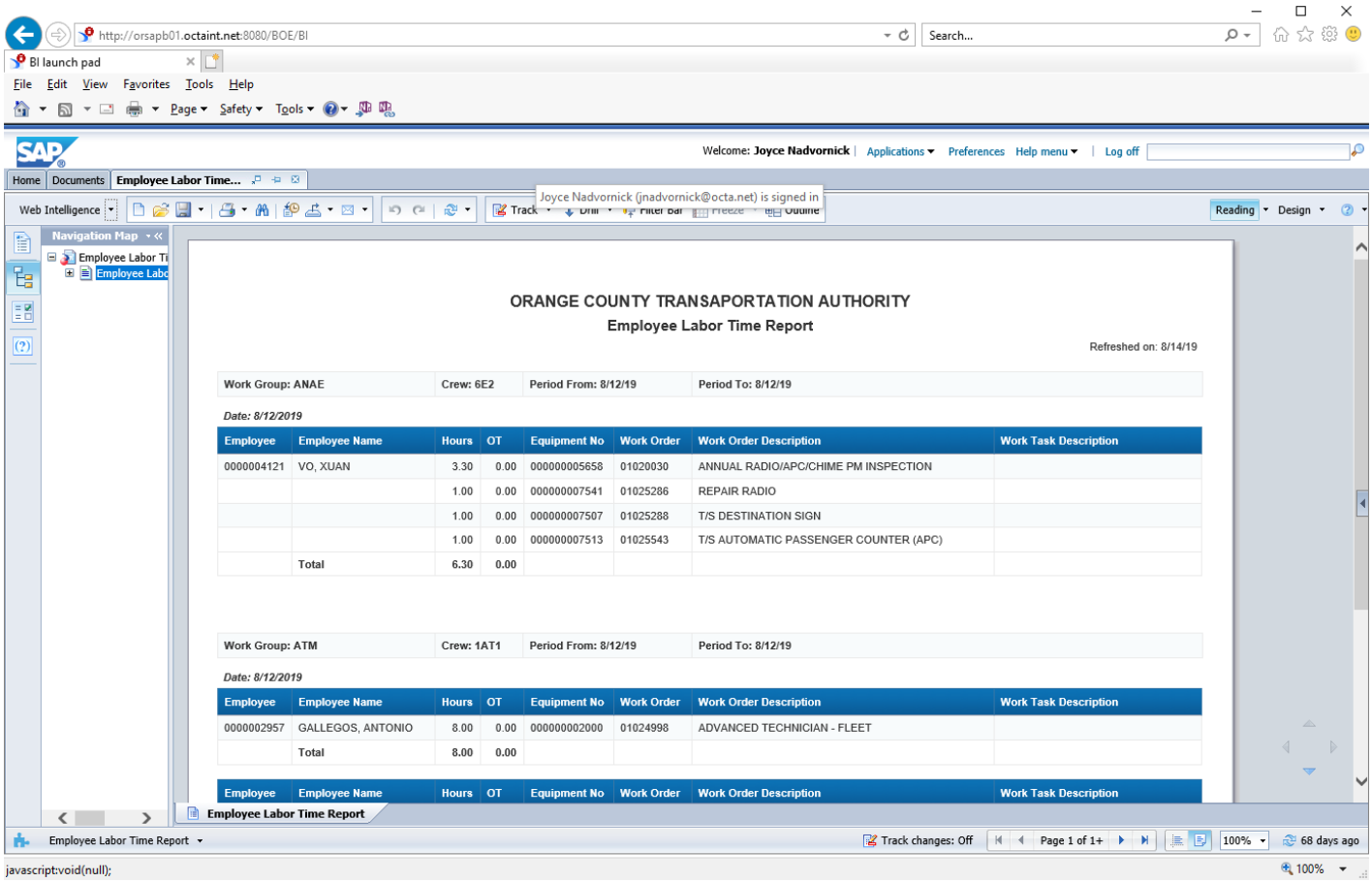


Contingency Bus Tracking Report - Closed Date from 7/1/16 thru 4/19/17

Run Date: 4/20/17 Report Name: Contingency Bus Tracking

Equipment Reference	WO Description	Raised Date	Closed Date	Reason	Start Miles	End Miles	Bus Replaced	Location	# Days Used	Miles Traveled
5302	CONTINGENCY ACTIVATION - SANTA ANA	10/3/16	10/10/16	FLEET FAILURE BACKFILL	692,535	693,033	5555	001	7	498
5306	CONTINGENCY ACTIVATION - GARDEN GROVE	12/14/16	12/17/16	SPECIAL EVENT COVERAGE	687,767	687,767	5702	040	3	0
5322	CONTINGENCY ACTIVATION - GARDEN GROVE	3/22/16	8/3/16	INCREASED SERVICE DEMAND	721,568	729,117	2107	040	134	7549
5331	CONTINGENCY ACTIVATION - GARDEN GROVE	12/14/16	12/17/16	SPECIAL EVENT COVERAGE	669,981	669,981	5705	040	3	0
5331	CONTINGENCY ACTIVATION - SANTA ANA	6/13/15	10/10/16	ASSIGNED PROJECT GT 6 MONTHS	613,211	669,966	5530	001	485	56755
5332	CONTINGENCY ACTIVATION - GARDEN GROVE	4/12/16	8/3/16	ACCIDENT HOLD	720,793	724,014	5607	040	113	3221
5334	CONTINGENCY ACTIVATION - GARDEN GROVE	3/22/16	8/3/16	INCREASED SERVICE DEMAND	642,332	648,704	2108	040	134	6372
5334	CONTINGENCY ACTIVATION - GARDEN GROVE	12/14/16	12/17/16	SPECIAL EVENT COVERAGE	648,978	648,978	5734	040	3	0
5335	CONTINGENCY ACTIVATION - GARDEN GROVE	3/21/16	8/3/16	INCREASED SERVICE DEMAND	628,402	635,504	2109	040	135	7102
5335	CONTINGENCY ACTIVATION - GARDEN GROVE	12/14/16	12/17/16	SPECIAL EVENT COVERAGE	636,022	636,022	5715	040	3	0
5342	CONTINGENCY ACTIVATION - GARDEN GROVE	3/22/16	7/21/16	INCREASED SERVICE DEMAND	632,833	640,235	2112	040	121	7402
5342	CONTINGENCY ACTIVATION - GARDEN GROVE	12/14/16	12/17/16	SPECIAL EVENT COVERAGE	640,668	640,669	5711	040	3	1
5353	CONTINGENCY ACTIVATION - SANTA ANA	10/3/16	10/10/16	FLEET FAILURE BACKFILL	658,800	659,794	5553	001	7	994
5353	CONTINGENCY ACTIVATION - SANTA ANA	10/12/16	10/24/16	FLEET FAILURE BACKFILL	659,807	661,143	5634	001	12	1336
5353	CONTINGENCY ACTIVATION - SANTA ANA	10/24/16	11/2/16	FLEET FAILURE BACKFILL	661,143	662,039	5649	001	9	896
5353	CONTINGENCY ACTIVATION - SANTA ANA	11/14/16	11/17/16	FLEET FAILURE BACKFILL	662,041	662,041	5599	001	3	0

37. Employee Labor Time Report - 2 Days Prior*



ORANGE COUNTY TRANSAPORTATION AUTHORITY

Employee Labor Time Report

Refreshed on: 8/14/19

Work Group: ANAE | Crew: 6E2 | Period From: 8/12/19 | Period To: 8/12/19

Date: 8/12/2019

Employee	Employee Name	Hours	OT	Equipment No	Work Order	Work Order Description	Work Task Description
0000004121	VO, XUAN	3.30	0.00	000000005658	01020030	ANNUAL RADIO/APC/CHIME PM INSPECTION	
		1.00	0.00	000000007541	01025286	REPAIR RADIO	
		1.00	0.00	000000007507	01025288	T/S DESTINATION SIGN	
		1.00	0.00	000000007513	01025543	T/S AUTOMATIC PASSENGER COUNTER (APC)	
	Total	6.30	0.00				

