Nebraska Information Technology Commission

Project Proposal Form

**Funding Requests
for Information Technology Projects**

2015-2017 Biennial Budget

IMPORTANT NOTE: Project proposals should only be submitted by entering the information into the Nebraska Budget Request and Reporting System (NBRRS). The information requested in this Microsoft Word version of the form should be entered in the NBRRS in the "IT Project Proposal" section. The tabs in the "IT Project Proposal" section coincide with sections contained in this Microsoft Word version of the form. Information may be cut-and-pasted from this form or directly entered into the NBRRS. ALSO NOTE that for each IT Project Proposal created in the NBRRS, the submitting agency must prepare an "IT Issue" in the NBRRS to request funding for the project.

Project Title	**Mainframe Migration**
Agency/Entity	**Department of Roads**

Notes about this form:

1. **USE.** The Nebraska Information Technology Commission ("NITC") is required by statute to "make recommendations on technology investments to the Governor and the Legislature, including a prioritized list of projects, reviewed by the technical panel..." Neb. Rev. Stat. § 86-516(8). "Governmental entities, state agencies, and noneducation political subdivisions shall submit all projects which use any combination of general funds, federal funds, or cash funds for information technology purposes to the process established by sections 86-512 to 86-524. The commission may adopt policies that establish the format and minimum requirements for project submissions." Neb. Rev. Stat. § 86-516(5). In order to perform this review, the NITC and DAS Budget Division require agencies/entities to complete this form when requesting funding for technology projects.

2. **WHICH TECHNOLOGY BUDGET REQUESTS REQUIRE A PROJECT PROPOSAL FORM?** See NITC 1-202 available at http://nitc.ne.gov/standards/. Attachment A to that document establishes the minimum requirements for project submission.

3. **COMPLETING THE FORM IN THE NEBRASKA BUDGET REQUEST AND REPORTING SYSTEM (NBRRS).** Project proposals should only be submitted by entering the information into the NBRRS. The information requested in this Microsoft Word version of the form should be entered in the NBRRS in the "IT Project Proposal" section. The tabs in the "IT Project Proposal" section coincide with sections contained in this Microsoft Word version of the form. Information may be cut-and-pasted from this form or directly entered into the NBRRS. ALSO NOTE that for each "IT Project Proposal" created in the NBRRS, the submitting agency must prepare an "IT Issue" in the NBRRS to request funding for the project.

4. **QUESTIONS.** Contact the Office of the CIO/NITC at (402) 471-7984 or ocio.nitc@nebraska.gov

General Information

Project Title	Mainframe Migration
Agency (or entity)	Department of Roads

Contact Information for this Project:

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Executive Summary

The mainframe has been a valuable tool for the NDOR over the last 40 years. But as with all technologies, things change over time and organizations should evaluate the state of their applications; are we providing our users the functionality they need, are we doing it in a cost-effective manner and are we able to support these needs not just over the next few years but in the next 10 years or possibly longer.

That is what the NDOR is doing. We talked with our users about their current systems and their future needs and then looked at our current workforce and the ability to support this environment in the future as we face retirements and the ability to find the skills necessary to support the environment. We determined that the best course of action for the NDOR is to migrate our applications off of the mainframe to a platform we believe provides the functionality our users are looking for and also something that we are able to support in the future. Our plan is to create an RFP to hire an outside source either re-host or convert our mainframe applications to a technology centered on Microsoft and hosted by the Office of the CIO. An RFI has been completed that received two responses, which helped us in determining what we should budget for this project.

Goals, Objectives, and Projected Outcomes (15 Points)

1. **Describe the project, including:**
   - The goal of this project is to award an RFP to a vendor who will migrate applications from the mainframe to technology centered on Microsoft operating system, application servers and development tools. The specific objectives are;
     - Elimination of all IBM ZOS COBOL programs
     - Elimination of all IBM ZOS COBOL Batch and Report programs
     - Elimination of all IBM CICS systems
     - Elimination of all IBM DB2 and RACF
     - Elimination of dependency on IBM TSO

   There are currently multiple mainframe systems / applications consisting of approximately 1500 CICS programs with 1500 BMS maps, 1500 COBOL batch programs with 1500 procs and related 1500 JCL. There are 1300 DB2 tables which will be migrated to SQL Server 2012. We use MicroFocus tools including AppMaster Builder to generate the COBOL and BMS Maps.

- The beneficiaries of this project are the users at the NDOR who will gain additional functionality that is not available on a mainframe system and also the development team at the NDOR who will have one less development platform that they must support and maintain their skill set.
- The expected outcome of this project is all mainframe applications to be moved off the mainframe and to a Microsoft environment that will be hosted by the Office of the CIO (OCIO). We have not determined if this will be a re-host or conversion of the mainframe applications. We have not decided if we prefer to re-host the applications, convert them to Microsoft .NET framework or utilize a Commercial off the Shelf (COTS) system for a portion of the applications.

2. **Describe the measurement and assessment methods that will verify that the project outcomes have been achieved.**
Business Technology Support Division (BTSD) development staff and database staff will work with the vendor who is awarded the RFP to determine testing strategies and implementation schedules. Testing will need to be done not only by BTSD staff but also by users on the business side to compare output from various reports and if transactions are processed correctly. Comparisons will be done to the existing mainframe systems and once all parties are satisfied with the results we will work with the OCIO to eliminate the mainframe applications.

3. **Describe the project's relationship to your agency comprehensive information technology plan.**
This was included in our Agency IT plan which was submitted to the OCIO. It was included in previous versions as well but discussed as a future project. Within the past year we were able to complete and RFI to obtain more information on possible solutions. Our goal has been to reduce the number of tools our development, network and database staff must support to simplify their jobs and reduce their workload as well as reduce the time required to keep staff up-to-date on all the technologies that we currently support.

Project Justification / Business Case (25 Points)

4. **Provide the project justification in terms of tangible benefits (i.e. economic return on investment) and/or intangible benefits (e.g. additional services for customers).**
Intangible benefits will depend on the direction we want to go with the movement of the applications off the mainframe. Utilizing a COTS system would provide functionality that users currently do not have but may be a more expensive option. Re-hosting the applications would meet our goal of moving off the mainframe, but the current functionality would still exist until we were able to rewrite the applications. Converting the applications to the Microsoft .NET framework would have the applications in a language we want to support, but we would still have to rewrite the applications to provide new or additional functionality. This would give us a leg up on a re-hosting option but still require us to rewrite applications, just not as much time should be required. Either way it will move us off the mainframe and allow our IT staff to lessen the number of tools they are required to support and keep current in their skill set.

Data will be converted to SQL server tables instead of maintaining DB2 on the LAN. This will require some programming changes if we decide to choose a re-hosting option, which may increase the cost. Another one of our goals is to eliminate the need for DB2 and standardize on SQL for our database.

A large part of the justification is the cost savings. From our analysis, we see a savings of approximately $350,000 per year once we have moved our applications off the mainframe. I have attached the document showing how we came up with the calculation based off our current mainframe payments and what we would be charged by the OCIO for servers off the mainframe.

5. **Describe other solutions that were evaluated, including their strengths and weaknesses, and why they were rejected. Explain the implications of doing nothing and why this option is not acceptable.**
   We are still trying to decide what option we want to pursue. Re-hosting the applications moves us off the mainframe quicker and we begin to see cost savings sooner, but to provide additional functionality for users would take a longer time. Converting the applications to the Microsoft .NET framework would get us off the mainframe not as quickly as re-hosting, but would be faster for us to provide additional functionality for users. Utilizing COTS system(s) would take longer than the other two but the functionality for users would be faster.

   As mentioned earlier, we have processed an RFI which resulted in two responses. The cost range from these responses were $1.4 million to $2.5 million, with re-hosting on the low end and a proposed COTS solution on the high end. We are still evaluating which direction we would like to proceed.

6. **If the project is the result of a state or federal mandate, please specify the mandate being addressed.**
   This project is not the result of any mandate.

Technical Impact (20 Points)

7. **Describe how the project enhances, changes or replaces present technology systems, or implements a new technology system. Describe the technical elements of the project, including hardware, software, and communications requirements. Describe the strengths and weaknesses of the proposed solution.**
   When completed, this project will have accomplished one of our goals to move away from the mainframe and be in a Microsoft .NET framework that we are able to support now and into the future. C# will be the main programming language and the data will also be converted to SQL from DB2, which will match another one our goals which is to standardize on one database platform.

   Internally, we have already converted a few applications from the mainframe to our .NET framework. Our users are very happy with the added functionality, such as the ability to create a "spreadsheet look and feel" for our Accounting section with our Controller Division. Also, we have replaced other mainframe applications with COTS systems because our users wanted a more modern system that is more flexible.

   The argument can be made that the mainframe is a solid platform—which I will agree with—and will be around for years to come. But what we foresee is resources will be lacking and the ability to acquire them will become costly in the future. Unless something is done either with training or teaching as part of a curriculum in universities and colleges, this could be a problem for a number of agencies in my opinion.

8. **Address the following issues with respect to the proposed technology:**
   - **Describe the reliability, security and scalability (future needs for growth or adaptation) of the technology.**
   - **Address conformity with applicable NITC technical standards and guidelines (available at http://nitc.ne.gov/standards/) and generally accepted industry standards.**
   - **Address the compatibility with existing institutional and/or statewide infrastructure.**
     The applications and related data will be moved from one platform supported by the OCIO to another platform which is also supported by the OCIO, so therefore it will comply with all NITC standards and guidelines. The OCIO is also very flexible when it comes to future growth and

provides the redundancy and backups that we requested. We are requesting a demo, QA and production environment and will utilize our change management system to track changes as well.

Preliminary Plan for Implementation (10 Points)

9. **Describe the preliminary plans for implementing the project. Identify project sponsor(s) and examine stakeholder acceptance. Describe the project team, including their roles, responsibilities, and experience.**
   Project Sponsor – Bill Wehling, BTSD Division Head
   Project Manager – Maurice Vonasek
   Technical Leads – Rodney Gonnerman and Chuck Hanson
   Data Lead – Lou Anne Daugherty
   QA Lead – Cody Lusero
   Team members from the OCIO will be determined once we have awarded an RFP.
   Stakeholders are not only members of BTSD but also the users in each Division and District offices throughout the State. We will be working with them to setup test scenarios as well as signing off on project completion

10. **List the major milestones and/or deliverables and provide a timeline for completing each.**
    Since we have not completed the RFP I cannot give any dates but are key milestones will be;
    - o   All IBM ZOS COBOL programs moved off the mainframe.
    - o   All IBM ZOS COBOL Batch and Report programs moved off the mainframe.
    - o   All IBM CICS systems moved off the mainframe.
    - o   All IBM DB2 and RACF moved off the mainframe.
    - o   Mainframe accessed removed for NDOR

    These are the major milestones and once we have a contract signed, we will work with the vendor to refine these milestones and determine a better set of milestones taking into account the various applications and workload of the stakeholders, which will determine when they are available to assist us.

11. **Describe the training and staff development requirements.**
    Training will depend partially on the solution that we decide on and also the vendor we choose. For example, the vendor may have software that we must utilize for some time if we go with a re-hosting option and this will require some training to use their tool. Since the majority of our development staff is already well versed in the Microsoft .NET framework, very little training will be required. We do have a three developers that will need to be trained on the .NET tools.

    As for our stakeholders, our goal is that if we re-host or convert to the .NET framework the "look and feel" will be the same as their mainframe applications.

12. **Describe the ongoing support requirements.**
    Again, this will depend on the option that we will pursue which has not yet been determined. There may be software that we must utilize for some time or there may not. Support and maintenance of the applications and data will continue by BTSD staff until the applications are no longer used.

Risk Assessment (10 Points)

13. **Describe possible barriers and risks related to the project and the relative importance of each.**
    1. Selected vendor did not have a complete understanding of the project
    2. Vendor does not supply enough resources or their resources do not meet expectations
    3. Resources are unavailable from the stakeholders, BTSD or the OCIO

4. Personnel changes for various reasons such as promotions, transfers or personal issues
5. Issues with data conversion
6. Applications identified after the RFP process that were not part of the RFP

14. Identify strategies which have been developed to minimize risks.
    1. Try to have well defined requirements in the RFP that are specific along with other expectations.
    2. Have the required skills defined in the RFP and as part of the response require experience of those who will be involved in the project. If problems occur after vendor selection then meet with the vendor to discuss possible changes.
    3. Move responsibilities around within our own division and work with other divisions to determine when resources will be available and coordinate activities to best fit with the stakeholder's workload.
    4. This may require a change in schedule in order to get someone up to speed and also reassigning of duties.
    5. Work with the vendor to develop a solution. We should also do our best to map out a data migration plan as part of the RFP. Worst case scenario is we have to convert to DB2 and then move to SQL after the project is complete.
    6. Create a change request to add additional tasks or if tools are utilized by the vendor that we must purchase, do the conversion ourselves once the initial RFP is complete.

Financial Analysis and Budget (20 Points)

15. Financial Information

    The "Financial" information tab in the Nebraska Budget Request and Reporting System (NBRRS) is used to enter the financial information for this project (NOTE: For each IT Project Proposal created in the NBRRS, the submitting agency must prepare an "IT Issue" in the NBRRS to request funding for the project.)

Worksheet in Project
Proposal Form.xls

Nebraska Information Technology Commission
Project Proposal Form
Section 8: Financial Analysis and Budget

	Prior Expended	FY2015 Appr/Reappr	FY2016 Request	FY2017 Request	Future	Total
1. Personnel Costs						$ -
2. Contractual Services						
2.1 Design			$ 300,000.00	$ 300,000.00		$ 600,000.00
2.2 Programming			$ 700,000.00	$ 700,000.00		$ 1,400,000.00
2.3 Project Management			$ 200,000.00	$ 200,000.00		$ 400,000.00
2.4 Other						$ -
3. Supplies and Materials						$ -
4. Telecommunications						$ -
5. Training						$ -
6. Travel						$ -
7. Other Operating Costs						$ -
8. Capital Expenditures						
8.1 Hardware			$ 25,000.00	$ 25,000.00		$ 50,000.00
8.2 Software			$ 25,000.00	$ 25,000.00		$ 50,000.00
8.3 Network						$ -
8.4 Other						$ -
TOTAL COSTS	$ -	$ -	$ 1,250,000.00	$ 1,250,000.00	$ -	$ 2,500,000.00
General Funds						$ -
Cash Funds			$ 1,250,000.00	$ 1,250,000.00		$ 2,500,000.00
Federal Funds						$ -
Revolving Funds						$ -
Other Funds						$ -
TOTAL FUNDS	$ -	$ -	$ 1,250,000.00	$ 1,250,000.00	$ -	$ 2,500,000.00

Mainframe Data and Application Cost Estimate

CURRENT COST ESTIMATE:

Average Monthly Mainframe Expenses for last 24 months		=	$ 32,454
Assumption: $32,000 per month for mainframe usage			
Cost per Year:	($32,000/month) X (12 months)	=	$384,000
	TOTAL CURRENT COST	**=**	**$384,000**

FUTURE COST ESTIMATE:

Current Units on Mainframe:	134,461.67 cylinders (This is both data and applications)		
Converted to GB:	106.22 GB (This is for both production and test)		
Assumption:	Each environment is 55GB and we need PROD, QA and DEMO		
Space Requirement:	165 GB (55 GB X 3 Environments)		
Assumption:	12 Servers (4GB) will be required		
Cost per Year:	(165 GB) X ($0.20/GB/Month) X (12 Months)	=	$ 396
	(12 Servers) X ($127.50/Server) X (12 Months)	=	$ 18,360
	TOTAL FUTURE COST	=	$ 18,756
	ASSUMED FUTURE COST	**=**	**$ 20,000**

ASSUMED COST SAVINGS ESTIMATE PER YEAR:

$384,000 - $20,000	**=**	**$364,000**

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Project Title	**Stock Supply System**
Agency/Entity	**Department of Roads**

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General Information

Project Title	Stock Supply System
Agency (or entity)	Department of Roads

Contact Information for this Project:

Name	Bill Wehling
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City, State, Zip	Lincoln, NE 68502
Telephone	402-479-3986
E-mail Address	Bill.wehling@nebraska.gov

Executive Summary

The existing supply system application is mainframe based and has been in production for over 15 years. This has been a useful tool for the Procurement section of the Operations Division and it has made it easier for all Divisions and District to order supplies necessary for them to do their day to day operations.