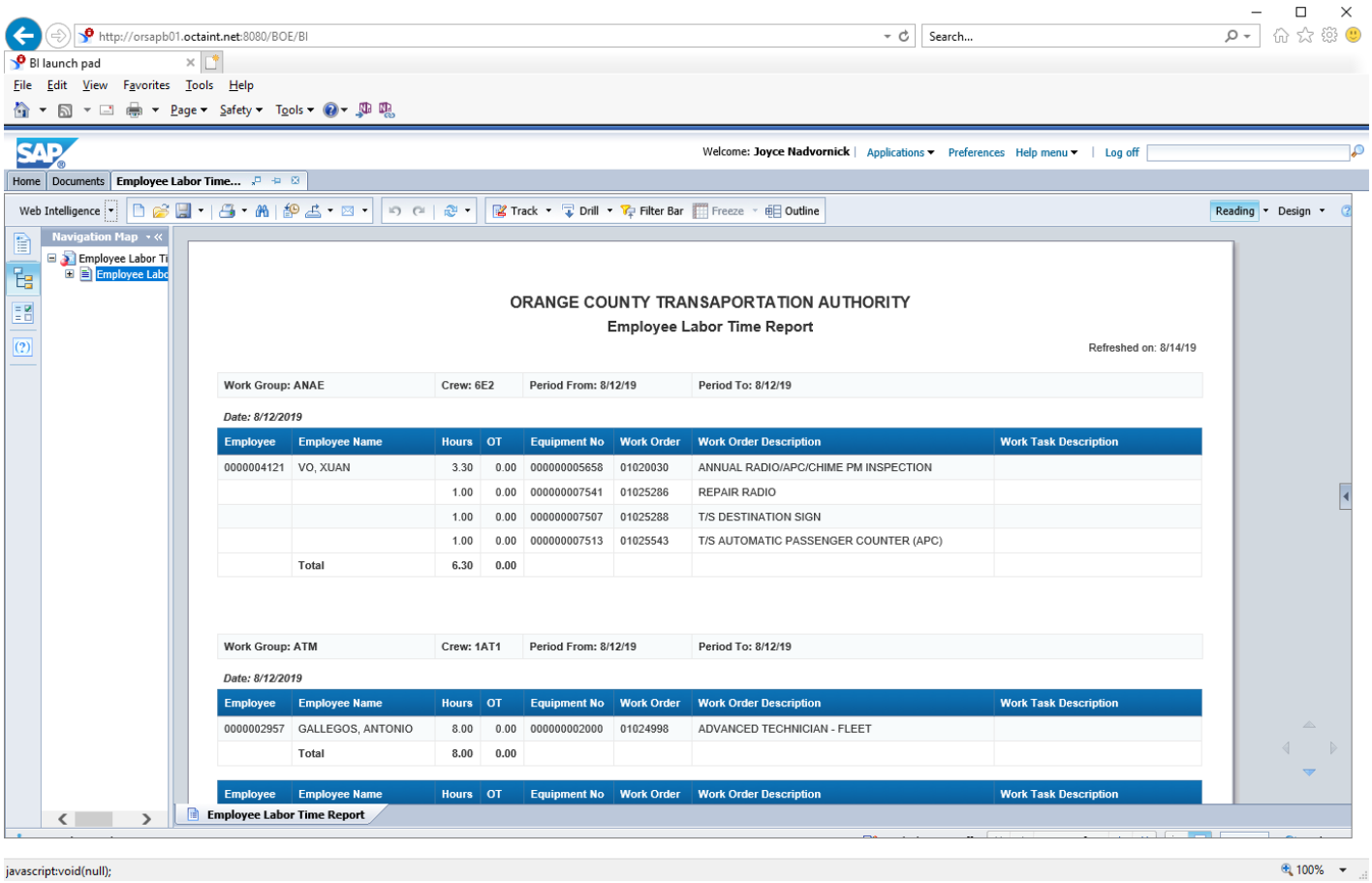
Work Group: ATM | Crew: 1AT1 | Period From: 8/12/19 | Period To: 8/12/19

Date: 8/12/2019

Employee	Employee Name	Hours	OT	Equipment No	Work Order	Work Order Description	Work Task Description
0000002957	GALLEGOS, ANTONIO	8.00	0.00	000000002000	01024998	ADVANCED TECHNICIAN - FLEET	
	Total	8.00	0.00				

Employee	Employee Name	Hours	OT	Equipment No	Work Order	Work Order Description	Work Task Description

38. Employee Labor Time Report*



ORANGE COUNTY TRANSAPORTATION AUTHORITY

Employee Labor Time Report

Refreshed on: 8/14/19

Work Group: ANAE	Crew: 6E2	Period From: 8/12/19	Period To: 8/12/19

Date: 8/12/2019

Employee	Employee Name	Hours	OT	Equipment No	Work Order	Work Order Description	Work Task Description
0000004121	VO, XUAN	3.30	0.00	000000005658	01020030	ANNUAL RADIO/APC/CHIME PM INSPECTION	
		1.00	0.00	000000007541	01025286	REPAIR RADIO	
		1.00	0.00	000000007507	01025288	T/S DESTINATION SIGN	
		1.00	0.00	000000007513	01025543	T/S AUTOMATIC PASSENGER COUNTER (APC)	
	Total	6.30	0.00				

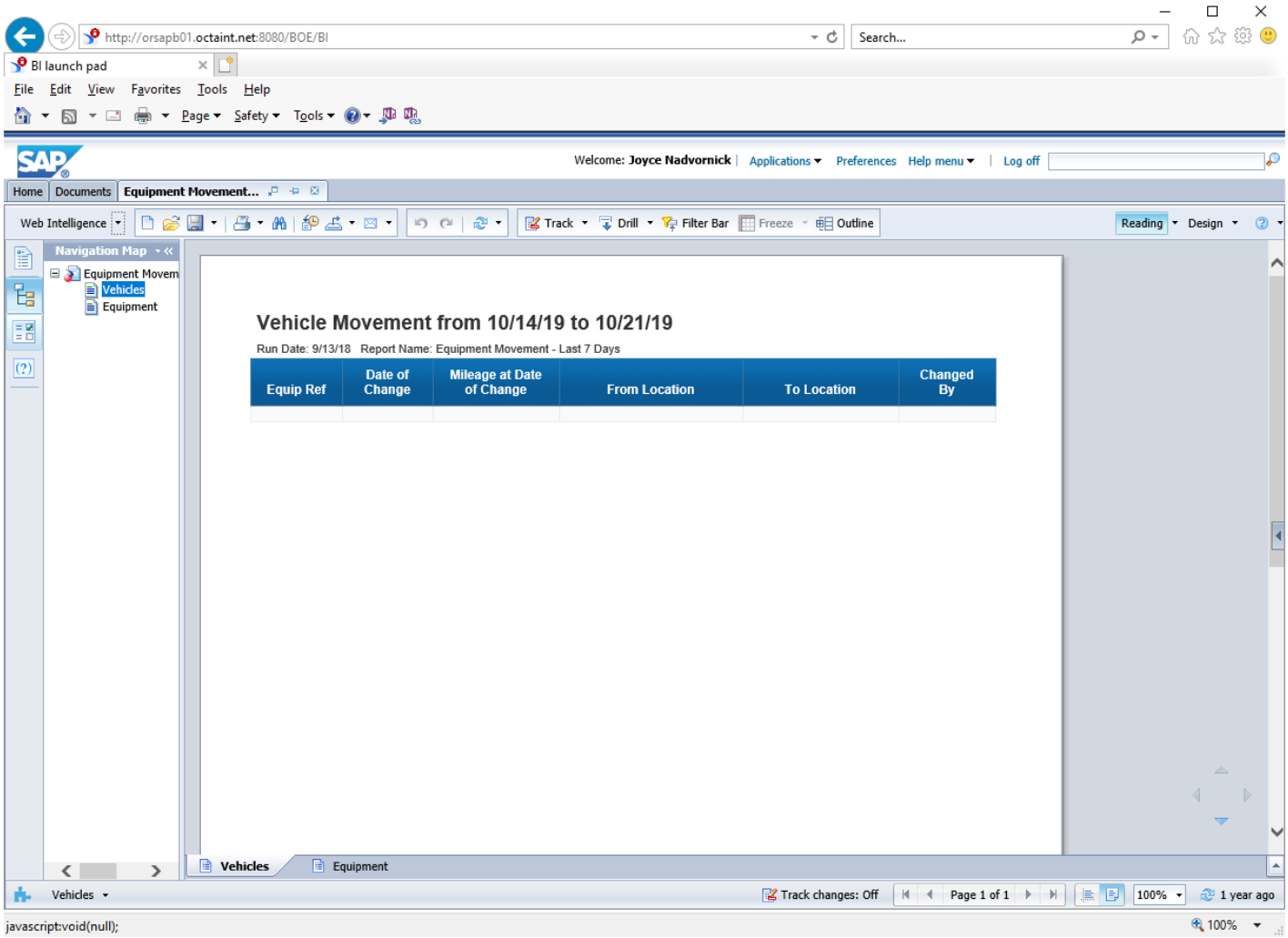
Work Group: ATM	Crew: 1AT1	Period From: 8/12/19	Period To: 8/12/19

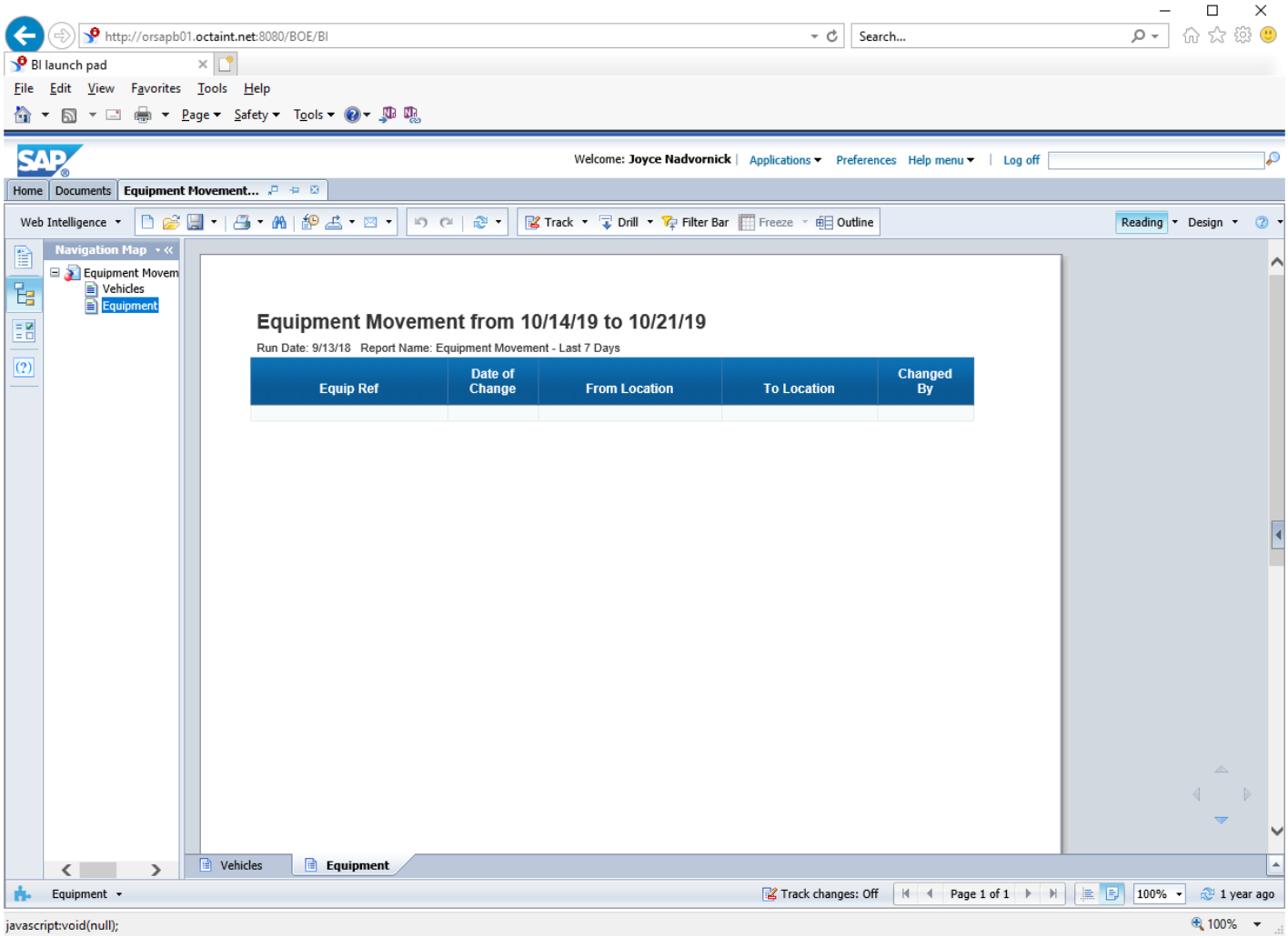
Date: 8/12/2019

Employee	Employee Name	Hours	OT	Equipment No	Work Order	Work Order Description	Work Task Description
0000002957	GALLEGOS, ANTONIO	8.00	0.00	000000002000	01024998	ADVANCED TECHNICIAN - FLEET	
	Total	8.00	0.00				

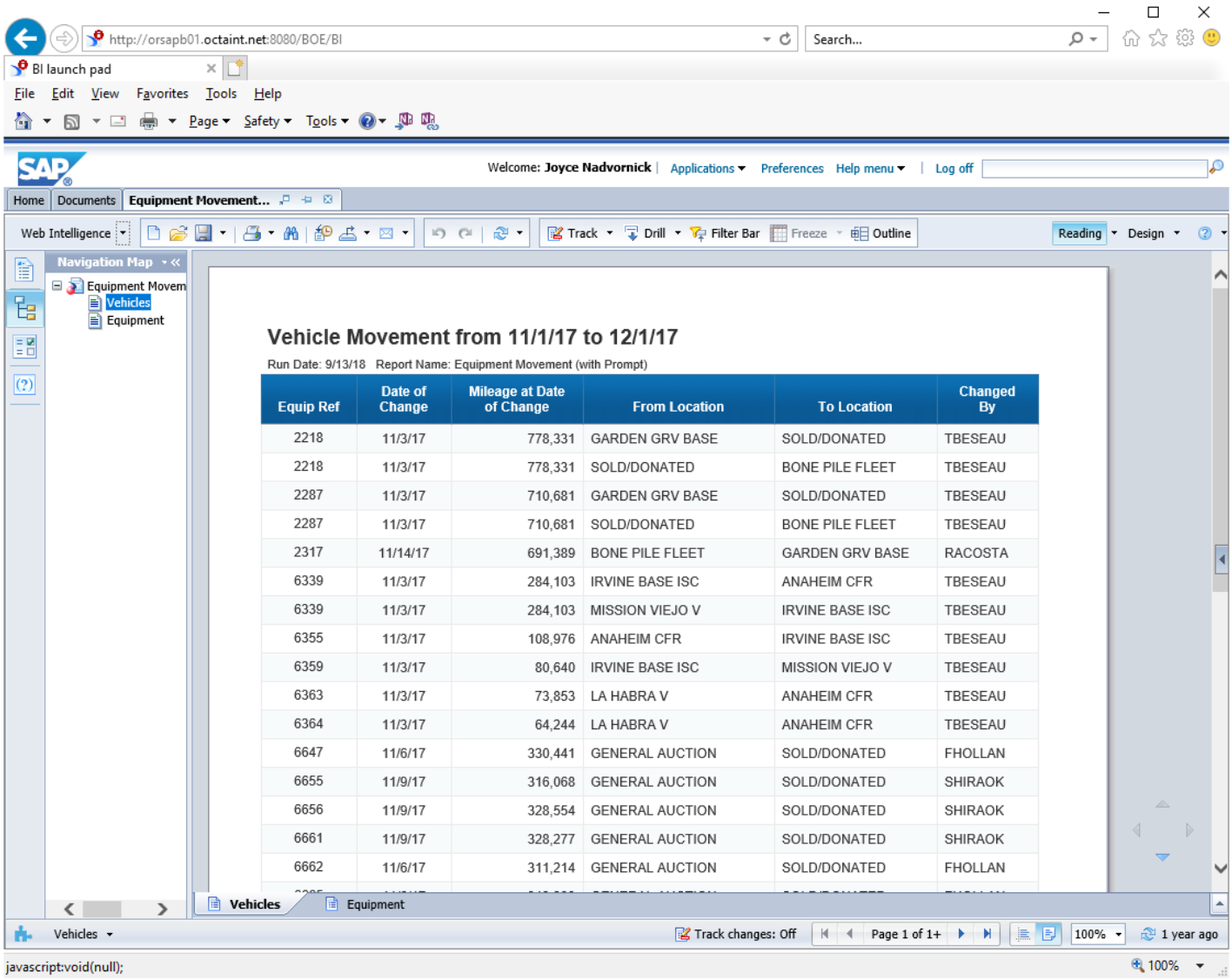
Employee	Employee Name	Hours	OT	Equipment No	Work Order	Work Order Description	Work Task Description

39. Equipment Movement - Last 7 Days*



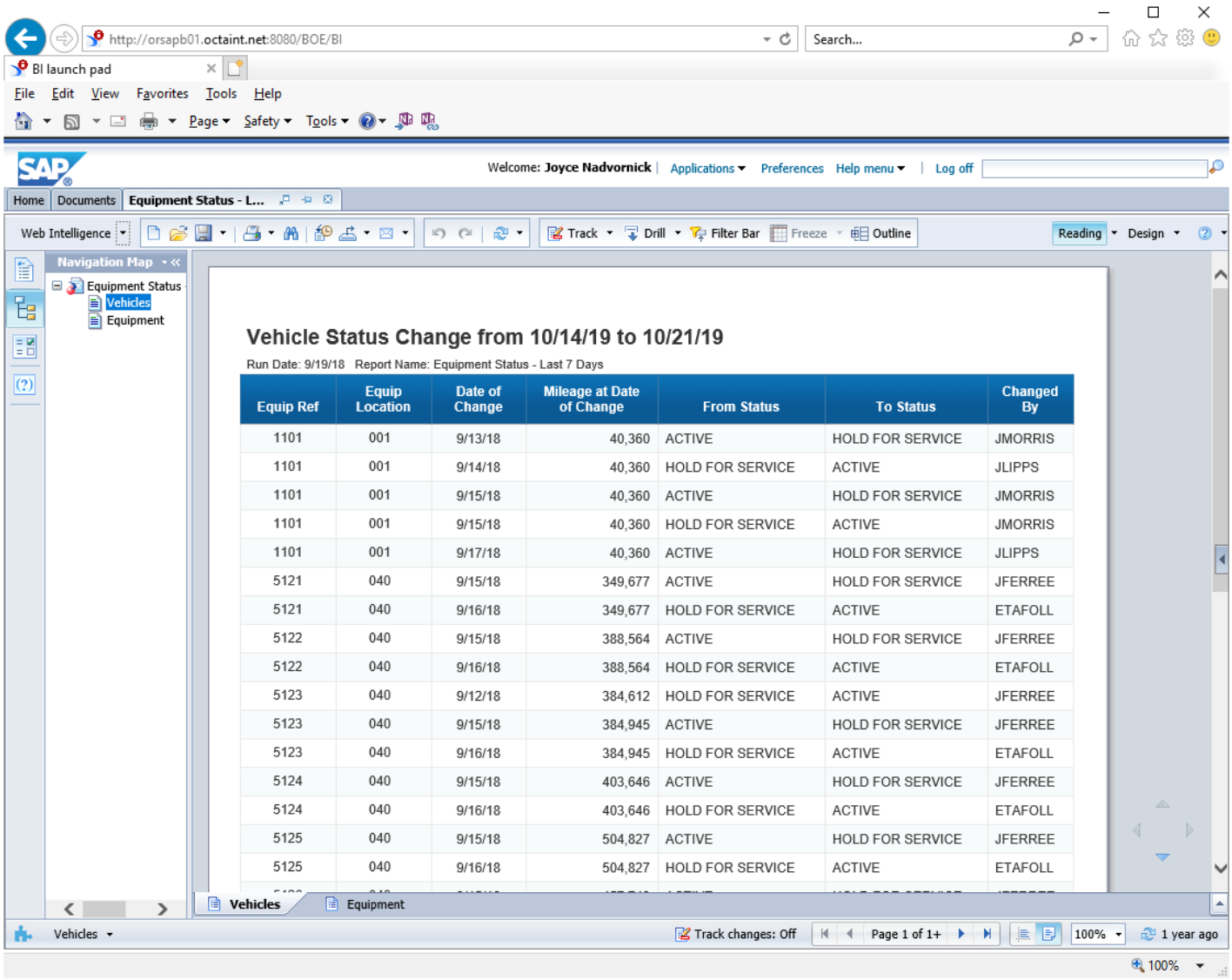

http://orsapb01.octaint.net:8080/BOE/BI
BI launch pad
File Edit View Favorites Tools Help
Page Safety Tools
Welcome: Joyce Nadvornick | Applications Preferences Help menu | Log off
Home Documents Equipment Movement...
Web Intelligence
Track Drill Filter Bar Freeze Outline
Reading Design
Navigation Map
Equipment Movem
Vehicles
Equipment
Equipment Movement from 10/14/19 to 10/21/19
Run Date: 9/13/18 Report Name: Equipment Movement - Last 7 Days
Equip Ref
Date of Change
From Location
To Location
Changed By
Vehicles
Equipment
Track changes: Off
Page 1 of 1
100%
1 year ago
javascript:void(null);