As with all software applications and with hands on day-to-day operations, there comes a time when users determine new needs, see opportunities to make improvements and take advantage of newer technologies. Moving applications off of the mainframe is but one of the Business Technology Support Division's (BTSD) goals. NDOR is a Microsoft based shop utilizing newer technologies such as C#/.NET and SQL Server 2012 while our software development methodology follows the Agile practice.

The goal of this project is finding or developing a system to provide for a warehouse management system (WMS) of supplies that will replace the legacy Supply Inventory System (SUP). The goal is to have a system that will allow for inventory control/monitoring of stock, ordering, receiving, picking, replenishments, shipping and returns while utilizing Radio Frequency Identification (RF) devices or other similar electronic scanning functionality. The WMS should also provide substantial reporting features that will help with overall WMS management. I have attached a Business Process Modeling report produced in-house which outlines the current Stock Supply system and describes what NDOR had envisioned to be a suitable replacement for the current system.

Goals, Objectives, and Projected Outcomes (15 Points)

1. **Describe the project, including:**
   - **Specific goals;**
     - Eliminate as much paper as possible
     - Utilize electronic/digital signatures
     - A new and improved equation to determine how much should be ordered when a stock item needs to be replenished.

   - **and objectives;**
     - The system shall allow ease of use for end users when they are entering orders of product(s) to be fulfilled and delivered to their division, district or other entity in a timely manner.
     - The system shall allow for ease of use with open-order modification or order cancellation.

- The system shall provide for an application program interface (API) with NDOR's Cost (CST) & Roads Financial Edit (RFE) systems. When orders are processed or a return of merchandise back to inventory or return back to a supplier is necessary; the API will exchange information about the order. At minimum, the information sent to the CST/RFE systems; Item Number, Quantity, Unit of Measure, Activity Code, Account Code, Unit Cost, Highway Number, Beginning Reference Post, Ending Reference Post, Project Number, Structure Number (if applicable), Organizational Element (OE). This will allow NDOR to reflect inventory adjustments within the Cost Accounting system.
- The system shall be able to track multiple locations of an item in the Warehouse (tracking quantities for each location) and be able to allow multiple items in a bin location.
  (Includes locations for low units of measure (LUM), case and bulk items)
- The system shall allow for the use of barcode readers, bar code/label printing and accept the download of data from hand-held devices for such activities as receiving, puts, picks, cycle counts and shipping verification.
- The system shall be capable to allow for use of RF/RFID and bar coding technologies for retrieval or count purposes. (voice recognition technology is not required)
- System shall be able to direct "put aways" to a matching location otherwise allow for random storage based on physical item type with the system allowing for manual override. (Refer to storage policy/assignments listed in Current Environment overview)
- The system shall handle receiving/replenishment processes.
- The system will queue open purchase orders and allow for prompt by item number.
- The system shall provide the ability to create "pick" and "put away" event tasks with location, dates and stock numbers and associated bar code labels.
- The system will allow pickers to scan/fulfill orders with hand-held directed picking in various warehouse locations as well as those for the out-of doors yard locations.
- The system should have the ability to track and report product expiration and shelf life left.
- The system will provide the capability to manage pre-receipt shipments including those for pre-receipt rejected items which are awaiting resolution.
- The system shall provide the ability to track product being inspected before it is formally received including first article inspections. System should track all inspection data including stock number, quantity, inspection requirement and date of inspection.
- The system shall provide the ability to create, in an optimized geographic order, picks, puts away and cycle counts and allow for operator override.
- The system will not allow back orders. Orders are to be limited to available stock on hand.
- The system will allow for ease of maintenance of packing slips.
- The system shall be able to handle units of measure conversion processes as necessary.
- The system shall be able to process cycle counts by item or item location.
- The system must be able to operate all warehouse functions during the cycle count process.
- The system shall support user-friendly ad-hoc report writing and querying capabilities.
- The system will provide an on-line transaction trail of the various automated activities with search and review features.
- The system shall have the ability to track purchasing history to assist in determining stock replenishment needs.
- The system shall provide for measurement and reporting of employee productivity.
- The system shall provide authorization/security integration options.
- The system shall provide for ease of handling product returns from the Divisions/Districts.
- The system shall be able to print out packing slips for returns to vendors.
- The system shall provide for optimization of order fulfilment, picking, receiving, replenishing and shipping processes.
- The system will provide for substantial reporting features to aid in the management and administration of all WMS functions.
- System will be required to support 300+ concurrent users which include supervisors and clerks with an anticipated three system administrators.

- **Expected beneficiaries of the project**
  Users will be able to see the products they want to acquire while they are ordering. Currently, if they want to see what they want to order, the must go to a folder on one of our servers and find the item number so they can see a picture to make sure they are ordering the correct item. The pickers will be able to utilize scanners so they can minimize errors when taking items out of stock. Our procurement section will be able to monitor our supply easier and have more reporting capabilities than the current system.

- **Expected outcomes.**
  A system that will decrease the number of errors in our deliveries, allow us to do a better job of coordinating purchase, simplify the purchasing experience for our users, and make it easier to track supplies.

2. **Describe the measurement and assessment methods that will verify that the project outcomes have been achieved.**
   Track the number of calls received that orders were incorrect. After the system has been in place for three to six months, survey the users to see how they like the new system. Spot inventories to make sure items are located where they should be and the number of items matches what is shown in the inventory. How many times paper copies of the orders must be printed in order to complete an order. Over a period of one year, see how close our item inventories match with purchases based off the new equation that is developed for restocking our system and track the number of times items have been out of stock.

3. **Describe the project's relationship to your agency comprehensive information technology plan.**
   The NDOR has a goal of migrating what they have on a mainframe environment to a Microsoft based environment utilizing the Microsoft .NET framework and SQL Server for our database. We want to decrease the number of tools we have to maintain and support in our technology area. This RFP will look at purchasing a system that will allow us to eliminate a number of mainframe applications and databases without having to spend the time and effort converting them off of the mainframe.

Project Justification / Business Case (25 Points)

4. **Provide the project justification in terms of tangible benefits (i.e. economic return on investment) and/or intangible benefits (e.g. additional services for customers).**
   A new system that takes advantage of current technology will allow us to;
   1. Save money by taking less time to create orders
   2. Less time in correcting orders,
   3. Save money when the wrong items are ordered
   4. Save money so we do not order too many items which may run out of warranty and cannot be used.
   5. Save money so we do not order too few items which may run out and then cause delays in projects or maintenance repairs, which could lead to safety issues.
   6. Make it easier for the pickers to find their items and pick the correct amount by using scanners.
   7. Better user interface so people can see what they are ordering and see how many are in stock.

5. **Describe other solutions that were evaluated, including their strengths and weaknesses, and why they were rejected. Explain the implications of doing nothing and why this option is not acceptable.**

   We cannot do nothing because our users are not satisfied with the current system. There are a number of issues and they do not like the current interface or the fact they must go to multiple screens to accomplish a single task. It is also part of our technology plan to move away from the mainframe environment.

   We considered rewriting the application but we do not have experience in scanner technology. This would take a considerable amount of time to get developers up to speed. We also talked with DAS about the current JD Edwards system and we believe that JD Edwards will be responding to our RFP once it is ready for publishing.

6. **If the project is the result of a state or federal mandate, please specify the mandate being addressed.**

   This project is not the result of a state or federal mandate, but it is part of the NDOR's technology plan to move away from the mainframe environment.

Technical Impact (20 Points)

7. **Describe how the project enhances, changes or replaces present technology systems, or implements a new technology system. Describe the technical elements of the project, including hardware, software, and communications requirements. Describe the strengths and weaknesses of the proposed solution.**

   The project will replace a mainframe system which has a number of issues and is not user friendly. Reporting is a problem as well, with users not being able to run certain reports until a specific time or it will cause problems with the database and data must be recovered. Bar code scanners for the pickers to collect the items on orders will be new technology for us. We do utilize bar code scanners now to hardware inventory, but this will not only track but also work with orders as well and make sure they are completed properly. Depending on the solution, hardware and software may be required and we will utilize the OCIO server environment as needed. We will also need to purchase wireless access points to be placed in various places at our Operations location. These will need to be secured and we will work with the appropriate security teams as needed.

   The look and feel of the application will be a plus for our users and our Procurement section in the Operations Division. Being able to see what you are buying instead of having to open an explorer window to go to a server folder and lookup an item picture will save time. When talking with users, the look and feel of sites such as Amazon.com and Cornhusker State Industries were brought up as examples of what they would like to see in a new system.

   The new system will also need to communicate with our financial systems. Interfaces will need to be developed to send information back and forth between the systems such as purchase, unit costs, and report discrepancies if they are found.

8. **Address the following issues with respect to the proposed technology:**
   - **Describe the reliability, security and scalability (future needs for growth or adaptation) of the technology.**
   - **Address conformity with applicable NITC technical standards and guidelines (available at http://nitc.ne.gov/standards/) and generally accepted industry standards.**
   - **Address the compatibility with existing institutional and/or statewide infrastructure.**
     The applications and related data will be moved from one platform supported by the OCIO to another platform which is also supported by the OCIO, so therefore it will comply with all NITC

standards and guidelines. If a web-based solution is selected we may need to get an exception to the web policies if there is a conflict or see if the vendor can modify their website. The OCIO is also very flexible when it comes to future growth and provides the redundancy and backups that we requested.

Preliminary Plan for Implementation (10 Points)

9. **Describe the preliminary plans for implementing the project. Identify project sponsor(s) and examine stakeholder acceptance. Describe the project team, including their roles, responsibilities, and experience.**
    Project Sponsors – Tom Sands, Operations Division Head
    Project Manager – Maurice Vonasek, BTSD Project Management Officer
    Business Team Leader – Steve Biltoft, NDOR Materiel Control Manager
    Data Team Leader – Lou Anne Daugherty, NDOR Data Warehouse Manager or one of her staff
    Other stakeholders include; Procurement section in Operations, warehouse staff and pickers, accounting clerks in our Controller Division, and users of the system in Division and District offices.

10. List the major milestones and/or deliverables and provide a timeline for completing each.
    This one is difficult since we just completed an RFI and have not yet determined how we want to write the RFP. Speaking on a high level, major milestones after the RFP is awarded;
      System overview
          Identification of data and data sources
          Review of current system
      Development of user interface
      Development of system interfaces
      Conversion of data
      Bar code system developed
      Bar codes added to inventory items
      Training and Implementation plans developed
      Complete training
      Shut off the mainframe system and go live

11. **Describe the training and staff development requirements.**
    A number of training sessions will need to occur. Learning how to use the bar code scanners may take some time. Users will need to be trained on using the new system as well, but it should be limited if we can have a look and feel similar to other purchasing experiences they have had. We may have some who need a little more assistance but that can be done on a case by case basis.

12. **Describe the ongoing support requirements.**
    Frontline support will be done by members of the Procurement section in Operations Division. Anything that they cannot figure out will be sent to the vendor as part of an ongoing maintenance and support agreement. Issues with bar code scanners will need to be handled by the vendor. Interfaces that must be written could be handled by the vendor or by BTSD staff, depending on the cost and the language they are written in.

Risk Assessment (10 Points)

13. Describe possible barriers and risks related to the project and the relative importance of each.
1. Selected vendor did not have a complete understanding of the project
2. Vendor does not supply enough resources or their resources do not meet expectations
3. Resources are unavailable from the stakeholders, BTSD or the OCIO
4. Personnel changes for various reasons such as promotions, transfers or personal issues
5. Issues with data conversion
6. Applications identified after the RFP process that were not part of the RFP

14. Identify strategies which have been developed to minimize risks.
1. Try to have well defined requirements in the RFP that are specific along with other expectations.
2. Have the required skills defined in the RFP and as part of the response require experience of those who will be involved in the project. If problems occur after vendor selection then meet with the vendor to discuss possible changes.
3. Move responsibilities around within our own division and work with other divisions to determine when resources will be available and coordinate activities to best fit with the stakeholder's workload.
4. This may require a change in schedule in order to get someone up to speed and also reassigning of duties.
5. Work with the vendor to develop a solution. We should also do our best to map out a data migration plan as part of the RFP. Worst case scenario is we have to convert to DB2 and then move to SQL after the project is complete.
6. Create a change request to add additional tasks or if tools are utilized by the vendor that we must purchase, do the conversion ourselves once the initial RFP is complete.

Financial Analysis and Budget (20 Points)

15. Financial Information

    The "Financial" information tab in the Nebraska Budget Request and Reporting System (NBRRS) is used to enter the financial information for this project (NOTE: For each IT Project Proposal created in the NBRRS, the submitting agency must prepare an "IT Issue" in the NBRRS to request funding for the project.)

Worksheet in Project
Proposal Form.xls

Nebraska Information Technology Commission
Project Proposal Form
Section 8: Financial Analysis and Budget

	Prior Expended	FY2015 Appr/Reappr	FY2016 Request	FY2017 Request	Future	Total
1. Personnel Costs						$ -
2. Contractual Services						
2.1 Design			$ 75,000.00	$ 75,000.00		$ 150,000.00
2.2 Programming			$ 75,000.00	$ 75,000.00		$ 150,000.00
2.3 Project Management			$ 30,000.00	$ 30,000.00		$ 60,000.00
2.4 Other						$ -
3. Supplies and Materials						$ -
4. Telecommunications						$ -
5. Training						$ -
6. Travel						$ -
7. Other Operating Costs						$ -
8. Capital Expenditures						
8.1 Hardware			$ 20,000.00	$ 20,000.00		$ 40,000.00
8.2 Software			$ 100,000.00	$ 100,000.00		$ 200,000.00
8.3 Network						$ -
8.4 Other						$ -
TOTAL COSTS	$ -	$ -	$ 300,000.00	$ 300,000.00	$ -	$ 600,000.00
General Funds						$ -
Cash Funds			$ 300,000.00	$ 300,000.00		$ 600,000.00
Federal Funds						$ -
Revolving Funds						$ -
Other Funds						$ -
TOTAL FUNDS	$ -	$ -	$ 300,000.00	$ 300,000.00	$ -	$ 600,000.00

NDOR SUPPLY SYSTEM BUSINESS PROCESS MODELING

TEAM MEMBERS:

DARCY MELBYE   STEVE BILTOFT

JOHN LOCHNER   GLORIA RYKEN

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JUNE 27, 2014

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EXECUTIVE SUMMARY

The existing supply system application has been in production for over 15 years. While it has been a useful tool for not only the Procurement section of the Operations Division, but made it easier for all Divisions and District to order supplies necessary for them to do their day to day operations. But as with all software applications, there comes a time when users determine new needs and see opportunities to make improvements and take advantage of new technologies. Another factor to consider is the goal of BTSD to move all applications off of the mainframe. BTSD is looking at either rewriting applications or attempting to buy Commercial Off the Shelf (COTS) products.