40. Equipment Movement (with Prompt) *



Equip Ref	Date of Change	Mileage at Date of Change	From Location	To Location	Changed By
2218	11/3/17	778,331	GARDEN GRV BASE	SOLD/DONATED	TBESEAU
2218	11/3/17	778,331	SOLD/DONATED	BONE PILE FLEET	TBESEAU
2287	11/3/17	710,681	GARDEN GRV BASE	SOLD/DONATED	TBESEAU
2287	11/3/17	710,681	SOLD/DONATED	BONE PILE FLEET	TBESEAU
2317	11/14/17	691,389	BONE PILE FLEET	GARDEN GRV BASE	RACOSTA
6339	11/3/17	284,103	IRVINE BASE ISC	ANAHEIM CFR	TBESEAU
6339	11/3/17	284,103	MISSION VIEJO V	IRVINE BASE ISC	TBESEAU
6355	11/3/17	108,976	ANAHEIM CFR	IRVINE BASE ISC	TBESEAU
6359	11/3/17	80,640	IRVINE BASE ISC	MISSION VIEJO V	TBESEAU
6363	11/3/17	73,853	LA HABRA V	ANAHEIM CFR	TBESEAU
6364	11/3/17	64,244	LA HABRA V	ANAHEIM CFR	TBESEAU
6647	11/6/17	330,441	GENERAL AUCTION	SOLD/DONATED	FHOLLAN
6655	11/9/17	316,068	GENERAL AUCTION	SOLD/DONATED	SHIRAOK
6656	11/9/17	328,554	GENERAL AUCTION	SOLD/DONATED	SHIRAOK
6661	11/9/17	328,277	GENERAL AUCTION	SOLD/DONATED	SHIRAOK
6662	11/6/17	311,214	GENERAL AUCTION	SOLD/DONATED	FHOLLAN

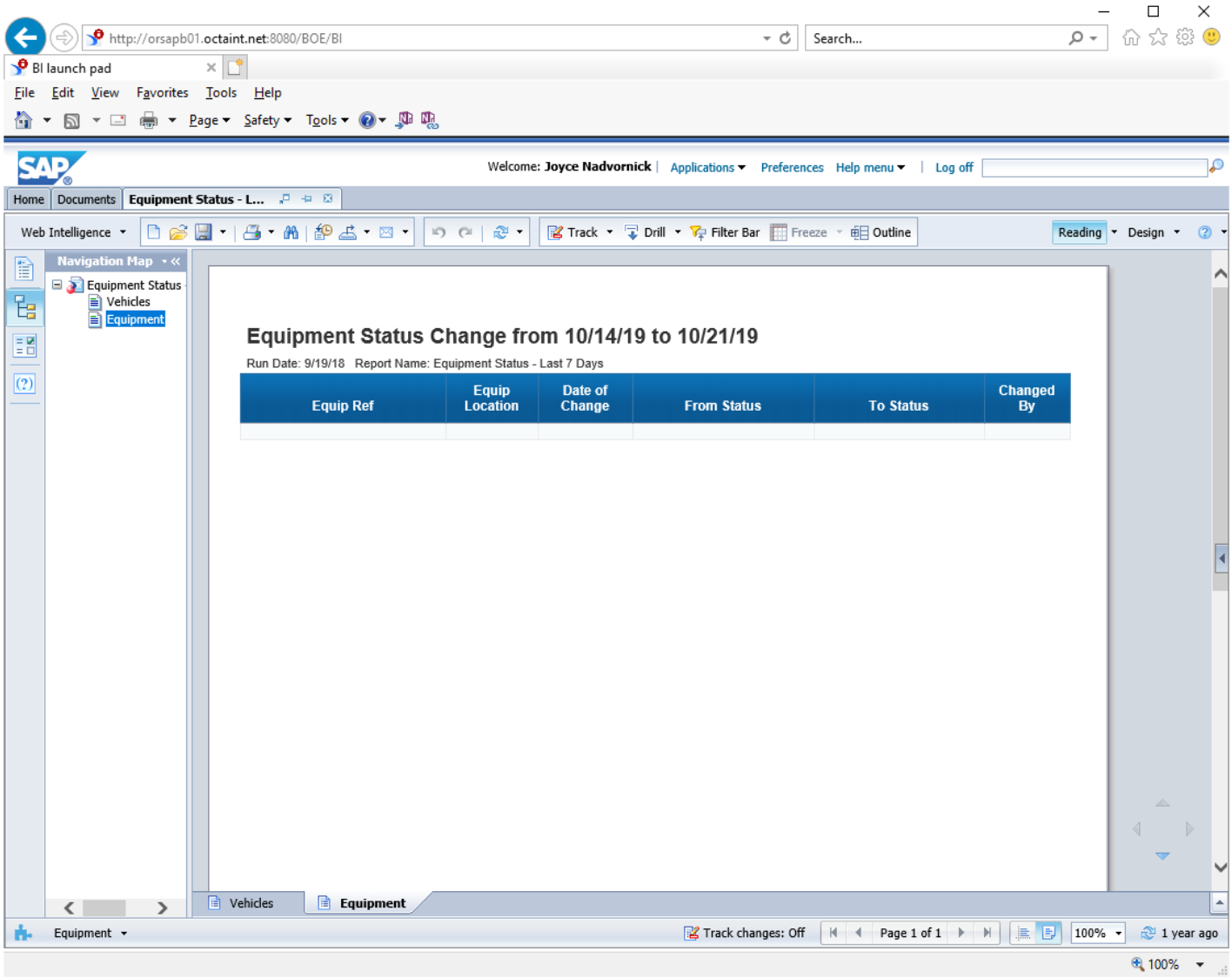
41. Equipment Status - Last 7 Days*



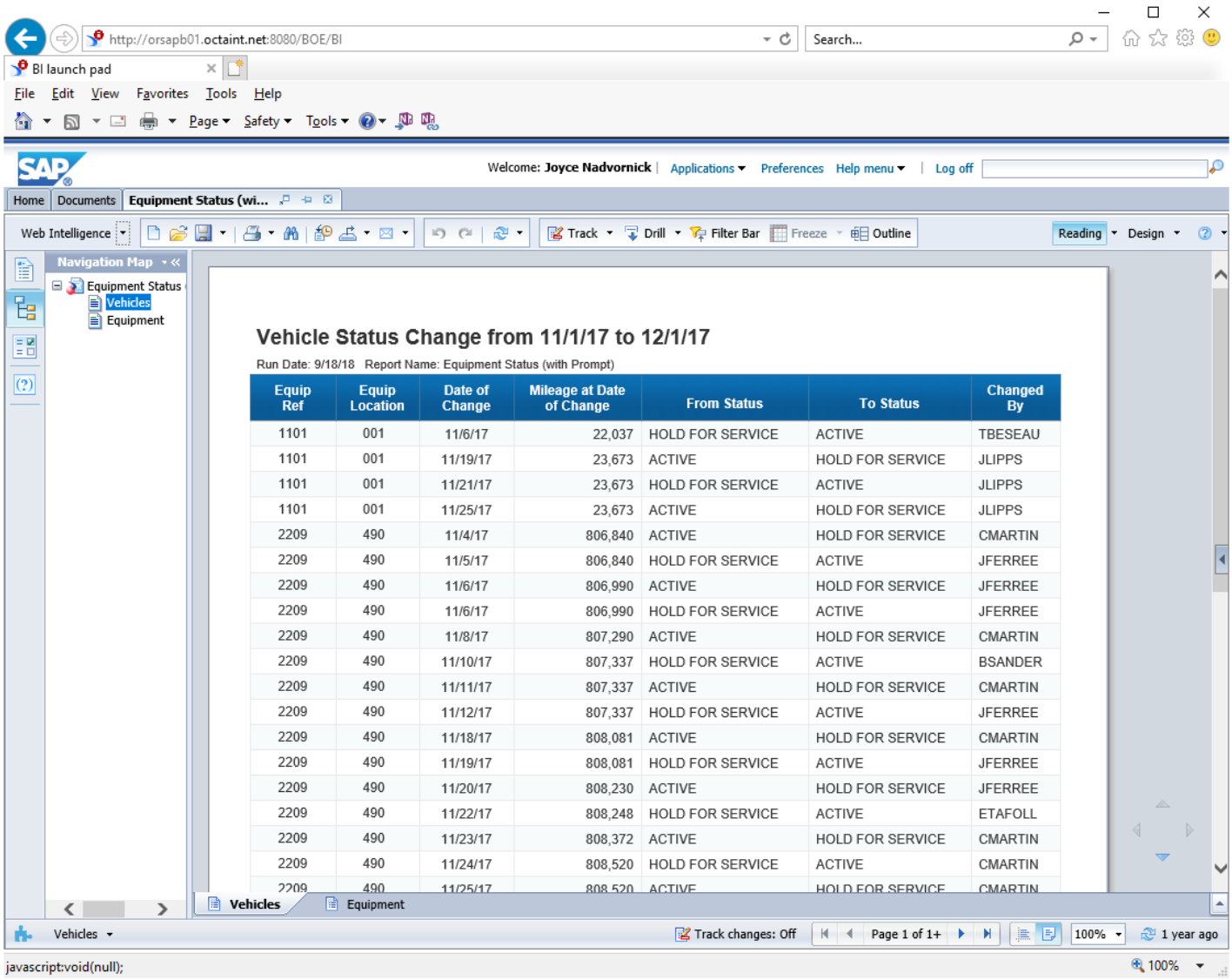
Vehicle Status Change from 10/14/19 to 10/21/19

Run Date: 9/19/18 Report Name: Equipment Status - Last 7 Days

Equip Ref	Equip Location	Date of Change	Mileage at Date of Change	From Status	To Status	Changed By
1101	001	9/13/18	40,360	ACTIVE	HOLD FOR SERVICE	JMORRIS
1101	001	9/14/18	40,360	HOLD FOR SERVICE	ACTIVE	JLIPPS
1101	001	9/15/18	40,360	ACTIVE	HOLD FOR SERVICE	JMORRIS
1101	001	9/15/18	40,360	HOLD FOR SERVICE	ACTIVE	JMORRIS
1101	001	9/17/18	40,360	ACTIVE	HOLD FOR SERVICE	JLIPPS
5121	040	9/15/18	349,677	ACTIVE	HOLD FOR SERVICE	JFERREE
5121	040	9/16/18	349,677	HOLD FOR SERVICE	ACTIVE	ETAFOLL
5122	040	9/15/18	388,564	ACTIVE	HOLD FOR SERVICE	JFERREE
5122	040	9/16/18	388,564	HOLD FOR SERVICE	ACTIVE	ETAFOLL
5123	040	9/12/18	384,612	HOLD FOR SERVICE	ACTIVE	JFERREE
5123	040	9/15/18	384,945	ACTIVE	HOLD FOR SERVICE	JFERREE
5123	040	9/16/18	384,945	HOLD FOR SERVICE	ACTIVE	ETAFOLL
5124	040	9/15/18	403,646	ACTIVE	HOLD FOR SERVICE	JFERREE
5124	040	9/16/18	403,646	HOLD FOR SERVICE	ACTIVE	ETAFOLL
5125	040	9/15/18	504,827	ACTIVE	HOLD FOR SERVICE	JFERREE
5125	040	9/16/18	504,827	HOLD FOR SERVICE	ACTIVE	ETAFOLL


http://orsapb01.octaint.net:8080/BOE/BI
BI launch pad
File Edit View Favorites Tools Help
Page Safety Tools
Welcome: Joyce Nadvornick | Applications Preferences Help menu | Log off
Home Documents Equipment Status - L...
Web Intelligence
Track Drill Filter Bar Freeze Outline
Reading Design
Navigation Map
Equipment Status
Vehicles
Equipment
Equipment Status Change from 10/14/19 to 10/21/19
Run Date: 9/19/18 Report Name: Equipment Status - Last 7 Days
Equip Ref
Equip Location
Date of Change
From Status
To Status
Changed By
Vehicles
Equipment
Track changes: Off
Page 1 of 1
100%
1 year ago

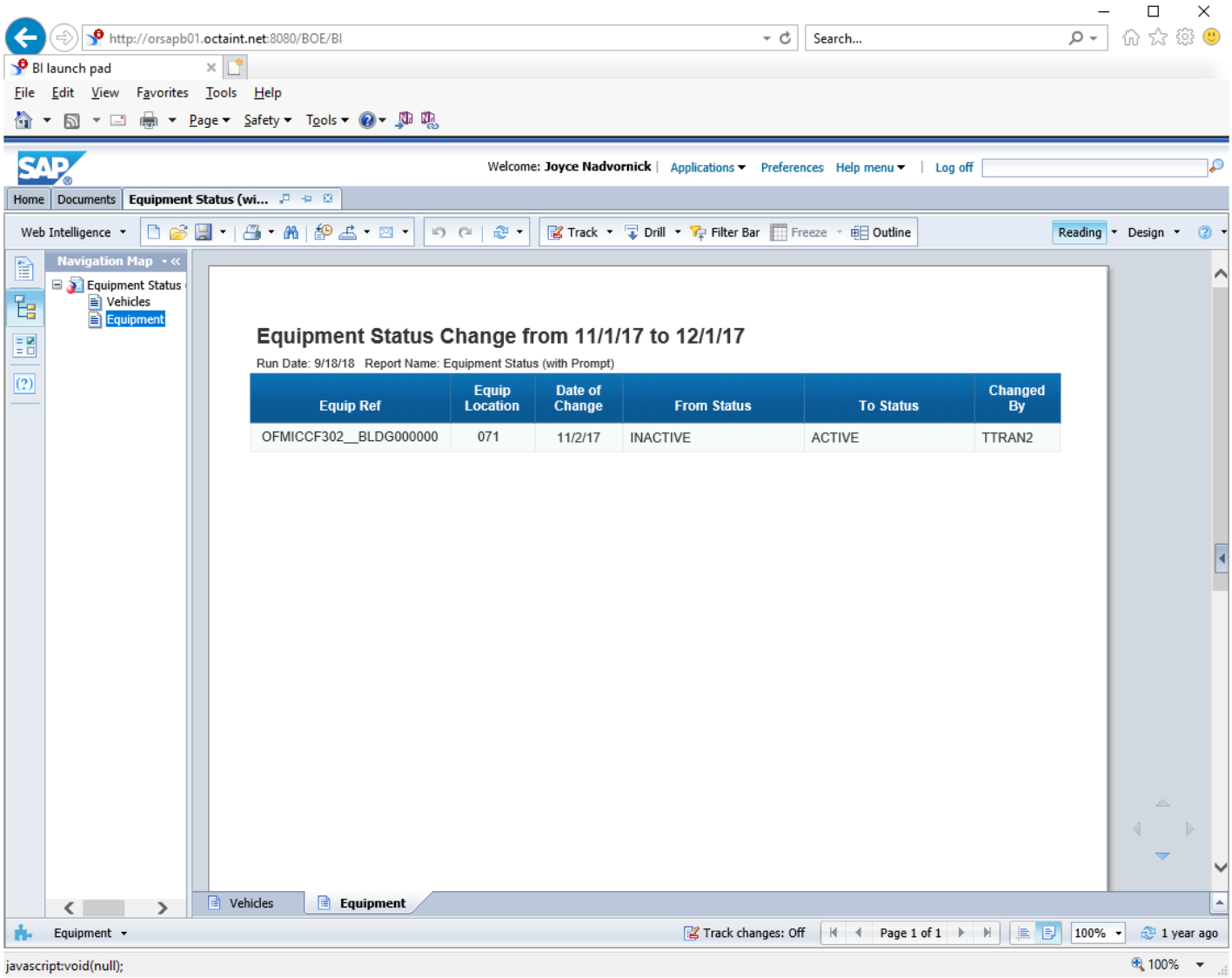
42. Equipment Status (with Prompt) *



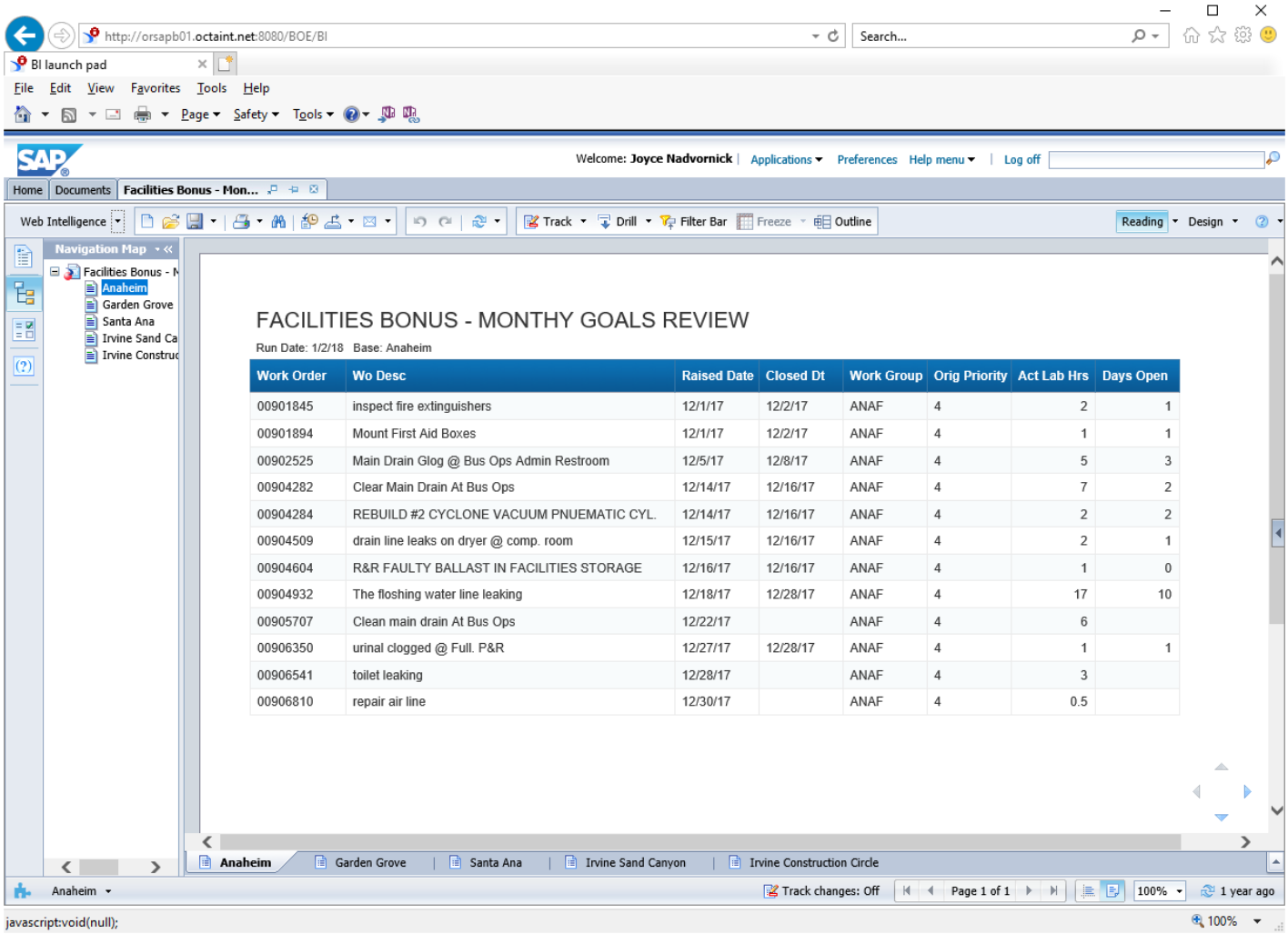
Vehicle Status Change from 11/1/17 to 12/1/17