So a team has spent the last year going over the existing applications and reviewing existing processes. Discussions also included the needs and goals of the system as well. The team then spent time developing how they want the processes to work in their new application. Mockups of certain screens were developed by the team to give either a vendor or development team an idea of what we are looking for in a new system.

SYSTEM GOALS AND NEEDS

Three ultimate goals were identified;

1) Eliminate as much paper as possible
2) Utilize electronic/digital signatures
3) A new and improved equation to determine how much should be ordered when a stock item needs to be replenished.

The first two goals are tied together. There are numerous copies of purchase orders and other documents that must be routed and signed off by a number of people. We want to be able to utilize workflow capabilities to rout documents for approval and allow supervisors and others to sign documents electronically.

The final goal is a new equation for replenishing stock items. This equation was developed a number of years ago, and is used to determine how much of an item should be ordered when the quantity on hand is at or below the minimum allowable. Appendix A shows the equation. As you can see, it utilizes the amounts issued, the minimum and maximum allowable amounts for the item and takes into account the time of year as well. The Operations Division, specifically the procurement unit, will need to come up with a new equation before any work can be done on the Ordering and Receiving Supplies process.

Appendix B is a list of needs that the team developed during their first meeting and into the second as well. This was a brainstorming list and there may be some similarities, but there are a number of great ideas that can improve their business and make life a lot easier for those who order supplies, maintain the supply base manage the warehouse. One of those ideas is to utilize scanning devices for when orders are taken from the warehouse, shipped and eventually delivered. Utilizing either bar codes or RFID (Radio Frequency Identification) tags could possibly help improve the picking process in the warehouse as well as ensuring deliveries are correct.

FIELD ORDERS/STOCK ORDERS; CURRENT AND FUTURE PROCESS

Appendix C is the existing process. In order to create an order, you must either search through the items in the system or look through a server folder (\\dorimage3\operations\Stockphotos) to view pictures of the items. Then they can place the order. The supervisor has to be told that they have an order to approve; there is no automatic notification. The only way that Stock Control knows orders have been submitted is by checking batch job submittals every fifteen minutes. A number of copies are made of each order with information being written on each order. Orders must be modified to show when they have been shipped, returned or back ordered.

The new system will allow users to view what it is they want to order while they are ordering it. Appendix D shows the new workflow. Notifications will be done using e-mail instead of having to print orders and giving to supervisors or calling them to let them know there are orders they must approve. The utilization of scanners will allow the verification that items that have been ordered, loaded and shipped to the proper locations. Mockups of screens were developed and will be discussed in a future section.

Consideration must also be given to external agencies that will be ordering supplies from us as well. The difference for them is they will be limited on what they can order and will not be allowed to return items.

ORDERING SUPPLIES: CURRENT AND FUTURE PROCESSES

Appendix E shows the existing process. This process involves creating a report to show how much of each stock item is on hand and then determining if it is time to replenish certain stock items. If the decision is yes, then there are multiple manual entries in the existing system and paper copies that are routed around. Phone calls or e-mails must be sent to various individuals who are responsible for checking orders or testing stock items to ensure they meet specifications.

The new system will notify them automatically when they are at or below the minimum number of items for each stock item. A decision will need to be made as to using just the defined minimum amount or a percentage within the minimum amount (e.g., within 10% of minimum) when notifications will start. A workflow component will be built in so when tasks are completed notification is sent automatically to the person who must complete the next task and so on. The M&R notification will not always be the same person or persons; it varies depending on what item needs to be tested. Having the M&R forms in the system as well would be a "nice to have" or the ability to upload and save them. The ability to save any e-mails would be needed as well. Appendix F shows the new process.

RETURNS: CURRENT AND FUTURE PROCESSES

Appendix G shows the current review process. There is a lot of manual entry into the system and notifications are done by phone or manually sending e-mails. Stock Control is not aware of any returns until they check batch job submittals, which is done every 15 minutes. Paper copies of the purchase orders are sent back and forth between Stock Control, Buyers and Controller as well. The process is the same for all types of returns.

The new process is slightly different depending on the type of return. Appendix H shows the process. It will show the previous orders of an individual and allow them to return all or parts of the order(s). Notifications to Stock Control will be automatic and routing of information will be electronic instead of shuffling paper. Another key notification is an e-mail to the person submitting the return if the item(s) have not been returned in fifteen days. If they have not returned the item(s) in thirty days, then they will be notified that the return will be deleted and Stock Control will be notified of the deletion as well.

BACK ORDERS: CURRENT AND FUTURE PROCESSES

Appendix I shows the current back order process. Reports must be printed off in order to see what is still on back order and the status of the inventory. As stock items are received, a decision needs to be made on what orders to fill. Then the system needs to be modified to finalled, shipped or still on back order.

The new process for back orders is that there will be no back orders. The goal is for the system to show the person ordering the amount that is on hand and not allowing any orders over the amount on hand. The system will also need to be dynamic so if two people are ordering it will update the amount if one person completes an order before the other. For example, there are 100 units on hand and two people are ordering. Person 1 needs 75 and person 2 needs 50. Person one completes their order for 75. When person 2 goes to submit their order, the system should tell them that there are now only 25 so they can only order 25 and must check back when more is on hand.

SIGN ORDERS; CURRENT AND FUTURE PROCESSES

Appendix J is the current Sign Order process. This process is only for signs that are not kept in stock by Stock Control and are special ordered through Cornhusker State Industries (CSI). This process will continue to be used. The only change they would like to implement would be to utilize bar codes or RFID tags to track the arrival and delivery of the signs to various offices. The process could be improved utilizing a workflow solution such as the State's enterprise process management system OnBase, but that would be a separate project after implementation of a new supply system.

Signs that are kept in stock will be purchased using the new process outlined in the "Field Orders/Stock Orders…" section on page 2.

INVENTORY MAINTENANCE FUNCTIONS

The ability to add, delete and modify stock items will be a requirement. This capability should only be done by Stock Control. Screen SUPX110 (Appendix K) is the screen used in the current mainframe system to update the inventory.

The team spent some time looking at the current inventory process as well. The process was mapped out in Appendix L. The process involves the printing and review of a number of reports and a person(s) physically counting inventory. Even with the improvements of a new system, there will still be a need to count inventory to ensure we have the proper amounts that are shown in the system. So the current process will remain in place. The only difference will be the generation of the reports. They may be done on demand and with no restrictions as to when the reports are generated. As with the old system, when it is time to do an inventory the system must be locked to not allow any purchases on items that are within the inventory area.

CONNECTIONS WITH FINANCIAL SYSTEMS

When requisitions are filled and marked as finalled, the information about what was purchased is sent to the Cost system. At a minimum, the information sent to the Cost system is the activity code, account code, the cost and the OE. Further investigation will be required to find out the exact information that is required by the cost system. We also discovered a connection to a PDS (Payroll Detail System) program. The Department is beginning a project to replace PDS with KRONOS and once that implementation is complete, we do not see a need for a connection to any payroll system. Further investigation should be completed to make sure this is a correct decision.

One requirement of the old system was the need to input Highway number and reference post when purchasing items. If certain activity or account codes were used, the person filling out the requisition was required to enter a Highway number and reference post (beginning/ending or only beginning). The team does not see a need for this requirement. When supplies are ordered, they are ordered in bulk because at that time, they do not know where they will be using those supplies. So when they are required to put in this information, it may not be used at the location listed or it is partially used at the location listed. If this information is transferred from the cost system to our Highway maintenance system (IHI), it is not accurate information; higher costs at one location and zero costs at other locations where the items may have been used. Another factor is the majority of costs in the supply system are not charged to a highway and reference post. Over the past year, only 6% of the $3.2 million spent out

of the supply system was charged in that manner. Therefore, the team recommends not requiring a Highway number and reference post for the supply system. If this information is required, it should be input on crew cards when the supplies are actually being used at the correct location.

REPORTING

The old system had a number of reports that were used and also a number that are no longer useful. Some of the reports were dependent on shutting the system down so no transactions can occur while the report is generated. This needs to be changed so reporting can be done at any time. The use of the NDOR reporting system, SQL Server Reporting Services (SSRS) should be looked at for reporting as well. The reports could be scheduled to generate on a schedule so users will not need to manually create the reports. The ability to create ad hoc reports is desired as well. Accessing the data to generate any type of report that could be used to help in making decisions about purchasing, budgeting, etc. are an important part of any system.

Appendix M contains examples of the various reports that are created in the current system. The first two pages of the appendix is a list of those reports, including if they are still required in the new system and additional information that they would like to have on various reports as well. The final three pages of the appendix is a process that is run by Controller Division to determine if there are any discrepancies between what was paid and what was charged. If discrepancies are found, Controller Division works with the Buyers in Operations Division to make the necessary corrections. Page M-31 is the JCL that Controller runs in order to generate the report on the final two pages.

In between the first two pages and the last three pages are the reports from the system. First is the back order report, which will no longer be needed with the new system but was included in the report for information only. The rest is divided between the daily, weekly, monthly and yearly reports. Some reports are found in multiple groups, such as SUPB290 is in both the monthly and yearly batch jobs as well as SUPB230, which is found in the daily and monthly reports.

ADMINISTRATIVE FUNCTIONS

There needs to be an administration portion that will allow the administrators of the system to add, remove or modify users of the system. They will need to allow users to create, modify and/or approve requisitions. The administrators of this application need to be determined. Someone or some group from Operations Division should be the administrators and that determination should be made by the Operations Division Manager.

MOCKUPS OF APPLICATION SCREENS

A number of mockups for new screens were developed. Appendix N shows the various screens that the team believes would make it easier for not only Stock Supply and Buyers but also the users throughout the Department.

The first page is two logon screens; one for internal and the other for external users. For the external users, their login limits them to what they are able to order out of the system. They are also not allowed to return items. Internal users will login and then select their location. Each user may be ordering for multiple locations or only one location. Their selection will determine where the order will be delivered.

Page two is the mockup of the new maintenance screen. In the mockup, pull-downs are used instead of typing in values and the ability to add a photo of the item instead of keeping a separate folder on a server which contains all the item photos. Also, an input field for the description that allows them more characters than the current system so they do not have to use abbreviations.

Pages three and four of the mockups show the screens for the ordering of supplies. Page three allows the user either search by entering keywords or picking a category and scrolling through the items. A thumbnail of the pictures can be hovered over to bring up a full scale copy of the image. They will be shown the amount on hand and then allowed to enter the quantity they want. They can click on the cart button and a drop down will show the items in their cart. When completed, they will click on the "Proceed to Checkout" which will take them to the screen on page four.

The screen on page four is the summary page and also where they would pick the activity code for each item. They can also change the number of items ordered as well and delete items before submitting their order.

The screens on pages five and six are for returns when items have been damaged. The page five screen allows them to choose a range of dates of their previous orders. Retention rules allow only three years of orders to be stored in the system. For all returns they must enter a reason for the return. When they click on "Process Return" they are taken to the screen on Page six.

The screen on page six shows the information on the return and generates a bar code that will be scanned when the item(s) are picked up and then when they are dropped off back at the warehouse in Lincoln. This form will be printed off and kept with item(s) being returned.

The screens on pages seven and eight are similar to the screens on page five and six with the exception that they are for surplus instead of damages. As with the previous screens, they must have a reason for wanting to surplus the items and print off the form with the bar codes to be returned with the items.

APPENDIX A – Stock Replenishment Equation

*July month 12

$$V = \frac{\text{Issued last} + \text{Issued this}}{\text{month } (2\mathbb{Z})} \, ?$$

I month lead time

$V * 7 \nearrow = $ what we need to order

$V * 3 = $ minimum amount

$2(V*3) = $ maximum amount
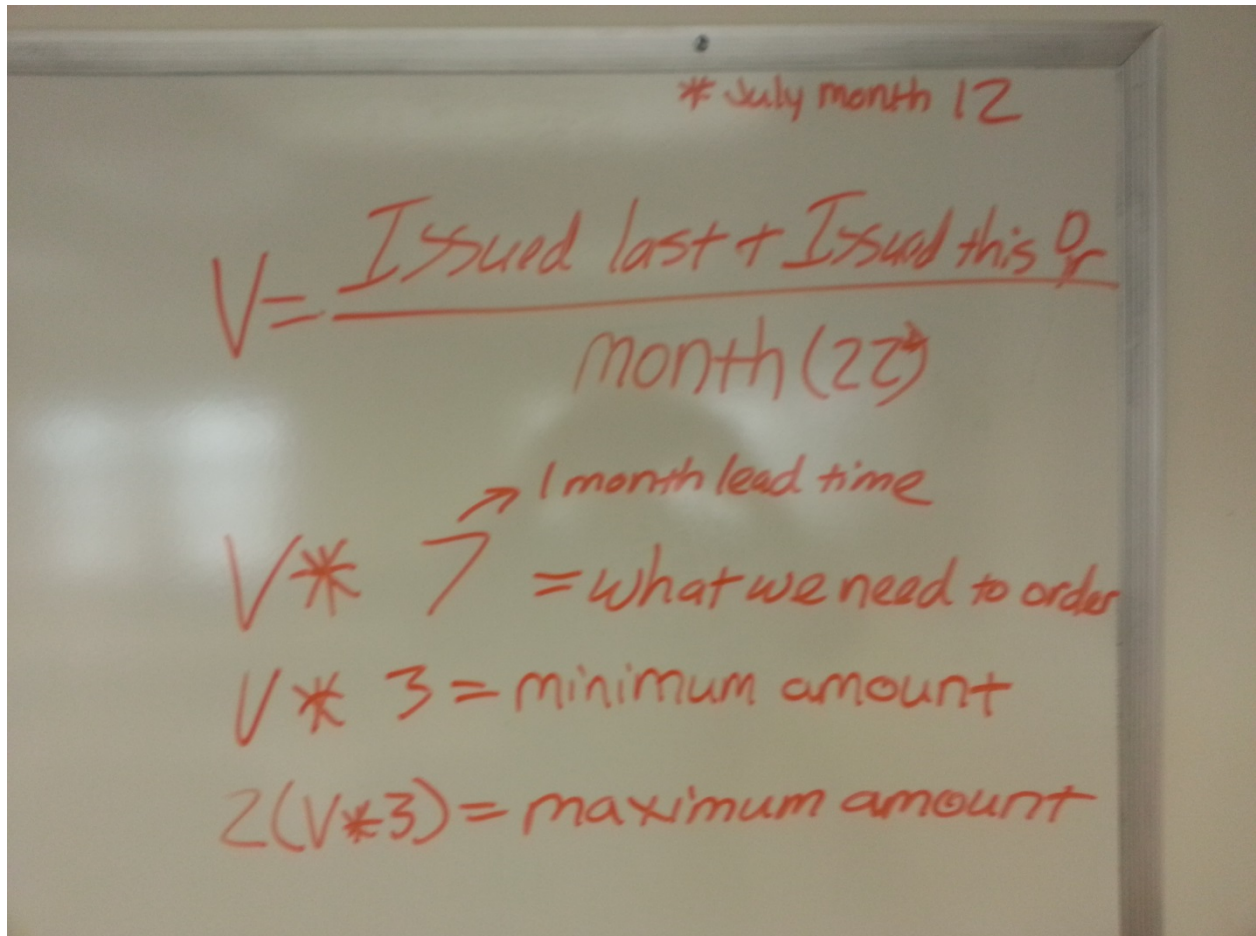
APPENDIX B – Supply System Needs

1) A better ordering process for Districts, Divisions and Procurement (including vendors)

2) Eliminate the requirement of a Highway Number and Reference Post for ordering certain stock items.