Run Date: 9/18/18 Report Name: Equipment Status (with Prompt)

Equip Ref	Equip Location	Date of Change	Mileage at Date of Change	From Status	To Status	Changed By
1101	001	11/6/17	22,037	HOLD FOR SERVICE	ACTIVE	TBESEAU
1101	001	11/19/17	23,673	ACTIVE	HOLD FOR SERVICE	JLIPPS
1101	001	11/21/17	23,673	HOLD FOR SERVICE	ACTIVE	JLIPPS
1101	001	11/25/17	23,673	ACTIVE	HOLD FOR SERVICE	JLIPPS
2209	490	11/4/17	806,840	ACTIVE	HOLD FOR SERVICE	CMARTIN
2209	490	11/5/17	806,840	HOLD FOR SERVICE	ACTIVE	JFERREE
2209	490	11/6/17	806,990	ACTIVE	HOLD FOR SERVICE	JFERREE
2209	490	11/6/17	806,990	HOLD FOR SERVICE	ACTIVE	JFERREE
2209	490	11/8/17	807,290	ACTIVE	HOLD FOR SERVICE	CMARTIN
2209	490	11/10/17	807,337	HOLD FOR SERVICE	ACTIVE	BSANDER
2209	490	11/11/17	807,337	ACTIVE	HOLD FOR SERVICE	CMARTIN
2209	490	11/12/17	807,337	HOLD FOR SERVICE	ACTIVE	JFERREE
2209	490	11/18/17	808,081	ACTIVE	HOLD FOR SERVICE	CMARTIN
2209	490	11/19/17	808,081	HOLD FOR SERVICE	ACTIVE	JFERREE
2209	490	11/20/17	808,230	ACTIVE	HOLD FOR SERVICE	JFERREE
2209	490	11/22/17	808,248	HOLD FOR SERVICE	ACTIVE	ETAFOLL
2209	490	11/23/17	808,372	ACTIVE	HOLD FOR SERVICE	CMARTIN
2209	490	11/24/17	808,520	HOLD FOR SERVICE	ACTIVE	CMARTIN
2209	490	11/25/17	808,520	ACTIVE	HOLD FOR SERVICE	CMARTIN


http://orsapb01.octaint.net:8080/BOE/BI
BI launch pad
File Edit View Favorites Tools Help
Page Safety Tools
Welcome: Joyce Nadvornick | Applications Preferences Help menu | Log off
Home Documents Equipment Status (wi...
Web Intelligence
Track Drill Filter Bar Freeze Outline
Reading Design
Navigation Map
Equipment Status
Vehicles
Equipment
Equipment Status Change from 11/1/17 to 12/1/17
Run Date: 9/18/18 Report Name: Equipment Status (with Prompt)
Equip Ref | Equip Location | Date of Change | From Status | To Status | Changed By
OFMICCF302__BLDG000000 | 071 | 11/2/17 | INACTIVE | ACTIVE | TTRAN2
Vehicles
Equipment
Track changes: Off
Page 1 of 1
100%
1 year ago
javascript:void(null);

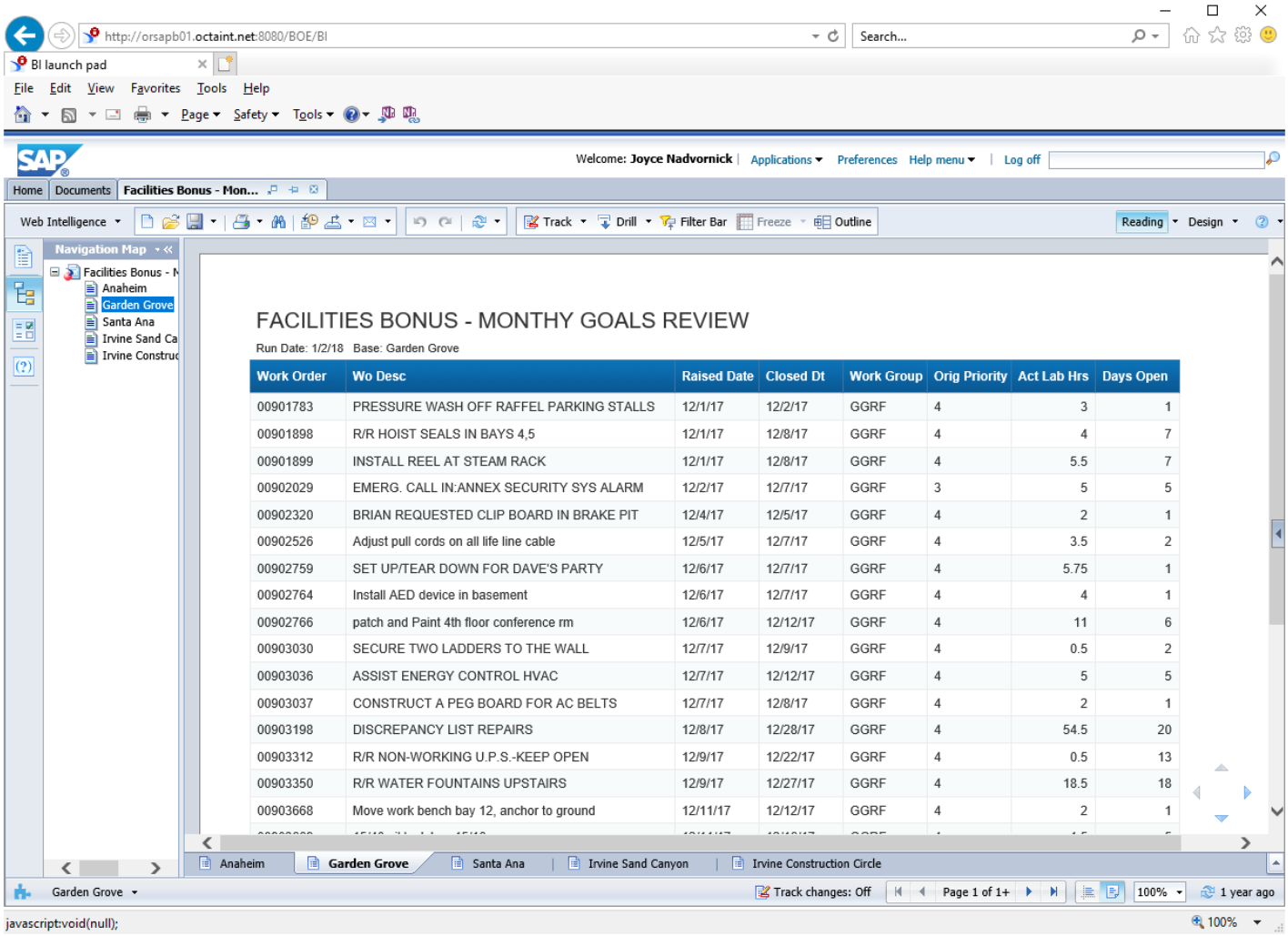
43. Facilities Bonus - Monthly Review*



FACILITIES BONUS - MONTHY GOALS REVIEW

Run Date: 1/2/18 Base: Anaheim

Work Order	Wo Desc	Raised Date	Closed Dt	Work Group	Orig Priority	Act Lab Hrs	Days Open
00901845	inspect fire extinguishers	12/1/17	12/2/17	ANAF	4	2	1
00901894	Mount First Aid Boxes	12/1/17	12/2/17	ANAF	4	1	1
00902525	Main Drain Glog @ Bus Ops Admin Restroom	12/5/17	12/8/17	ANAF	4	5	3
00904282	Clear Main Drain At Bus Ops	12/14/17	12/16/17	ANAF	4	7	2
00904284	REBUILD #2 CYCLONE VACUUM PNUEMATIC CYL.	12/14/17	12/16/17	ANAF	4	2	2
00904509	drain line leaks on dryer @ comp. room	12/15/17	12/16/17	ANAF	4	2	1
00904604	R&R FAULTY BALLAST IN FACILITIES STORAGE	12/16/17	12/16/17	ANAF	4	1	0
00904932	The floshing water line leaking	12/18/17	12/28/17	ANAF	4	17	10
00905707	Clean main drain At Bus Ops	12/22/17		ANAF	4	6	
00906350	urinal clogged @ Full. P&R	12/27/17	12/28/17	ANAF	4	1	1
00906541	toilet leaking	12/28/17		ANAF	4	3	
00906810	repair air line	12/30/17		ANAF	4	0.5	



FACILITIES BONUS - MONTHY GOALS REVIEW

Run Date: 1/2/18 Base: Garden Grove

Work Order	Wo Desc	Raised Date	Closed Dt	Work Group	Orig Priority	Act Lab Hrs	Days Open
00901783	PRESSURE WASH OFF RAFFEL PARKING STALLS	12/1/17	12/2/17	GGRF	4	3	1
00901898	R/R HOIST SEALS IN BAYS 4,5	12/1/17	12/8/17	GGRF	4	4	7
00901899	INSTALL REEL AT STEAM RACK	12/1/17	12/8/17	GGRF	4	5.5	7
00902029	EMERG. CALL IN:ANNEX SECURITY SYS ALARM	12/2/17	12/7/17	GGRF	3	5	5
00902320	BRIAN REQUESTED CLIP BOARD IN BRAKE PIT	12/4/17	12/5/17	GGRF	4	2	1
00902526	Adjust pull cords on all life line cable	12/5/17	12/7/17	GGRF	4	3.5	2
00902759	SET UP/TEAR DOWN FOR DAVE'S PARTY	12/6/17	12/7/17	GGRF	4	5.75	1
00902764	Install AED device in basement	12/6/17	12/7/17	GGRF	4	4	1
00902766	patch and Paint 4th floor conference rm	12/6/17	12/12/17	GGRF	4	11	6
00903030	SECURE TWO LADDERS TO THE WALL	12/7/17	12/9/17	GGRF	4	0.5	2
00903036	ASSIST ENERGY CONTROL HVAC	12/7/17	12/12/17	GGRF	4	5	5
00903037	CONSTRUCT A PEG BOARD FOR AC BELTS	12/7/17	12/8/17	GGRF	4	2	1
00903198	DISCREPANCY LIST REPAIRS	12/8/17	12/28/17	GGRF	4	54.5	20
00903312	R/R NON-WORKING U.P.S.-KEEP OPEN	12/9/17	12/22/17	GGRF	4	0.5	13
00903350	R/R WATER FOUNTAINS UPSTAIRS	12/9/17	12/27/17	GGRF	4	18.5	18
00903668	Move work bench bay 12, anchor to ground	12/11/17	12/12/17	GGRF	4	2	1

http://orsapb01.octaint.net:8080/BOE/BI

BI launch pad

File Edit View Favorites Tools Help

Page Safety Tools

Welcome: Joyce Nadvornick | Applications Preferences Help menu | Log off

Home Documents Facilities Bonus - Mon...