3) Improved delivery process

4) Utilize bar codes for individual items and groups (bundles, boxes, etc.)
   a. Match a manufacturer number/code with our number/code or
   b. Send manufacturer our bar code
   c. Would this allow us to eliminate class numbers and stock numbers?

5) Purchase orders include the vendor names, class numbers and stock numbers.

6) A search button on home screen and various item screens.

7) Back button on screens so you don't have to leave one to go to another then back.

8) A system similar to a Shopping Cart such as the CSI Nebraska website or NDOR Storefront.
   a. Order as many items as needed (Currently limited to six items per screen but unlimited number of pages as needed.)
   b. Tabs for each class code with items listed below with a brief description
   c. Click on an item gives a full description, picture, cost, unit-of-measure and if it is on back order
   d. Needs to have a back button to go back to the main screen

9) Need to have keywords for every item and must be able to modify them. Multiple keywords for each item to make it easier to find what you need.

10) User has the ability to change the quantity they want when selecting the items or during checkout.

11) Prices fluctuate so must be able to update prices during checkout and track different prices for similar items
   a. Example: Have 50 "X" at $5 each then order 100 "X" at $6 each. Need to keep them separate and not average the costs for all items.

12) Login process since orders are not only internal but by Cities and Counties as well.
   a. Allows us to differentiate between NDOR and Cities/Counties

13) Supervisors still must approve orders and returns internally
   a. Cities and Counties do not need approvals

APPENDIX B – Supply System Needs

14) Administrator function to add the people who order items and approvers including setting privileges.

15) Should we be charging shipping and handling on Cities and Counties?

16) Eliminate the need for a Back Order process.

17) Ability to check and uncheck items to allow them to be available or unavailable for purchasing
    a. Mainly for Cities and Counties so needs of Districts and Divisions are filled first

18) Items that have been deleted or modified must be archived according to the Operations Division's retention schedule

19) Can we setup procurement cards for Cities and Counties? Or use PayPal like we do for Storefront?

20) Automate the "Ship To" address
    a. Able to modify the address if needed
    b. Tied to the DOR number of City/County Name who logs in

21) System notifies Stock Control that orders are below the required amount

22) Ability to track purchase history to assist in determining stock needs

23) Ability to take into account seasonal factors for ordering

24) Tracking and notification of products which have a shelf life

25) Ability to override the maximum amount that can be ordered when replenishing what is kept in stock.

26) Credit given back to Districts and Divisions when they do returns and items are placed back in stock
    a. What if items are not placed back in stock?

27) Users have the ability to look at existing orders and mark as returning if needed
    a. Generate a return label for them
    b. Notify Stock Control about the return
    c. Credit is given at the purchase price
    d. Cities and Counties able to return items?

APPENDIX B – Supply System Needs

28) Notification sent to users that items must be returned within X days or the return will be cancelled

29) Ability to create on-demand reports
    a. Inventory value by class
    b. KP List Report for Controller Division
    c. Any item in stock by date, O.E., radio call number and stock number (or bar code)
    d. Sign orders and inventory
    e. History report on units of measure changes by item
    f. Daily and monthly adjustments
    g. History on items ordered individually or multiple items

APPENDIX C

Field Orders / Stock Orders – Page 1 of 4

DISTRICT

1 — District looks up stock number and class number — Note 1

2 — District enters Supply System. Adds item(s), OE, shipping address, radio call number & Activity. — SUPX130

3 — Order is completed. Requisition number written down.

4 — Supervisor is told that there are orders that must be approved. — Note 2

5 — Is the Order Correct? — Note 3 — Yes / No

6 — Order is corrected by the order originator or Supervisor calls Stock Control to change.

7 — Supervisor approves the order.

STOCK CONTROL

8 — Batch job submittals reviewed every 15 minutes for new requests. — SUPX130

9 — All approved requests are printed off. (SUPB100) — SUPX000; Opt. 9 SUPX150; Job 1

10 — Is the Quantity and/or U.O.M. correct? — Note 4 — Yes / No

11 — Order is changed by Stock Control.

12 — Check quantities in the Supply System to make sure enough is in stock.

13 — Does order put us below min. quantity? — Yes / No

14 — Re-order supply to meet or exceed minimum quantity. Begin "Ordering and Receiving Supplies" Workflow. — SUPX060

15 — Requisition printed and sent to the warehouse to be filled. — SUPX130

18 — Stock Control enters the shipment and number of items shipped into the system. — SUPX130

19 — Go To Page 2 of 4

WAREHOUSE

16 — Warehouse fills the requisition. Writes down the quantity shipped and Back Order amount if applicable.

17 — Warehouse makes a pink copy for their files. Sends requisition to Stock Control.

Note 1: They must search for the stock number in the system or utilize the stock photos located on the server which are grouped by class.

Note 2: Notification is done by direct contact or e-mail. If an order has not been approved within a week, Stock Control either calls or sends out e-mails.

Note 3: Supervisor must exit from approval screen and look up the requisition to review before he can approve.

Note 4: Sometimes calls are made to double-check the amount; this could be one out of every ten.

C-1

Field Orders / Stock Orders – Page 2 of 4

DISTRICT

30 — Delivery is checked/ reviewed by the District

31 — Was the delivery correct?

Yes / No

32 — End Process

33 — Go To Page 3 of 4

STOCK CONTROL

20 — From Page 1 of 4

21 — Was there enough in the Warehouse?

Yes / No

22 — Mark in system as a Back Order (B) or Partial Order (P). A line is automatically added to show partial amount. SUPX130

23 — Item 1 selected from Stock Requisition/ Return menu. Requisition number is entered. SUPX150

24 — SUPB100 is printed automatically

25 — Copy is filed until the Back Order is received.

26 — Begin Back Order Process

27 — Requisition is complete. Function in system changed to shipped (S) and marked Finalled (F). SUPX130

28 — Yellow copies of each request are printed off for the driver.

WAREHOUSE

29 — Driver completes delivery.

APPENDIX C

DISTRICT

37 District sends items back to Stock Control.

36 District Keeps or Returns Items?
- Returns
- Keeps

38 District contacts Stock Control about the items. — Note 6

43 District checks to see if item were misplaced or taken by someone else.

44 If items are not found the District will re-order or process a return. — Note 8

45 Process Ends

STOCK CONTROL

34 From Page 2 of 4

35 Missing Items or Additional Items? — Note 5
- Additional Items
- Missing Items

39 Stock Control creates a new requisition for the items. — SUPX130

40 Process Ends

41a Stock Control checks to find items. — Note 7

42 Were the items found?
- No
- Yes

46 Items are sent out.

47 Were the wrong items shipped initially?
- No
- Yes

48 Go To Page 4 of 4

WAREHOUSE

41b Warehouse checks to find items. — Note 7

Note 5: Additional items is defined as items that were not ordered or more of an item was received than what was ordered.

       Missing items is defined as items ordered were not received or less of an item was received than what was ordered.

Note 6: This rarely happens. Normally, the District keeps the items and Stock Control does not find out until they do an inventory and see a discrepancy.

Note 7: This would be a physical check of the Warehouse for the item; could be in the staging area, forgot to load it, dropped at the wrong spot or just plain gone.

Note 8: If no one can find the item the District can process a new order and the existing order will be changed to a return.

C-3

Field Orders / Stock Orders – Page 4 of 4

Swimlanes: DISTRICT | STOCK CONTROL | WAREHOUSE

49 From Page 3 of 4

50 Was the Item returned Within 30 days?

51 Stock Control deletes the requisition. Changes function to delete (D) & clicks F5 key to verify deletion. — SUPX130

52 District returns item after 30 Days?

53 District must go to the beginning of the return process.

54 End Process

55 Items placed back in stock.

56 Stock Status for item is printed and sent to the warehouse for item to be counted. SUPX000 Opt. 1 SUPX001; 2, Class, Stock # SUPX060

57 Warehouse sends Stock Status back to Stock Control.

58 Does Inventory match system?

59 Stock Control runs a requisition history. SUPX150; Job 2 Note 9

60 Was the error found?

61 Supply Manager does a physical count of the inventory.

62 Inventory is modified to show the correct amount. SUPX000 Opt. 6 SUPX001; 2, Class, Stock # SUPX060

63 Stock Control enters the quantity returned. Changes the Function to 'R' and marked Finalled (F). SUPX130

64 End Process

Note 9: This is very hard to do and time consuming. They must enter estimated begin and end dates then go through all requisitions to find the item and see what was ordered.

APPENDIX D

DISTRICT

1 Logs into the system. Main Menu appears. Note 1

2 Choose Location. Note 2

3 Select Search or Class Descr. ? → Class / Search

4 Display area updates. User scrolls to find item.

5 Enters Stock Number and/or keyword(s).

6 Select item and enter the desired quantity. Note 3

7 Add item to your shopping cart. Note 4

8 Shopping Complete? → Yes / No

9 Click on checkout button.

10 Review and change order if needed. Add coding if needed. Note 5

11 Add more items? → Yes / No

12 Click on Continue Shopping button.

13 Click on Submit Order.

WAREHOUSE

14 Item(s) on back order or below minimum? → Yes / No

17 Order sent to Warehouse printer.

18 Order placed in pick box to be filled.

19 Order filled. Bar code scanned on order form and item for verification.

21 Items placed in staging area with other items for each delivery site

22 Items for each site shrink-wrapped. Bar code created for entire package.

23 Original order form goes in tray for the driver.

24 Go To Page 2 of X

STOCK CONTROL

15 Notification sent to Stock Control

16 Go To the Ordering Supplies Process.

20 Stock Control receives paper copy of order.

Note 1: Need to distinguish between internal and external (Cities/Counties) users since some items may not be ordered by external users.

Note 2: Once logged in, this should display the available locations for delivery. Matrix showing users and their location needs to be developed. Some Maintenance Supervisors may have only one location.

Note 3: This needs to show how many items are available and if they are on back order as well. If they need more than what is available they can still order them but system must notify stock control of the back order so they can order more.

Note 4: When items are added to the shopping cart there should be an area on the screen that shows they have items in their cart and they can hover over it and see everything in their shopping cart.

Note 5: Here they would modify quantities or remove items. They would also add coding information such as Highway number, Begin Ref. Post and End Ref. Post. Ref. Post must be validated.

Field Orders / Stock Orders – Page 2 of 3

| DISTRICT | WAREHOUSE | STOCK CONTROL |

From Page 1 of 3
25

Driver Completes Delivery. Scans package bar code to confirm delivery.
26

Delivery is Checked / Reviewed by the District.
27

Was the Delivery Correct?
28

Yes → **End Process** 29

No → **Missing Items or Additional Items?** 30 — Note 5

Additional Items → **District Keeps or Returns Items?** 31

Missing Items →

Keeps → **District contacts Stock Control about the items.** 34 — Note 6

Returns → **District creates a Return in the System.** 32 → **Go To Page 3 of 3 Step 45** 33

Stock Control creates a new requisition for the items. 35

District checks to see if item were misplaced or taken by someone else. 39

If items are not found the District will re-order or process a return. 40 — Note 8

Process Ends 41

Items are sent out. 42

Were the items found? 38

Yes → **Items are sent out.** 42

No → **District checks to see if item were misplaced or taken by someone else.** 39

Warehouse checks to find items. 37a — Note 7

Stock Control checks to find items. 37b — Note 7

Were the wrong items shipped initially? 43

No → **Process Ends** 41

Yes → **Go To Page 3 of 3 Step 56** 44

Process Ends 36

Note 5: Additional items is defined as items that were not ordered or more of an item was received than what was ordered.
Missing items is defined as items ordered were not received or less of an item was received than what was ordered.

Note 6: This rarely happens. Normally, the District keeps the items and Stock Control does not find out until they do an inventory and see a discrepancy.

Note 7: This would be a physical check of the Warehouse for the item; could be in the staging area, forgot to load it, dropped at the wrong spot or just plain gone.

Note 8: If no one can find the item the District can process a new order and the existing order will be changed to a return.

Field Orders / Stock Orders – Page 3 of 3

DISTRICT

From Page 2 of 3 Step 44
56

District sends item back to Stock Control.
57

District returns item after 30 Days?
60

- No → **End Process** 61
- Yes → **District must go to the beginning of the return process.**
62

STOCK CONTROL

Was the Item returned Within 30 days?
58

- No → **System deletes the return request.** 59
- Yes →

Stock Control notified by System that Inventory has changed
49

Does Inventory match system?
50

- Yes → **End Process** 55
- No → **Stock Control runs a requisition history.** 51

Was the error found?
52

- Yes → **Stock Control modifies the inventory to show the correct amount.** 54
- No → **Supply Manager does a physical count of the inventory.** 53

WAREHOUSE

From Page 2 of 3 Step 33
45

Driver picks up item in District and scans bar code. Note 9
46

Item returned to Warehouse.
47

Item placed back on shelf and bar code scanned so item is back in inventory. Note 10
48

Note 9: When the bar code is scanned, this should stop the timer for the 30 day period that is allowed for returns.

Note 10: When bar code is scanned, this should adjust the inventory and send notification to Stock Control about the change.

APPENDIX E

Ordering and Receiving Supplies – Page 1 of 3

DISTRICT	STOCK SUPPLY	WAREHOUSE	BUYER

Node 1 — Weekly Report Generated. (Note 1)
SUPX060; #40 — 1

Node 2 — Decision: Quantity on hand at or below minimum? — 2
- No → **End Process** — 3
- Yes → Node 4

Node 4 — Enter Supply System. Query the Stock Number. Print a copy of the screen. SUPX060 — 4

Node 5 — Calculate how much we need to order using Stock Replenishment Equation. — 5

Node 6 — Purchase Order (P/O) filled out. Marked "To Be Tested" if required. Sent to Buyer. — 6

Node 7 — Item purchased. Buyer enters Vendor and Unit Price on P/O and returns P/O to Stock Control. Note 2 — 7

Node 8 — Enter Supply System. Enter P/O information and due date for arrival of supplies. SUPX140 — 8

Node 9 — Order Received. Warehouse checks and counts items. — 9

Node 10 — Go To Page 2 of 3 — 10

Note 1: This report can only be printed on Monday because it updates tables in the system when it is run.

Note 2: For Sign Orders that have a stock number, the Buyer receives the IBT from CSI and sends to Controller Division.

E-1

Ordering and Receiving Supplies – Page 2 of 3

BUYER

- 16 — Buyer Contact Vendor.
- 17 — Contract or Non-contract?
  - Contract → 18 — Vendor replaces items.
  - Non-contract → 19 — Vendor replaces or a new vendor is found.
- 20 — If new vendor is found, P/O modified by Buyer, Stock Control is notified
- 27 — Buyer Contacts the Vendor
- 28 — Will we receive the rest of the order?
  - Yes → 29
  - No → 22

WAREHOUSE

- 30 — Order Received. Warehouse checks and counts items.
- 31 — Go To Step 12 on this Page

STOCK SUPPLY

- 11 — From Page 1 of 3
- 12 — Item Require Testing?
  - Yes → 13
  - No → 21
- 13 — Note 3 E-mail or form received from M & R testing technician.
- 14 — Item Pass Testing?
  - Yes → 21
  - No → 15
- 15 — Stock Control contacts Buyer.
- 21 — Order Correct?
  - Yes → 22
  - No → 26
- 22 — Enter Supply System and mark order as final. SUPX140
- 23 — Inventory on hand in system is updated.
- 24 — Copy of P/O kept. Filed by Stock No. Original P/O sent to Buyer
- 25 — Go To Page 3 of 3
- 26 — Is it a back order?
  - Yes → 29
  - No → 27
- 29 — Enter Supply System and mark order as a partial (P).

Note 3: Various units in M&R perform the testing depending on the item that is ordered. Some send an e-mail and others send a form to denote if the item does or does not pass.

Ordering and Receiving Supplies – Page 3 of 3

STOCK SUPPLY

From Page 2 of 3 Step 23
32

Stock Control adjusts the Unit Cost.
SUPX000; OPT 8
SUPX170
35

Stock Control adjusts the Unit Cost.
SUPX000; OPT 8
SUPX170
42

BUYER

Amount Correct?
33

Yes / No

Buyer contacts Stock Control to adjust the Unit Cost.
34

Contract or Non-contract?
36

Contract / Non-contract

Buyer sends original P/O to Controller. Files a copy by Vendor Name
Note 4
37a

Buyer enters P/O data into RPS. Copy of P/O filed by Vendor Name. Original P/O sent to Controller.
37b

Buyer informs Controller corrections have been made.
43

Buyer contacts Stock Control to adjust the Unit Cost.
41

CONTROLLER

Controller checks P/O with Supply System Information.
38   Note 5

Amount Correct?
39

Yes / No

Controller contacts Buyer for corrections.
40

Controller enters P/O data into RPS.
44

Controller authorizes P/O and files P/O by Disbursement Document Number.
45

Non-contract / Contract

End Process
46

Note 4: IBTs that are received from CSI for Sign Orders that have a stock number are handles this way as well.

Note 5: This is done by checking what is entered on the Purchase Order with what is entered into the Supply System, RPS and E1 or NIS.

E-3

APPENDIX F

Ordering and Receiving Supplies – Page 1 of 3

STOCK SUPPLY

2. Order makes quantity below minimum amount.

1. Restock or District Order?
   - Order
   - Restock

3. E-mail sent to Stock Control. Clicks on link. Note 1

4. Link brings up purchase request in system. Note 2

5. Stock Control logs into system. Selects Purchase. Note 2

6. Select Search or Class Descr.?
   - Search
   - Class

8. Enters Stock Number and/or keyword(s).

7. Display area updates. User scrolls to find item.

9. Select item and enter the desired quantity. Box checked if testing is required. Note 3

10. Add item to your shopping cart. Note 4

11. Shopping Complete?
   - Yes
   - No

12. Go To Step 6 on This Page.

13. Click on checkout button.

14. Review and change order if needed. Add coding if needed. Note 5

15. Add more items?
   - Yes
   - No

16. Click on Continue Shopping button.

17. Go To Step 6 on This Page.

18. Click on Submit Order.

BUYER

19. E-mail sent to buyer to purchase item.

20. Buyer logs into system. Selects Purchase.

21. Purchases awaiting approval are displayed. Note 6

22. Go To Page 2 of 3

Note 1: E-mail should state quantity on hand, minimum quantity and maximum quantity allowed for the item.

Note 2: Stock Control sets maximum and minimum limits on the amount of each stock item.

Note 3: This needs to show how many items are available and if they are on back order as well.

Note 4: When items are added to the shopping cart there should be an area on the screen that shows they have items in their cart and they can hover over it and see everything in their shopping cart.

Note 5: Here they would modify quantities or remove items. They would also add coding information such as Highway number, Begin Ref. Post and End Ref. Post. Ref. Post must be validated.

Note 6: If purchase has not been approved by the Buyer within 7 days then Stock Control must be notified.

F-1

Ordering and Receiving Supplies – Page 2 of 3

STOCK SUPPLY

BUYER

29 System updates order as received.

30 Stock Control e-mailed that order is received.

31 Item Require Testing?

32 E-mail sent to M&R testing technician — Note 8

33 M&R testing technician logs into system. Completes testing form.

34 Item Pass Testing?

35 System notifies Buyer and Stock Control item did not pass testing.

42 Order Correct?

43 Stock Control logs into system. Marks order as closed.

44 System updates inventory on hand.

45 System notifies Buyer and Controller that order has been closed.

46 Go To Page 3 of 3

47 Is it a back order?

48 Buyer contacts the vendor.

49 Vendor send the rest of the order?

50 Go To Step 43 on this Page.

51 Stock Control updates inventory. Updates purchase with new due date.

27 Warehouse receives the order.

28 Warehouse scans and counts each item.

23 From Page 1 of 3 Step 22

24 Buyer opens purchase. Changes Quantity if necessary.

25 Order submitted to vendor.

26 Buyer opens purchase. Adds in vendor name and due date. — Note 7

36 Buyer contacts the vendor.

37 Contract or Non-Contract

38 Vendor replaces items.

39 Vendor replaces items or a new vendor is found.

40 Buyer opens purchase. Modifies vendor name and due date.

41 Go To Step 27 on this Page.

Note 7: A report will need to be developed that will show the due date for all purchases and change color; one color for past due and another color for back orders. The report should include the Item(s), Vendor Name, Quantity and NDOR P/O number.

Note 8: Technician who receives the e-mail depends on what item will be tested. Each item tested needs to have the technician stored as part of the metadata.

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Ordering and Receiving Supplies – Page 3 of 3

STOCK SUPPLY

BUYER

52 — From Page 2 of 3 Step 44

53 — Amount Correct?
- No → **54** — Buyer logs into system and adjusts the Unit Cost.
- Yes → **55**

55 — Contract or Non-contract
- Contract → **56a** — Buyer logs into E1 and enters the P/O data. Note 9
- Non-contract → **56b** — Buyer logs into RPS and enters P/O data.

57 — Buyer scan invoice from vendor.

58 — Buyer logs into system. Uploads scanned invoice into purchase request.

63 — Buyer logs into system and adjusts the Unit Cost.

64 — Return to Step 57 on this Page.

CONTROLLER

59 — Controller receives e-mail that P/O information is ready.

60 — Controller logs into system and opens purchase. Checks it with E1 and RPS. Note 10

61 — Amount Correct?
- No → **62** — Controller contacts Buyer for corrections.
- Yes → **65a / 65b**

65a — Controller logs into RPS and authorizes the P/O. (Non-contract)

65b — Contoller logs into RPS and enters the P/O data. (Contract)

66 — Controller logs into system and downloads P/O and scanned invoice.

67 — End Process

Note 9: IBTs that are received from CSI for Sign Orders that have a stock number are handled this way as well.

Note 10: Controller views the P/O data and the scanned invoice along with what has been entered into E1 and RPS. Possible to view E1 and RPS data in the system without having to open those apps separately?

Returning Inventory – Page 1 of 3

Lanes: DISTRICT | STOCK CONTROL | WAREHOUSE

DISTRICT

1. Note 1 — District enters Supply System. Requisition Type = 2. SUPX130
2. Return is completed. Requisition number written down.
3. Supervisor is told that there are returns that must be approved. Note 2
4. Note 3 — Is the Return Correct? (Yes / No)
5. Return is corrected by the order originator or Supervisor calls Stock Control to change.
6. Supervisor approves the order.
18. District must go to the beginning of the return process.

STOCK CONTROL

7. Batch job submittals reviewed every 15 minutes for new requests. SUPX130
8. All approved requests are printed off. (SUPB100) SUPX000; Opt. 9 SUPX150; Job 1
9. Note 4 — Is the Item Defective? (Yes / No)
10. Go To Page 3 of 3
11. Was the Item returned Within 30 days? (Yes / No)
12. Items placed back in stock. SUPX130
13. Stock Status for item is printed and sent to the warehouse for item to be counted. SUPX000 Opt. 1 SUPX001; 2, Class, Stock # SUPX060
16. Stock Control deletes the requisition. Changes function to delete (D) & clicks F5 key to verify deletion. SUPX130
17. District returns item after 30 Days? (Yes / No)
19. End Process

WAREHOUSE

14. Warehouse sends Stock Status back to Stock Control.
15. Go To Page 2 of 3

Notes:

Note 1: This could be a return or the correction of a mis-entry. This could be done by Stock Control, a District or a Division.

Note 2: Notification is done by direct contact or e-mail. If return has not been approved within a week Stock Control will e-mail or call someone.

Note 3: Supervisor must exit from approval screen and look up the requisition to review before he can approve.

Note 4: This could mean the item is damaged, defective or the wrong item was shipped. This is difficult to determine. Calls must be made to determine or they put a comment in the "Shipped to/Received from" box on Screen SUPX130.

Returning Inventory – Page 2 of 3

| DISTRICT | STOCK CONTROL | WAREHOUSE |

20 — From Page 1 of 3 Step 19

21 — Does Inventory match system?

- Yes →
- No →

22 — Stock Control enters the quantity returned. Changes the Function to "R" and marked Finalled (F). SUPX130

23 — End Process

Note 5

24 — Stock Control runs a requisition history. SUPX150; Job 2

25 — Was the error found?

- Yes →
- No →

26 — Supply Manager does a physical count of the inventory.

27 — Inventory is modified to show the correct amount. SUPX000 Opt. 6 SUPX001; 2, Class, Stock # SUPX060

28 — End Process

Note 5: This is very hard to do and time consuming. They must enter estimated begin and end dates then go through all requisitions to find the item and see what was ordered.

Returning Inventory – Page 3 of 3

DISTRICT

WAREHOUSE

STOCK SUPPLY

BUYER

District returns the defective items.
41

Warehouse checks to see if number of items in stock is correct and informs Stock Control.
42

Stock Control informs Buyer the items are back in the Warehouse.
43

**End Process
Begin Back Order Process**
46

Vendor sends replacement items. May or may not take back defective items. Note 8
45

Back Order Process is followed by Stock Control to account for items being replaced.
40

Buyer contacts vendor that items have been returned.
44

Stock Control informs Warehouse and Districts to check inventory for defective items.
39

Note 6
Stock Control fills out requisition for surplus. Change codes to OE = 904 and Activity = 4701. SUPX130
34

End Process
35

Buyer informs Stock Control the item will not be replaced.
33

Yes

No

Items been shipped out to Districts?
38

Item damaged, wrong or defective?
32

Damaged

Wrong Item or Defective

Note 5
Stock Control runs a requisition history. SUPX150; Job 2
37

Buyer checks to see if item is under warranty, the wrong item was shipped, the item was damaged or if item is defective.
31

Stock Control informed the item will be replaced.
36

From Page 1 of 3 Step 10
29

Item is Defective

Buyer is contacted.
30

Note 5: This is very hard to do and time consuming. They must enter estimated begin and end dates then go through all requisitions to find the item and see what was ordered.

Note 6: As stated in Note 4, there is no area for comments on Screen SUPX130 so they are put into the "Shipped to/Received from" box.

Note 7: This could also be done by the Districts as a return requisition and then creating a new field order/stock order requisition.

Note 8: If the vendor does not take the items they are thrown away and nothing is done to the system since the net change in inventory will be zero.

Returns – Page 1 of 4

DISTRICT

1 — Logs into the system. Main Menu appears. Note 1

2 — Choose Location. Clicks on "Returns". Note 2

3 — Damaged Selected?
- Yes → **4** Go To Page 2 of 4 Step 11
- No ↓

5 — Surplus Selected?
- Yes → **6** Go To Page 3 of 4 Step 27
- No ↓

7 — Solvent Selected?
- Yes → **8** Go To Page 4 of 4 Step 45
- No → **9** Go To Page 4 of 4 Step 55

RETURN PROCESS

A — From Page 2 Step Y

A — From Page 3 Step Z

B — System show return as "Submitted". Stores date it was submitted by the user.

C — Items picked up in 15 days?
- Yes → Items picked up in 30 days? (**E**)
- No → **D** E-mail sent to User telling them they have 15 days to return item(s).

D → **E** — Items picked up in 30 days?
- Yes → Driver scans bar code. Time tracking stops. System changes return to "Pending". (**H**)
- No → **G** E-mail sent to Stock Control telling them return has been deleted.

F — E-mail sent to User telling them return has been deleted and they must create a new return.

H — Driver scans bar code. Time tracking stops. System changes return to "Pending".

I — Driver drops off item at the Warehouse.

J — Warehouse scans bar code. System changes return to "Closed".

K — Process Ends

G → **K**

Note 1: Need to distinguish between internal and external (Cities/Counties) users since some items may not be ordered by external users.

Note 2: Once logged in, this should display the available locations for delivery. Matrix showing users and their location needs to be developed. Some Maintenance Supervisors may have only one location.

Returns – Page 2 of 4

DISTRICT

From Page 1 of 4 Step 4
11

Previous Orders Displayed. Option to narrow search by items or date range.
12   Note 3

User selects item(s) and enters reason for the return.
13   Note 4

User submits the return for damaged item(s).
14

User prints form with bar code for each item to be returned.
16

Items placed in pickup area for Warehouse Driver with bar code form.
17

Go To Page 1 Step A
Y

WAREHOUSE

E-mail sent to Warehouse notifying them of damaged item(s) returning.
15

Driver scans bar code(s) and item(s). Loads item(s) onto truck.
18

Items returned to Warehouse. Stock Control is notified.
19

Item(s) scanned and loaded onto truck for delivery.
24

Driver Completes Delivery. Scans package bar code to confirm delivery.
25

Process Ends
26

STOCK CONTROL

E-mail sent to Stock Control notifying them of damaged item(s) returning.
15

Note 5 Item to be replaced?
20

Stock Control adjusts the inventory to reflect the change.
21

Inventory count sent to Warehouse to check.
22   Note 6

Item(s) received. Bar codes placed on items and placed in the shipping area.
23

No

Yes

Note 3: All orders displayed and they can scroll through them. They can narrow the search by using a Begin/End Calendar or searching on items using keywords. Retention period for orders will be three years.

Note 4: When the user selects an item and enters the number to return, they need a box where they can enter the reason for the return.

Note 5: This could be that the item(s) was under warranty or was defective. Buyer will work with the vendor to obtain the replacement items.

Note 6: Warehouse will do a physical inventory to see if the database matches the number of items in stock. If not, they will inform Stock Control who will make the update to the inventory.

Returns – Page 3 of 4

DISTRICT

From Page 1 of 4 Step 6
27

Previous Orders Displayed. Option to narrow search by items or date range. Note 7
28

User selects item(s)
29

User submits the return for surplus item(s).
30

User prints form with bar code for each item to be returned.
32

Items placed in pickup area for Warehouse Driver with bar code form.
33

Go To Page 1 Step A Z

WAREHOUSE

E-mail sent to Warehouse notifying them of surplused item(s).
31

Driver scans bar code(s) and Loads item(s) onto truck.
34

Items returned to Warehouse. Stock Control is notified.
35

STOCK CONTROL

E-mail sent to Stock Control notifying them of surplused item(s). Note 8
31

Existing Stock Item?
36

No

Yes

Create New Stock Item?
37

No

Yes

Create New Stock Item following the "Add Inventory" process.
38

Note 9 Item(s) still useful?
39

No

Yes

Stock Control adjusts the inventory to reflect the change.
40

Stock Control notifies Surplus that the item will not be surplused.
41

Inventory count sent to Warehouse to check. Note 10
42

Stock Control notifies Surplus to pick up the item at the Warehouse.
43

Process Ends
44

Note 7: All orders displayed and they can scroll through them. They can narrow the search by using a Begin/End Calendar or searching on items using keywords.