Web Intelligence Track Drill Filter Bar Freeze Outline Reading Design

Navigation Map

- Facilities Bonus - M
  - Anaheim
  - Garden Grove
  - Santa Ana
  - Irvine Sand Ca
  - Irvine Construc

FACILITIES BONUS - MONTHY GOALS REVIEW

Run Date: 1/2/18 Base: Santa Ana

Work Order	Wo Desc	Raised Date	Closed Dt	Work Group	Orig Priority	Act Lab Hrs	Days Open
00903033	SNAKED URINAL, REPLACED LIGHT SENSOR	12/7/17	12/14/17	SNAF	4	9.5	7
00903346	pull down rope broke off saftey cable	12/9/17	12/14/17	SNAF	3	1	5
00903347	body shop south door roller popped out	12/9/17	12/14/17	SNAF	5	1	5
00903348	light out in paint mixing room	12/9/17	12/14/17	SNAF	4	2.5	5
00903349	rebuild BBQ	12/9/17	12/14/17	SNAF	4	4.5	5
00903848	SET UP FOR LUNCH UPSTAIRS AND TTS	12/12/17	12/14/17	SNAF	4	6	2
00903854	REPLACED STEAM RACK PRESSURE HOSE	12/12/17	12/14/17	SNAF	4	1	2
00904203	shower door not clossing	12/14/17	12/14/17	SNAF	4	1	0
00904938	SNAKED BREAKROOM SINK	12/18/17	12/21/17	SNAF	4	3	3
00905653	irrigation leaks front landscaping	12/22/17		SNAF	4	39	
00905713	REPAIRED BAY 7 HOIST LEAK	12/22/17		SNAF	4	4	
00906348	urinal blocked up	12/27/17		SNAF	4	10	
00906708	REPLACED PLASTIC COMPONENT ON KONI LIFT	12/29/17		SNAF	4	2	

Anaheim | Garden Grove | Santa Ana | Irvine Sand Canyon | Irvine Construction Circle

Santa Ana Track changes: Off Page 1 of 1 100% 1 year ago

javascript:void(null); 100%

http://orsapb01.octaint.net:8080/BOE/BI

BI launch pad

File Edit View Favorites Tools Help

Page Safety Tools

Welcome: Joyce Nadvornick | Applications Preferences Help menu | Log off

Home Documents Facilities Bonus - Mon...

Web Intelligence Track Drill Filter Bar Freeze Outline Reading Design

Navigation Map

- Facilities Bonus - M
  - Anaheim
  - Garden Grove
  - Santa Ana
  - Irvine Sand Ca
  - Irvine Construc

FACILITIES BONUS - MONTHY GOALS REVIEW

Run Date: 1/2/18 Base: Irvine Sand Canyon

Work Order	Wo Desc	Raised Date	Closed Dt	Work Group	Orig Priority	Act Lab Hrs	Days Open
00902524	RESPOND TO CLOGGED TOILET REPORT @LHC	12/5/17	12/7/17	ISCF	3	2	2
00902770	HANDICAP RAILING IN MENS RR TOILET DMG	12/6/17	12/7/17	ISCF	3	1	1
00903767	DRIVERS TOILET CONTINUOUS FLUSHING	12/12/17	12/14/17	ISCF	3	4	2
00904101	PICK UP KONI LIFT FROM SA DEL/TEST ICC	12/13/17	12/14/17	ISCF	4	3	1
00905145	LOTO BAY 15 ROLLUP DOOR SPROCKET DMG	12/19/17	12/21/17	ISCF	4	0.5	2
00905146	CRANE #5 HOOK STUCK OFF TRACK	12/19/17	12/21/17	ISCF	4	2.5	2
00905329	Relocate butletin board and hang picture	12/20/17	12/21/17	ISCF	4	2.5	1
00905501	INSTALL FILTER WIRE FRAMES AND FILTERS	12/21/17		ISCF	4	2	
00905710	unclogged LHTT main line	12/22/17		ISCF	4	12	
00906135	PREP/PATCH, PAINT WALL IN GREG'S OFFICE	12/26/17		ISCF	5	0	
00906271	MENS RESTROOM DOOR LOCK BROKEN/JAMMED	12/27/17		ISCF	3	7	
00906272	ASSIST CONTRACTOR - SERVICE AC/EF SYSTEM	12/27/17		ISCF	4	3	
00906274	WASTE OIL TANK 10 OVERFILL/SENSOR ISSUE	12/27/17		ISCF	3	2	
00906477	CONTRACTOR SERVICE SUPPORT	12/28/17		ISCF	4	0.5	
00906539	PICK UP B/W PARTS AT NS FOR ISC/ICC BASE	12/28/17		ISCF	4	8	
00906702	INSTALL SAFETY CHAIN FOR FORKLIFT FUEL	12/29/17		ISCF	3	1	

Anaheim | Garden Grove | Santa Ana | Irvine Sand Canyon | Irvine Construction Circle

Irvine Sand Canyon Track changes: Off Page 1 of 1 100% 1 year ago

javascript:void(null); 100%

http://orsapb01.octaint.net:8080/BOE/BI

BI launch pad

File Edit View Favorites Tools Help

Page Safety Tools

Welcome: Joyce Nadvornick | Applications Preferences Help menu | Log off

Home Documents Facilities Bonus - Mon...

Web Intelligence Track Drill Filter Bar Freeze Outline Reading Design

Navigation Map

- Facilities Bonus - M
  - Anaheim
  - Garden Grove
  - Santa Ana
  - Irvine Sand Ca
  - Irvine Construc

FACILITIES BONUS - MONTHY GOALS REVIEW

Run Date: 1/2/18 Base: Irvine Construction Circle

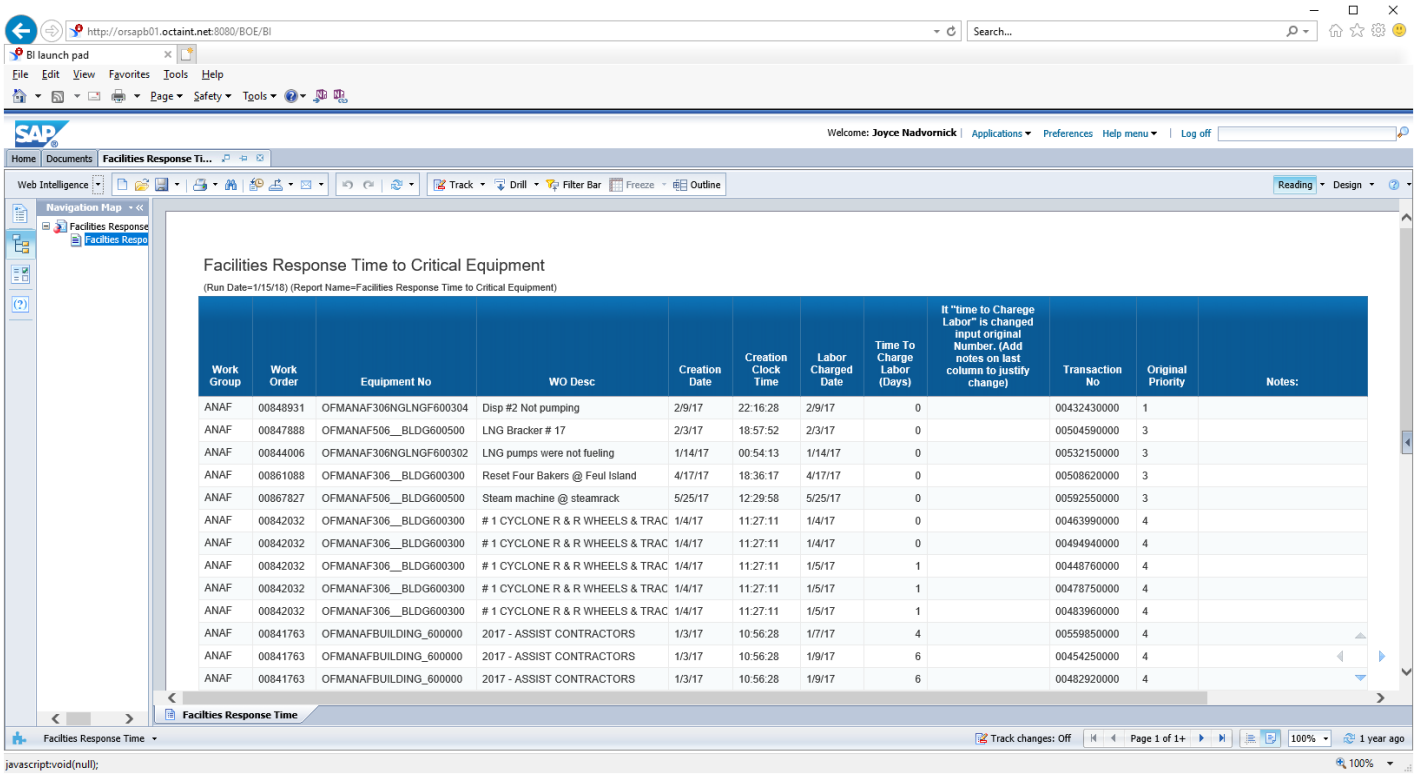
Work Order	Wo Desc	Raised Date	Closed Dt	Work Group	Orig Priority	Act Lab Hrs	Days Open
00901734	Water leaking at tire shop area	12/1/17	12/14/17	ICCF	1	15.5	13
00902012	ran conduit for exit light	12/2/17	12/7/17	ICCF	4	5	5
00902519	HOOKED UP 4 ROTARY PORTABLE HOIST	12/5/17	12/7/17	ICCF	4	7	2
00902763	glue down the carpet in ops.	12/6/17	12/7/17	ICCF	4	3	1
00903189	shut off power inside drinking fountain	12/8/17	12/14/17	ICCF	4	4	6
00904283	SET UP KONI LIFTS AT STEAM RACK FOR INSP	12/14/17	12/14/17	ICCF	4	3	0
00904524	REPAIRED OIL LEAKED AT PULSER LANE 2	12/15/17	12/21/17	ICCF	4	1	6
00904627	Installed a new fauset set in mens room	12/16/17	12/21/17	ICCF	4	1	5
00905147	Cleaned track/test the gate for MV	12/19/17	12/21/17	ICCF	4	3	2
00905447	TROUBLESHOOT WALPACK LIGHTS AT NBTT	12/21/17		ICCF	4	4	
00905712	RETURNED KONI LIFTS TO SANTA ANA	12/22/17		ICCF	4	1.5	