Note 8: E-mail also sent to Surplus Manager so they are aware items will be received.

Note 9: Stock Control will check to see if the item can be placed back in inventory before it is sent to surplus.

Note 10: Warehouse will do a physical inventory to see if the database matches the number of items in stock. If not, they will inform Stock Control who will make the update to the inventory.

Returns – Page 4 of 4

DISTRICT

From Page 1 of 4 Step 8 — 45

Solvent Item displays. User enters the quantity that is being sent in. — 46

User submits the return. — 47

User prints form with bar code and MSDS for solvent. Note 12 — 49

Items placed in pickup area for Warehouse Driver with bar code form and MSDS. — 50

From Page 1 of 4 Step 9 — 55

Dialog box displays for input of items that do not have stock numbers. — 56

User inputs item(s) to be returned and submits the return. — 57

User prints form with bar code and MSDS if necessary. Note 12 — 59

Items placed in pickup area for Warehouse Driver with bar code form and MSDS. — 60

WAREHOUSE

E-mail sent to Warehouse notifying them of surplused item(s). — 48

Driver scans bar code(s) and item(s). Loads item(s) onto truck. — 51

Items returned to Warehouse. Bar codes scanned. — 52

E-mail sent to Warehouse notifying them of surplused item(s). — 58

Driver scans bar code(s) and item(s). Loads item(s) onto truck. — 61

Items returned to Warehouse. Bar codes scanned. — 62

STOCK CONTROL

E-mail sent to Stock Control notifying them of surplused item(s). Note 11 — 48

E-mail sent to Stock Control notifying the item(s) are in the Warehouse. Note 1 — 53

Process Ends — 54

E-mail sent to Stock Control notifying them of surplused item(s). Note 13 — 58

E-mail sent to Stock Control notifying the item(s) are in the Warehouse. — 63

Stock Control determines what needs to be done with item(s) and notifies appropriate areas. — 64

Process Ends — 65

Note 11: E-mail also sent to Operations Maintenance Engineer and Operations Highway Biologist.

Note 12: MSDS stands for Material Safety Data Sheet. It must accompany any hazardous material that is transported in case of an accidental spill.

Note 13: Depending on what is being returned, Stock Control may notify others as well.

Back Order Process

WAREHOUSE	STOCK SUPPLY	BUYER

1 — Note 1
Daily Report (SUPB370) Printed.
SUPX150: #20

2 — Note 2
Inventory is checked.
SUPX001
SUPX060
SUPX040

3 — Is the Back Order item now on hand?

4 — Stock Control contacts the Buyer

5 — Buyer contacts the vendor.

6 — Buyer informs Stock Control when item will be delivered.

7 — Stock Control enters a new due date for the item.
SUPX140

8 — Did we receive all items?

9 — Fill as many orders as possible.

10 — Change all orders to show the additional items shipped.
SUPX140

11 — Mark orders as Back Orders (B) and mark as Shipped (S). A line is added automatically to show partial amount.
SUPX140

12 — Change all orders to show the additional items shipped.
SUPX140

13 — Change all orders to Final(F) and mark as Shipped (S)
SUPX140

14 — End Process

Note 1: Before printing this report, they must enter the same date in two places.

Note 2: Only one line is shown for each existing P/O so it doesn't show everything on the P/O

Note 3: Since the Daily Report can only be run once a day, the changes made in steps 7 and 11 will not be seen in the daily report until the next day.

APPENDIX J

Sign Orders Not Part of Inventory – Page 1 of 2

TRAFFIC

- **6** — Traffic e-mails District. Tells them to modify the request.
- **7** — Traffic Detail Required? (Yes → 8) (No → 9)
- **8** — Traffic Detail is drawn.
- **5** — Is the Order Correct? (No → 6) (Yes → 7)
- **4** — Traffic Reviews Request. Makes necessary changes. Note 1
- **9** — Order is approved.
- **10** — Order is scanned and placed on the server for Controller to access in the future.
- **11** — Order is sent to CSI to be filled.
- **12** — CSI makes the signs.

DISTRICT

- **1** — District completes the Sign Order Form (DR120)
- **2** — Sign Order Form approved by Superintendent.
- **3** — Sign Order Form e-mailed to Traffic Division and copied to Superintendent.

WAREHOUSE

- **13** — Warehouse receives the order from CSI.
- **14a** — Go To Page 2 of 2

BUYER

- **Buyer receives invoice from CSI**
- **14b** — Go To Page 2 of 2

Note 1: Traffic will adjust the order for a number of reasons such as size or color.

J-1

Sign Orders Not Part of Inventory – Page 2 of 2

DISTRICT	WAREHOUSE	BUYER	CONTROLLER

30 — End Process

29 — Controller approves payment in RPS. Note 3

28 — Controller completes the pre-audit to authorize payment. Note 3

27 — Controller enters the data into RPS. Note 3

26 — District sends the information back to Controller along with the coding.

25 — District approves the invoice.

24 — Controller sends the information to the Districts for approval

23 — Controller matches the invoice with the Sign Order form.

22 — Controller downloads Sign Order form from Traffic Server.

21 — Controller receives invoice from the Buyer.

20 — District Receives the Order.

19 — Order is shipped to the District.

18 — Order is held until it is corrected. Note 2

17 — Warehouse contacts CSI.

16 — Is the Order Correct? Yes / No

15a — From Page 1 of 2

15b — From Page 1 of 2

Note 2: This could be that the order was not correct or only part of the order was received.

Note 3: Steps 27, 28 and 29 cannot be done by the same person. One person may do step 27 but another must do steps 28 and 29 for auditing purposes.

APPENDIX K

```
SUPX110                    SUPPLY INVENTORY SYSTEM              06/05/13
                           INVENTORY MASTER     QUERY           15:50:44


   FUNCTION: Q QUERY



   CLASS/STOCK NUMBER: 85 - 43200



   KEY WORD................. REFLECTOR
   ITEM DESCRIPTION......... DELINEATOR YELLOW 3" DIAMETER 40/RL,640/CS
   PART NUMBER.............. KEEP MAX=3000
   UNIT OF MEASURE.......... EA (EACH)
   SPECIAL CODING...........      T
   ACCOUNT CODE............. 4344
   MONTHS LEAD TIME.........  1
   MINIMUM BALANCE..........        1,500
   MAXIMUM BALANCE..........        3,000
   QUANTITY ON HAND.........        3,640
   DATE LAST ISSUED (MDY)... 06-05-2013
   BEGINNING YEAR QUANTITY..        4,360
   QUANTITY ISSUED THIS YR..        6,480
   QUANTITY ISSUED LAST YR..       17,200
   UNIT AVERAGE PRICE.......           0.5339
   TOTAL VALUE..............        1,943.40
   TOTAL BACK ORDER REQ QTY.           0
   WEEKS ON BACK ORDER......  0
   TIMES ON BACK ORDER......  3
   PRINT BIN LABEL.......... N (Y=YES N=NO)


   TOTAL QTY ON P.O.'S......           0
       P.O. NUMBERS ISSUED..
       P.O. QUANTITIES.....
       P.O. DUE IN DATE.....



   LAST UPDATE ID/DATE: DR11026 02-14-2013

 PF1 =          PF2 =          PF3 =SUPMENU PF4 =          PF5 =          PF6 =
 PF7 =          PF8 =          PF9 =          PF10=          PF11=          PF12=CLEAR

 QUERY COMPLETE
 MA  +   a                                                          05/013
```
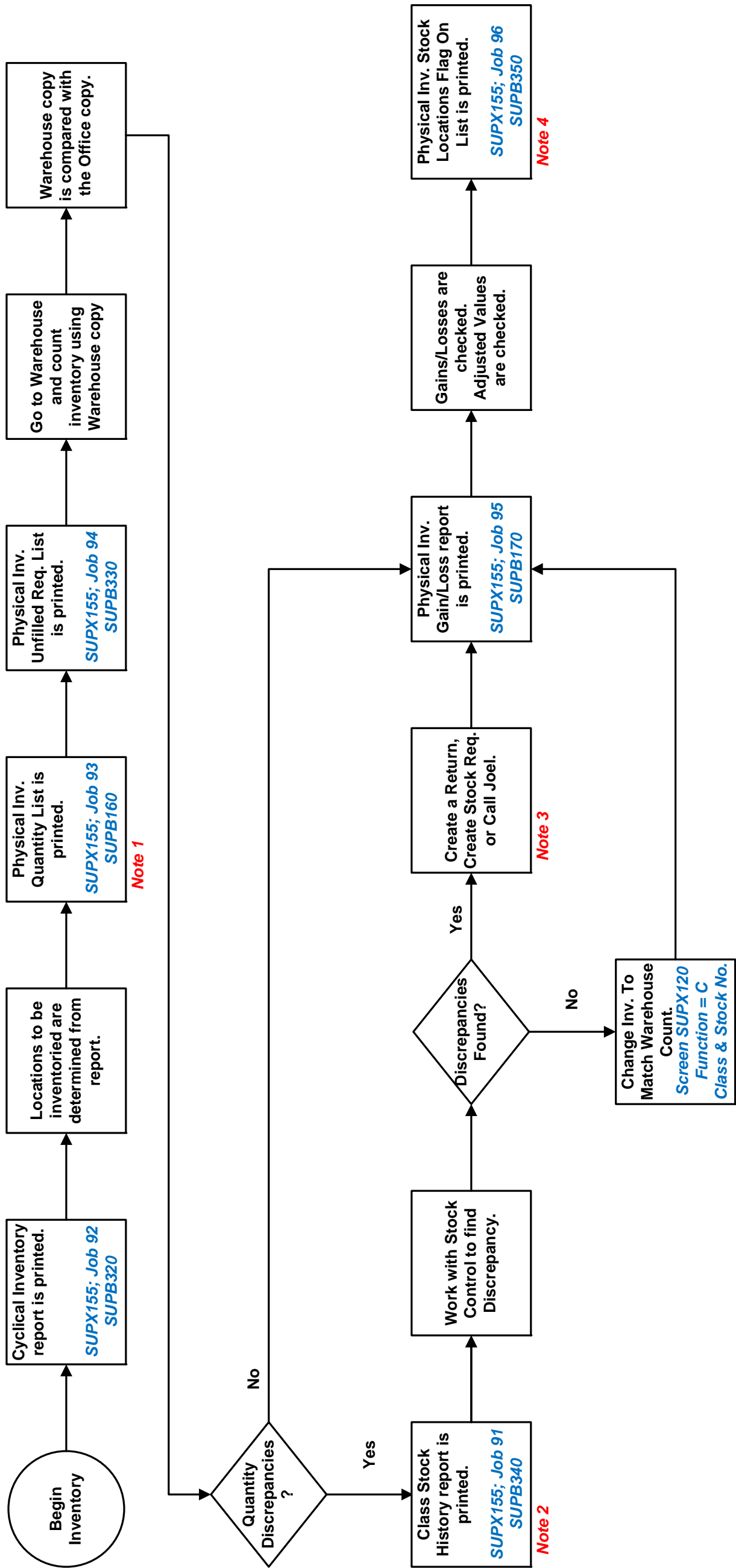
APPENDIX L

Inventory Process

Begin Inventory

Cyclical Inventory report is printed.
SUPX155; Job 92
SUPB320

Locations to be inventoried are determined from report.

Physical Inv. Quantity List is printed.
SUPX155; Job 93
SUPB160
Note 1

Physical Inv. Unfilled Req. List is printed.
SUPX155; Job 94
SUPB330

Go to Warehouse and count inventory using Warehouse copy

Warehouse copy is compared with the Office copy.

Quantity Discrepancies?
No / Yes

Class Stock History report is printed.
SUPX155; Job 91
SUPB340
Note 2

Work with Stock Control to find Discrepancy.

Discrepancies Found?
Yes / No

Create a Return, Create Stock Req. or Call Joel.
Note 3

Change Inv. To Match Warehouse Count.
Screen SUPX120
Function = C
Class & Stock No.

Physical Inv. Gain/Loss report is printed.
SUPX155; Job 95
SUPB170

Gains/Losses are checked. Adjusted Values are checked.

Physical Inv. Stock Locations Flag On List is printed.
SUPX155; Job 96
SUPB350
Note 4

Note 1: *Once this job is run, the Supply System is locked and requisitions cannot be added, closed, modified or printed. This report prints off two copies; An Office copy and a Warehouse copy.*

Note 2: *This report can also be printed from Screen SUPX150 and selecting Job Number 02.*

Note 3: *Call Joel is when the only adjustment that can be made is to fix the database.*

Note 4: *Running this job releases the Supply System so requisitions can be added, closed, modified or printed.*

L-1

APPENDIX M

REPORT	REPORT DESCRIPTION	STATUS	COMMENTS
SUPB100	Back Order Report	Not Needed.	
SUPB140	Unfilled Requisitions Older than 7 Days	Not Needed.	
SUPB150	Purchase Orders Due In List	On Demand Report.	Add Original Due In Date. Keep Every Date Change. Comments are Optional. May not be needed if Dashboard works.
SUPB180	Inventory Master List	Not Needed.	
SUPB200	Inventory Value by Class Report	On Demand Report.	No Changes
SUPB210	Purchase Order Back Order Report	Not Needed.	Create a Vendor Performance Report
SUPB220	Outstanding Purchase Order Report	Not Needed.	Create a Vendor Performance Report
SUPB230	Purchase Orders Received Report	Auto Generate Report.	Print Daily. Don't Need "Thru" Dates. Eliminate the Date Received Column.
SUPB240	Stock Status Detail Report	Not Needed.	It Never Worked.
SUPB250	Need to Order Report	Not Needed.	If within 10% of Minimum Generate P/O Automatically.
SUPB260	Multiple Locations Report	Not Needed.	
SUPB280	Requisition/Returns Expense Report by OE	Waiting on Tom R.	On Demand? Ability to Print.
SUPB290	Class/Stock Products Added/Deleted Report	On Demand Report.	No Changes
SUPB300	Sales Dollars by Class Report	Auto Generate Report.	Yearly Report
SUPB310	Stock Products Not Issued Since Report	On Demand Report.	No Changes
SUPB360	Negative Quantity On Hand List	Possibly Needed.	More Analysis Needed During Application Development.
SUPB370	Back Order Requisition List	Not Needed.	

REPORT	REPORT DESCRIPTION	STATUS	COMMENTS
SUPB380	Requisition/Returns Report	Auto Generate Report.	Print Daily. Don't Need "Thru" Dates. Eliminate "Shipped Date" Column.
SUPB390	Print Shop Need to Order Report	Used by Print Shop	
SUPB400	Outsides Stock Requisitions/Returns	Districts & Divisions receive this monthly showing their purchases and returns	New system should allow them to generate their own report or review on-line.
SUPB430	Accounts Payable Report	Auto Generate Report.	End of Month Report

NDOR SUPPLY INVENTORY SYSTEM
STOCK REQUISITION - STOCK CONTROL COPY

Ⓢ

SHIP TO NAME & ADDRESS:
ALLIANCE SHOP
ALLIANCE NE

BACKORDER

REQUISITION NO. :1305708
COSTING O.E. NO.:650
RADIO CALL NO. :514

PIECES SHIPPED: 16X

CLASS-STOCK U/M		REQUESTED	QUANTITY SHIPPED	BACK ORDER		LOCATION BASE	SEC	BAY	BIN	FCP
01 18-25500 CLEANER		12 (	BIODEGRADEABLE DEGREASER,NON TOXIC,12.5OZ/12/CS							
CN		12 (	12) (	) (101	- 0L	- 03	- 104)			F
02 18-29800 URINAL BLOCK			ENZYME BACTERIAL KILLER W/SCREEN, 12/CS							
CS		1 (	1) (	) (101	- 0G	- 04	- 102)			F
03 18-50990 MOP HEAD			WET 20 OZ							
EA		2 (	2) (	) (101	- 0H	- 00	- 040)			F
04 80-27000 FIRST AID KIT			TEN UNIT TYPE							
EA		5 (	2) (	) (103	- 0A	- 07	- 001)			P
05 60-00320 FLAG, NATIONAL			OFFICIAL UNITED STATES NYLON 4'X 6'							
EA		5 (	5) (	) (103	- 0A	- 01	- 002)			F
06 60-00300 FLAG, STATE			OFFICIAL NEBRASKA NYLON 3'X 5'							
EA		5 (	5) (	) (103	- 0A	- 04	- 080)			F
✓ ⑦ 80-27000 FIRST AID KIT			TEN UNIT TYPE							
EA		3 (	3) (	) (103	- 0A	- 07	- 001)			Ⓑ

REQUESTED BY:	APPROVED BY:	FILLED BY:	RECEIVED BY:
CHARLES MILES	PAUL HOWARD	SJ	
DATE:06-05-2013	DATE:06-05-2013	DATE:06-05-2013	DATE: - -
DATE/TIME PRINTED: 06-05-13 AT: 14:03		06-27-2013	PAGE: 1 OF 1

NDOR SUPPLY INVENTORY SYSTEM
STOCK REQUISITION - STOCK CONTROL COPY   Ⓢ

SHIP TO NAME & ADDRESS: 1 Bund   REQUISITION NO. :1400128
TURK BLAKE   COSTING O.E. NO.:903
DISTRICT 8   RADIO CALL NO. :811
AINSWORTH

                    PIECES SHIPPED:

CLASS-STOCK   ------------- QUANTITY -------------   ---- LOCATION -----
    U/M   REQUESTED   SHIPPED   BACK ORDER   BASE SEC BAY BIN   FCP

01 45-12000 BLADE MOWER   LEFT WING FOR SCHULTE MOWER 1/2" X 4" X 25" CW
    EA   3   (3   ) (   ) (105 - 0A - 03 - 100)

02 45-12300 BLADE MOWER   RIGHT WING FOR SCHULTE MOWER 1/2" X 4" X 25" CCW
    EA   3   (3   ) (   ) (105 - 0B - 04 - 200)

03 45-12500 BLADE MOWER   CENTER FOR SCHULTE MOWER 1/2" X 4" X 28" CW
    EA   3   (3   ) (   ) (105 - 0A - 03 - 101)

04 45-12000 BLADE MOWER   LEFT WING FOR SCHULTE MOWER 1/2" X 4" X 25" CW
    EA   3   (3   ) (   ) (105 - 0A - 03 - 100)

05 45-12300 BLADE MOWER   RIGHT WING FOR SCHULTE MOWER 1/2" X 4" X 25" CCW
    EA   3   (3   ) (   ) (105 - 0B - 04 - 200)

06 45-12500 BLADE MOWER   CENTER FOR SCHULTE MOWER 1/2" X 4" X 28" CW
    EA   3   (3   ) (   ) (105 - 0A - 03 - 101)

REQUESTED BY: APPROVED BY: FILLED BY: TB   RECEIVED BY:
SUSAN HOOVER   CHARLES OSBORN
DATE:06-26-2013   DATE:06-27-2013   DATE 6 27-13   DATE: - -

DATE/TIME PRINTED: 06-27-13 AT: 07:07   PAGE: 1 OF 1

```
       JOB
       NUM         DAILY BATCH JOB SUBMITTAL SELECTIONS

       === =====================================================


        21 PURCHASE ORDERS DUE IN LIST                            SUPB150


        22 UNFILLED REQUISITIONS OLDER THAN 7 DAYS LIST           SUPB140


        23 NEGATIVE QUANTITY ON HAND LIST                         SUPB360


        24 BACK-ORDERED REQUISITIONS LIST                         SUPB370


        25 PURCHASE ORDERS RECEIVED REPORT                        SUPB230
              SELECT BY FROM/THRU DATES


        26 REQUISITIONS/RETURNS REPORT                            SUPB380
              SELECT BY FROM/THRU DATES
```

```
 JOB SELECTION:
 DATES (M-D-Y)      FROM:              THRU:



 PRINTER SELECTION: 2297


PF1 =JOBMENU PF2 =          PF3 =SUPMENU PF4 =          PF5 =          PF6 =
PF7 =DAILY   PF8 =WEEKLY  PF9 =MONTHLY PF10=YEARLY  PF11=PHY INV PF12=CLEAR

ENTER JOB SELECTION - PRESS ENTER
```

```
DATE: 06-27-14                    NDOR SUPPLY INVENTORY SYSTEM                              PAGE:    1
SUPB150                          PURCHASE ORDERS DUE-IN LIST

CLASS &                                     P.O.      QUANTITY   DATE
STOCK NO    KEYWORD              U/M       NUMBER      ORDERED   DUE-IN        ------NOTES------

10-07500    BOLT/SPACER          BX       4263009        10     06-30-2014
10-07600    NUT                  C        4264341        20     07-30-2014
10-21050    POST GUARD RAIL      EA       4264332       100     08-14-2014

16-14000    PAINT                GL       4265718        10     06-30-2014

18-00500    HI-DRI               BG       4264303       100     07-01-2014
18-25000    CLEANER              CN       4264326        19     07-01-2014

24-10200    CHAIN HOOK           EA       4265726        50     06-30-2014

45-11126    BIT, MILLING         CN       4265727        40     07-07-2014
45-13615    STROBE LIGHT         EA       4264323        25     05-30-2014
45-13620    STROBE LIGHT         EA       4265665        36     06-30-2014
45-13630    STROBE LIGHT         EA       4264317        30     08-14-2014

52-02140    CONTROLLER, NEW      EA       0526139         3     06-14-2014
52-12090    LOAD PACK            EA       4265699        50     06-30-2014
52-17060    CAP POLE             EA       4265661         6     06-30-2014
52-17124    TRANS BASE, NEW      EA       4265662        10     07-30-2014

58-00900    SAMPLE, CAN          EA       4264293       450     06-30-2014
58-17650    PAINT MARKING        CS       4264339        95     07-30-2014
58-36950    SAMPLE, JAR          EA       4264343       288     07-14-2014

60-00320    FLAG, NATIONAL       EA       4263730         9     05-15-2014
60-00320    FLAG, NATIONAL       EA       4263521         7     03-14-2014

70-08970    ENVELOPE, CARD       BD       4265656        35     06-14-2014
70-26000    FRAME,CERTIF         EA       5260816        10     08-14-2014

80-14030    RAIN SUIT            EA       4264319        20     06-25-2014
80-14051    RAIN SUIT            EA       4264301        15     06-25-2014
80-27240    GARMENT, PANTS       EA       0533781       100     07-01-2014
80-27330    GARMENT, SHIRT       EA       0533781       200     07-01-2014
80-27870    GLASSES, SAFETY      PR       5260809        72     07-14-2014
```

DATE: 06-27-14
SUPB150

NDOR SUPPLY INVENTORY SYSTEM
PURCHASE ORDERS DUE-IN LIST

PAGE: 3

CLASS & STOCK NO	KEYWORD	U/M C	P.O. NUMBER	QUANTITY ORDERED	DATE DUE-IN	------NOTES------
85-91800	WASHER	C	4265681	50	06-30-2014	
86-00590	SIGN	EA	4264322	125	07-15-2014	
86-00598	SIGN	EA	4264322	100	07-15-2014	
86-00720	SIGN	EA	4265737	25	06-30-2014	
86-00800	SIGN	EA	4260820	20	07-30-2014	
86-00951	SIGN	EA	5260815	7	07-30-2014	
86-03001	SIGN	EA	5260807	45	07-30-2014	
86-48055	SIGN	EA	5260807	25	07-30-2014	
86-48060	SIGN	EA	5260815	10	07-30-2014	
86-50040	SIGN	EA	4264322	20	07-30-2014	
86-50080	SIGN	EA	4264330	15	07-15-2014	
86-50090	SIGN	EA	4264338	130	07-15-2014	
86-50280	SIGN	EA	4264338	75	07-30-2014	
86-50300	SIGN	EA	4263748	100	05-30-2014	
86-50305	SIGN	EA	4264322	25	07-15-2014	
86-50310	SIGN	EA	5260815	150	07-30-2014	
86-50315	SIGN	EA	4264330	20	07-15-2014	
86-50500	SIGN	EA	4264330	25	07-15-2014	
86-50510	SIGN	EA	5260807	10	07-15-2014	
86-80005	SIGN	EA	4264336	40	07-30-2014	
86-80020	SIGN	EA	4264336	20	07-15-2014	
86-80030	SIGN	EA	4264336	10	07-15-2014	
86-80215	SIGN	EA	4264336	30	07-15-2014	
86-80310	SIGN	EA	4264336	20	07-15-2014	
86-80315	SIGN	EA	5260807	40	07-30-2014	
86-80325	SIGN	EA	4264336	5	07-15-2014	
86-80335	SIGN	EA	5260807	10	07-30-2014	
86-80410	SIGN	EA	5260807	70	07-30-2014	
86-80600	SIGN	EA	4264322	60	07-15-2014	
86-90000	SIGN	EA	5260815	32	07-30-2014	

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DATE: 06-27-14
SUPB140
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NDOR SUPPLY INVENTORY SYSTEM
UNFILLED REQUISITIONS OLDER THAN 7 DAYS

PAGE: 2

REQUISITION NUMBER	CLASS & STOCK NO	PRODUCT DESCRIPTION	QTY	OE	REQUISITION DATE
1405975	80-80625	SAFETY YELLOW/GREEN LARGE CHEST 48"	6	630	06-05-2014
1405983	80-80625	SAFETY YELLOW/GREEN LARGE CHEST 48"	2	390	06-05-2014
1405998	58-00900	1/2 GALLON, METAL, WITH LID	12	630	06-06-2014
1406015	58-00900	1/2 GALLON, METAL, WITH LID	40	650	06-09-2014
1406019	80-14051	RAIN SUIT, ELASTIC WAIST PANT, LARGE	1	670	06-09-2014
1406024	80-14051	RAIN SUIT, ELASTIC WAIST PANT, LARGE	2	610	06-09-2014
1406032	58-00900	1/2 GALLON, METAL, WITH LID	30	630	06-09-2014
1406042	80-80625	SAFETY YELLOW/GREEN LARGE CHEST 48"	20	680	06-10-2014
1406042	80-80775	ORANGE SAFETY, X-LARGE, CHEST 52"	10	680	06-10-2014
1406058	85-19300	EXTRUDED ALUMINUM, 12', USE W/85-19400	10	640	06-10-2014
1406088	86-00590	DO NOT PASS 24X30	13	640	06-11-2014
1406088	86-00598	PASS WITH CARE 24X30	5	640	06-11-2014
1406089	86-00590	DO NOT PASS 24X30	15	640	06-11-2014
1406089	86-00598	PASS WITH CARE 24X30	12	640	06-11-2014
1406090	58-00900	1/2 GALLON, METAL, WITH LID	50	640	06-11-2014
1406123	80-80775	ORANGE SAFETY, X-LARGE, CHEST 52"	5	670	06-13-2014
1406125	85-19300	EXTRUDED ALUMINUM, 12', USE W/85-19400	10	650	06-13-2014
1406137	85-89650	PORTABLE W/DETACHABLE BASE	22	660	06-16-2014
1406143	85-89740	TELSPAR,RECEIVER,REDI-TORQUE,W/85-89720&85-89730	8	670	06-16-2014
1406149	58-00900	1/2 GALLON, METAL, WITH LID	20	680	06-16-2014

APPENDIX M

NDOR SUPPLY INVENTORY SYSTEM
UNFILLED REQUISITIONS OLDER THAN 7 DAYS

PAGE: 3

REQUISITION NUMBER	CLASS & STOCK NO	PRODUCT DESCRIPTION	QTY	OE	REQUISITION DATE
1406165	58-00900	1/2 GALLON, METAL, WITH LID	50	630	06-17-2014
1406175	86-80215	REDUCE SPEED-LOOSE GRAVEL ON SURF 48X48 ORANGE	2	650	06-17-2014
1406175	86-80410	NO PASSING ZONES NOT MARKED 48X48 ORANGE	6	650	06-17-2014
1406193	58-00900	1/2 GALLON, METAL, WITH LID	10	680	06-17-2014
1406200	86-50300	OBJECT MARKER TYPE 3-LEFT 3 STRIPE MIN 12X36	15	610	06-18-2014
1406207	86-80600	DETOUR 24X12 ORANGE	10	630	06-18-2014
1406212	58-00900	1/2 GALLON, METAL, WITH LID	40	640	06-18-2014
1406216	80-80625	SAFETY YELLOW/GREEN LARGE CHEST 48"	6	610	06-19-2014
1406235	85-37800	TEMPORARY WHITE 4" X 50YD, 2RL/BX	2	640	06-20-2014
1406238	86-50510	ROAD WORK 1 MILE 48X48 ORANGE	4	650	06-20-2014

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APPENDIX M

NDOR SUPPLY INVENTORY SYSTEM   PAGE: 1
CLASS-STOCK PRODUCTS WITH NEGATIVE QUANTITY ON HAND

CLASS-STOCK	KEYWORD	QUANTITY ON HAND	LOCATION
86-00800	SIGN	1-	104-EE-00-204

DATE: 06-27-14
SUPB370

NDOR SUPPLY INVENTORY SYSTEM
BACKORDERED REQUISITIONS

PAGE: 2

REQUISITION NUMBER	CLASS & STOCK NO	PRODUCT DESCRIPTION	BACK ORDERED QTY	OE	REQUISITION DATE
1405975	80-80625	SAFETY YELLOW/GREEN LARGE CHEST 48"	6	630	06-05-2014
1405983	80-80625	SAFETY YELLOW/GREEN LARGE CHEST 48"	2	390	06-05-2014
1405998	58-00900	1/2 GALLON, METAL, WITH LID	12	630	06-06-2014
1406015	58-00900	1/2 GALLON, METAL, WITH LID	40	650	06-09-2014
1406019	80-14051	RAIN SUIT, ELASTIC WAIST PANT, LARGE	1	670	06-09-2014
1406024	80-14051	RAIN SUIT, ELASTIC WAIST PANT, LARGE	2	610	06-09-2014
1406032	58-00900	1/2 GALLON, METAL, WITH LID	30	630	06-09-2014
1406042	80-80625	SAFETY YELLOW/GREEN LARGE CHEST 48"	20	680	06-10-2014
1406042	80-80775	ORANGE SAFETY, X-LARGE, CHEST 52"	10	680	06-10-2014
1406058	85-19300	EXTRUDED ALUMINUM, 12', USE W/85-19400	10	640	06-10-2014
1406088	86-00590	DO NOT PASS 24X30	13	640	06-11-2014
1406088	86-00598	PASS WITH CARE 24X30	5	640	06-11-2014
1406089	86-00590	DO NOT PASS 24X30	15	640	06-11-2014
1406089	86-00598	PASS WITH CARE 24X30	12	640	06-11-2014
1406090	58-00900	1/2 GALLON, METAL, WITH LID	50	640	06-11-2014
1406123	80-80775	ORANGE SAFETY, X-LARGE, CHEST 52"	5	670	06-13-2014
1406125	85-19300	EXTRUDED ALUMINUM, 12', USE W/85-19400	10	650	06-13-2014
1406137	85-89650	PORTABLE W/DETACHABLE BASE	22	660	06-16-2014
1406143	85-89740	TELSPAR,RECEIVER,REDI-TORQUE,W/85-89720&85-89730	8	670	06-16-2014
1406149	58-00900	1/2 GALLON, METAL, WITH LID	20	680	06-16-2014