Anaheim | Garden Grove | Santa Ana | Irvine Sand Canyon | Irvine Construction Circle

Irvine Construction Circle Track changes: Off Page 1 of 1 100% 1 year ago

javascript:void(null); 100%

44. Facilities Response Time to Critical Equipment*

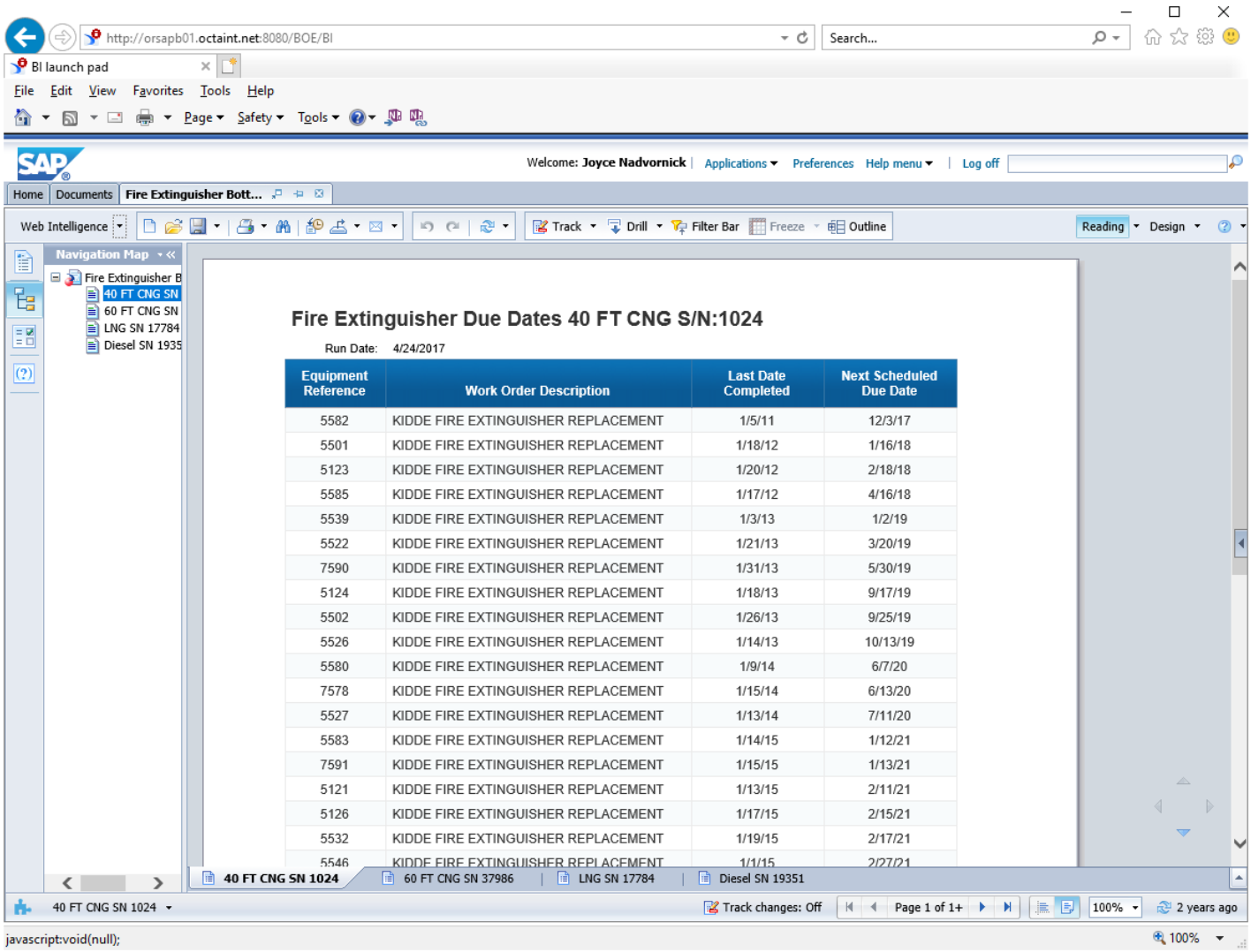


Facilities Response Time to Critical Equipment

(Run Date=1/15/18) (Report Name=Facilities Response Time to Critical Equipment)

Work Group	Work Order	Equipment No	WO Desc	Creation Date	Creation Clock Time	Labor Charged Date	Time To Charge Labor (Days)	If "time to Charege Labor" is changed input original Number. (Add notes on last column to justify change)	Transaction No	Original Priority	Notes:
ANAF	00848931	OFMANAF306NGLNGF600304	Disp #2 Not pumping	2/9/17	22:16:28	2/9/17	0		00432430000	1	
ANAF	00847888	OFMANAF506__BLDG600500	LNG Bracker # 17	2/3/17	18:57:52	2/3/17	0		00504590000	3	
ANAF	00844006	OFMANAF306NGLNGF600302	LNG pumps were not fueling	1/14/17	00:54:13	1/14/17	0		00532150000	3	
ANAF	00861088	OFMANAF306__BLDG600300	Reset Four Bakers @ Feul Island	4/17/17	18:36:17	4/17/17	0		00508620000	3	
ANAF	00867827	OFMANAF506__BLDG600500	Steam machine @ steamrack	5/25/17	12:29:58	5/25/17	0		00592550000	3	
ANAF	00842032	OFMANAF306__BLDG600300	# 1 CYCLONE R & R WHEELS & TRAC	1/4/17	11:27:11	1/4/17	0		00463990000	4	
ANAF	00842032	OFMANAF306__BLDG600300	# 1 CYCLONE R & R WHEELS & TRAC	1/4/17	11:27:11	1/4/17	0		00494940000	4	
ANAF	00842032	OFMANAF306__BLDG600300	# 1 CYCLONE R & R WHEELS & TRAC	1/4/17	11:27:11	1/5/17	1		00448760000	4	
ANAF	00842032	OFMANAF306__BLDG600300	# 1 CYCLONE R & R WHEELS & TRAC	1/4/17	11:27:11	1/5/17	1		00478750000	4	
ANAF	00842032	OFMANAF306__BLDG600300	# 1 CYCLONE R & R WHEELS & TRAC	1/4/17	11:27:11	1/5/17	1		00483960000	4	
ANAF	00841763	OFMANAFBUILDING_600000	2017 - ASSIST CONTRACTORS	1/3/17	10:56:28	1/7/17	4		00559850000	4	
ANAF	00841763	OFMANAFBUILDING_600000	2017 - ASSIST CONTRACTORS	1/3/17	10:56:28	1/9/17	6		00454250000	4	
ANAF	00841763	OFMANAFBUILDING_600000	2017 - ASSIST CONTRACTORS	1/3/17	10:56:28	1/9/17	6		00482920000	4	

45. Fire Extinguisher Bottles Due



Fire Extinguisher Due Dates 40 FT CNG S/N:1024

Run Date: 4/24/2017

Equipment Reference	Work Order Description	Last Date Completed	Next Scheduled Due Date
5582	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/5/11	12/3/17
5501	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/18/12	1/16/18
5123	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/20/12	2/18/18
5585	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/17/12	4/16/18
5539	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/3/13	1/2/19
5522	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/21/13	3/20/19
7590	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/31/13	5/30/19
5124	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/18/13	9/17/19
5502	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/26/13	9/25/19
5526	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/14/13	10/13/19
5580	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/9/14	6/7/20
7578	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/15/14	6/13/20
5527	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/13/14	7/11/20
5583	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/14/15	1/12/21
7591	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/15/15	1/13/21
5121	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/13/15	2/11/21
5126	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/17/15	2/15/21
5532	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/19/15	2/17/21
5546	KIDDE FIRE EXTINGUISHER REPLACEMENT	1/1/15	2/27/21