DATE: 06-27-14
SUPB370

NDOR SUPPLY INVENTORY SYSTEM
BACKORDERED REQUISITIONS

PAGE: 3

REQUISITION NUMBER	CLASS & STOCK NO	PRODUCT DESCRIPTION	BACK ORDERED QTY	OE	REQUISITION DATE
1406165	58-00900	1/2 GALLON, METAL, WITH LID	50	630	06-17-2014
1406175	86-80215	REDUCE SPEED-LOOSE GRAVEL ON SURF 48X48 ORANGE	2	650	06-17-2014
1406175	86-80410	NO PASSING ZONES NOT MARKED 48X48 ORANGE	6	650	06-17-2014
1406193	58-00900	1/2 GALLON, METAL, WITH LID	10	680	06-17-2014
1406200	86-50300	OBJECT MARKER TYPE 3-LEFT 3 STRIPE MIN 12X36	15	610	06-18-2014
1406207	86-80600	DETOUR 24X12 ORANGE	10	630	06-18-2014
1406212	58-00900	1/2 GALLON, METAL, WITH LID	40	640	06-18-2014
1406216	80-80625	SAFETY YELLOW/GREEN LARGE CHEST 48"	6	610	06-19-2014
1406235	85-37800	TEMPORARY WHITE 4" X 50YD, 2RL/BX	2	640	06-20-2014
1406238	86-50510	ROAD WORK 1 MILE 48X48 ORANGE	4	650	06-20-2014
1406255	12-08000	SMALL PIG ABSORBENT SOCK, 3" DIAMETER, 25/BX	6	630	06-23-2014
1406255	16-19100	445 SAFETY ORANGE FOR CONCRETE RIGHT-OF-WAY MARKER	4	630	06-23-2014
1500006	85-42000	ALUMINUM CLIP POST ASSEMBLY FOR SIGN USE	262	620	06-24-2014
1500006	86-00951	ONE WAY ARROW (LEFT) 54X18	1	620	06-24-2014
1500007	86-50300	OBJECT MARKER TYPE 3-LEFT 3 STRIPE MIN 12X36	10	620	06-24-2014
1500022	70-88915	JAN 02-HIGHWAY SAFETY USE ONLY, 100SS/BD	4	340	06-24-2014
1500032	85-19300	EXTRUDED ALUMINUM, 12', USE W/85-19400	10	610	06-24-2014
1500035	85-89715	TELSPAR WINGED OMNI ANCHOR 2 1/4" X 2 1/4" X 3'	39	640	06-25-2014
1500056	86-00800	SNOWPLOW-FLYING SAND 48X24	1	660	06-25-2014

APPENDIX M

NDOR SUPPLY INVENTORY SYSTEM
PURCHASE ORDERS RECEIVED REPORT
FOR PERIOD: 06-26-2014 THRU: 06-26-2014

PURCHASE ORDER NO	CLASS & STOCK NO	KEY WORD	P/O TYPE	DATE RECEIVED	QUANTITY RECEIVED	U/M	FINAL/CANCEL PARTIAL CODE	DOLLAR AMOUNT
0529620	18-36900	TRASH BAG	DOR	06-26-2014	60	CS	F	1,287.60
						PURCHASE ORDER 0529620 TOTAL:		1,287.60
4263815	10-00900	BLOCK GD RAIL	DOR	06-26-2014	70	EA	F	924.00
						PURCHASE ORDER 4263815 TOTAL:		924.00
4264342	24-06000	CAN, GAS	DOR	06-26-2014	6	EA	F	175.74
						PURCHASE ORDER 4264342 TOTAL:		175.74
						GRAND TOTAL:		2,387.34

NDOR SUPPLY INVENTORY SYSTEM
SHIPPED REQUISITIONS / RECEIVED RETURNS REPORT
FOR PERIOD: 06-26-2014 THRU: 06-26-2014

RDO CALL NUMBER	REQ NUMBER	CLASS & STOCK NO	KEYWORD	REQ TYP	SHIPPED DATE	QUANTITY SHIPPED	U/M	AVERAGE PRICE	TOTAL AMOUNT
442	1406187-01	85-89505	POST SIGN	RTN	06-26-2014	2-	EA	611.0783	1,222.16-
					TOTALS:	2-*			1,222.16-*
413	1406237-01	16-40000	REPELLENT,INSCT	REQ	06-26-2014	12	EA	5.1567	61.88
413	1406237-02	85-89796	POST SIGN	REQ	06-26-2014	50	EA	22.3800	1,119.00
413	1406237-03	85-89710	POST SIGN	REQ	06-26-2014	50	EA	7.3399	367.00
					TOTALS:	112 *			1,547.88 *
445	1406252-01	86-00115	SIGN	REQ	06-26-2014	4	EA	21.5000	86.00
					TOTALS:	4 *			86.00 *
413	1406260-01	12-08538	OIL, MOTOR	REQ	06-26-2014	6	CS	16.2751	97.65
					TOTALS:	6 *			97.65 *
445	1406261-01	85-10120	BOLT, SIGN	REQ	06-26-2014	2	EA	1.0646	2.13
					TOTALS:	2 *			2.13 *
445	1500015-01	80-28090	GLOVES, LEATHER	REQ	06-26-2014	6	PR	5.0482	30.29
445	1500015-02	85-10120	BOLT, SIGN	REQ	06-26-2014	10	EA	1.0646	10.65
445	1500015-03	80-27974	GLOVES, NITRILE	REQ	06-26-2014	3	BX	8.2711	24.81
					TOTALS:	19 *			65.75 *
375	1500026-01	60-00900	BOX, PACKING	REQ	06-26-2014	25	EA	.4500	11.25
					TOTALS:	25 *			11.25 *
444	1500028-01	45-16240	MUD FLAP	REQ	06-26-2014	8	EA	19.1612	153.29
					TOTALS:	8 *			153.29 *
210	1500029-01	80-23700	FILTER MASK	REQ	06-26-2014	20	EA	.6018	12.04
					TOTALS:	20 *			12.04 *
412	1500030-01	45-04700	BLADE PLOW	REQ	06-26-2014	5	EA	93.1415	465.71
412	1500030-02	45-04700	BLADE PLOW	REQ	06-26-2014	5	EA	93.1415	465.71
					TOTALS:	10 *			931.42 *
442	1500035-01	85-89715	POST SIGN	REQ	06-26-2014	11	EA	16.0400	176.44
					TOTALS:	11 *			176.44 *
	1500048-01	70-89028	FORM DR-4	REQ	06-26-2014	12	PD	1.2399	14.88
					TOTALS:	12 *			14.88 *

APPENDIX M

NDOR SUPPLY INVENTORY SYSTEM
SHIPPED REQUISITIONS / RECEIVED RETURNS REPORT
FOR PERIOD: 06-26-2014 THRU: 06-26-2014

RDO CALL NUMBER	REQ NUMBER	CLASS & STOCK NO	KEYWORD	REQ TYP	SHIPPED DATE	QUANTITY SHIPPED	U/M	AVERAGE PRICE	TOTAL AMOUNT
444	1500060-02	80-28090	GLOVES, LEATHER	REQ	06-26-2014	6	PR	5.0482	30.29
444	1500060-03	80-27850	GLASSES, SAFETY	REQ	06-26-2014	12	PR	1.8261	21.91
444	1500060-04	80-27860	GLASSES, SAFETY	REQ	06-26-2014	12	PR	2.0610	24.73
					TOTALS:	36 *			106.85 *
341	1500061-01	80-00900	BANDAGE	REQ	06-26-2014	3	PK	.6900	2.07
341	1500061-02	80-28080	GLOVES, LEATHER	REQ	06-26-2014	12	PR	4.9874	59.85
341	1500061-03	80-28090	GLOVES, LEATHER	REQ	06-26-2014	12	PR	5.0482	60.58
341	1500061-04	80-80750	VEST, MESH	REQ	06-26-2014	6	EA	6.3000	37.80
341	1500061-05	85-38500	PAVEMENT MARKER	REQ	06-26-2014	1	BX	138.0000	138.00
341	1500061-06	85-38525	PAVEMENT MARKER	REQ	06-26-2014	1	BX	123.0000	123.00
					TOTALS:	35 *			421.30 *
311	1500062-01	80-27860	GLASSES, SAFETY	REQ	06-26-2014	12	PR	2.0610	24.73
					TOTALS:	12 *			24.73 *
	1500063-01	24-46502	PADLOCK	REQ	06-26-2014	6	EA	11.4491	68.69
	1500063-02	52-12098	LUMINAIRE	REQ	06-26-2014	1	EA	186.8882	186.89
					TOTALS:	7 *			255.58 *
651	1500064-01	86-20000	SIGN	REQ	06-26-2014	3	EA	70.6000	211.80
651	1500064-02	86-80400	SIGN	REQ	06-26-2014	6	EA	108.5256	651.15
651	1500064-03	86-80315	SIGN	REQ	06-26-2014	6	EA	108.5000	651.00
651	1500064-04	86-80045	SIGN	REQ	06-26-2014	6	EA	108.5561	651.34
651	1500064-05	86-50520	SIGN	REQ	06-26-2014	6	EA	108.5000	651.00
					TOTALS:	27 *			2,816.29 *
101	1500068-01	80-52410	POISON IVY-OINT	REQ	06-26-2014	4	PK	1.5173	6.07
101	1500068-02	80-68400	STING KILL	REQ	06-26-2014	4	PK	1.5000	6.00
101	1500068-03	58-17650	PAINT MARKING	REQ	06-26-2014	6	CS	28.2086	169.25
					TOTALS:	14 *			181.32 *
723	1500070-01	70-26000	FRAME,CERTIF	REQ	06-26-2014	2	EA	15.0000	30.00
					TOTALS:	2 *			30.00 *
131	1500076-01	45-13630	STROBE LIGHT	REQ	06-26-2014	2	EA	125.0000	250.00
					TOTALS:	2 *			250.00 *
					TOTALS:	0 *			.00 *

M-15

APPENDIX M

NDOR SUPPLY INVENTORY SYSTEM
SHIPPED REQUISITIONS / RECEIVED RETURNS REPORT
FOR PERIOD: 06-26-2014 THRU: 06-26-2014

RDO CALL NUMBER	REQ NUMBER	CLASS & STOCK NO	KEYWORD	REQ TYP	SHIPPED DATE	QUANTITY SHIPPED	U/M	AVERAGE PRICE	TOTAL AMOUNT
	5260822-01	70-61155	MANUAL	PRT	06-26-2014	40	BK	9.8200	392.80
					TOTALS:	40 *			392.80 *

REPORT TOTAL   12,640.89 *

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        JOB
        NUM        WEEKLY BATCH JOB SUBMITTAL SELECTIONS
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     ✓ 41  STOCK STATUS DETAIL REPORT  Did Not Print anything off   SUPB240

       42  NEED-TO-ORDER REPORT                                     SUPB250

       43  PURCHASE ORDER BACK-ORDER REPORT                         SUPB210

       44  INVENTORY VALUE BY CLASS REPORT                          SUPB200

       45  MULTIPLE LOCATIONS REPORT                                SUPB260

     ✗ 46  PRINT SHOP NEED-TO-ORDER REPORT                          SUPB390
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JOB SELECTION:




PRINTER SELECTION: 2297


PF1 =JOBMENU PF2 =          PF3 =SUPMENU PF4 =        PF5 =         PF6 =
PF7 =DAILY   PF8 =WEEKLY  PF9 =MONTHLY PF10=YEARLY  PF11=PHY INV PF12=CLEAR

ENTER JOB SELECTION - PRESS ENTER
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DATE: 06-23-14
SUPB250

PAGE: 1

NDOR SUPPLY INVENTORY SYSTEM
NEED-TO-ORDER REPORT

CLASS & STOCK NO	PART NUMBER KEYWORD/DESCRIPTION	U/M	QUANTITY ISSUED THIS YEAR	QUANTITY ISSUED LAST YEAR	LAST ISSUE MO-YR	QUANTITY ON HAND	BACK ORDER QUANTITY ON REQS	MINIMUM BALANCE	MAXIMUM BALANCE	MOS LEAD TIME
10-07100	MAIL BOX PKG SINGLE, MAIL BOX BRACKET W/HARDWARE	PK	55	378	06-14	60	0	100	200	2
10-07600	NUT 5/16" FLANGE FOR MARION BREAKAWAY	C	5	42	06-14	5	0	8	16	1

DATE: 06-23-14
SUPB250

PAGE: 7

NDOR SUPPLY INVENTORY SYSTEM
NEED-TO-ORDER REPORT

CLASS & STOCK NO	PART NUMBER KEYWORD/DESCRIPTION	U/M	QUANTITY ISSUED THIS YEAR	QUANTITY ISSUED LAST YEAR	LAST ISSUE MO-YR	QUANTITY ON HAND	BACK ORDER QUANTITY ON REQS	MINIMUM BALANCE	MAXIMUM BALANCE	MOS LEAD TIME
85-07100	BP-HIDF BARRICADE TYPE III ORANGE & WHITE 8FT/6" STRIPE, PLANKS ONLY	EA	0	363	06-14	62	0	65	130	1
85-10110	BOLT, SIGN 5/16" X 2 1/2" USS PLATED FLANGE BOLT W/FLANGE NUT	C	0	120	06-14	23	0	25	50	1
85-10220	RIVET 3/8" DRIVE RIVET W/WASHER	C	7	212	06-14	31	0	35	70	1
85-14200	POST DELINEATOR 48" BLACK, 13" TOP, SHUR-FLEX NO SQ TUBE/SHEETING 25 PER/BOX	BX	8	134	06-14	9	0	12	24	1
85-16200	BOLT, SIGN 1/4" X 1" USS W/NUT PLATED, HEX HEAD	C	4	23	06-14	1	0	4	8	1
85-17400	BOLT, SIGN 1/4" X 3" USS W/NUT, PLATED HEX HEAD	C	0	195	06-14	20	0	42	84	1
85-19400	BRACKET, SIGN 2" TELSPAR POST HARDWARE, USE W/85-19300, 10/BX	BX	0	54	06-14	9	0	14	28	1
85-37800	PAVEMENT MARKER TEMPORARY WHITE 4" X 50YD, 2RL/BX	BX	8	28	06-14	0	2	6	12	1
85-89796	POST SIGN TELSPAR, 2" OD X 10', 25/BDL	EA	100	4,000	06-14	300	0	360	1,260	1

DATE: 03-18-13
SUPB210

PAGE: 1

NDOR SUPPLY INVENTORY SYSTEM
PURCHASE ORDER BACK ORDER REPORT

CLASS & STOCK NO	KEYWORD	U/M	PURCHASE ORDER NO	PURCHASE ORDER DATE	DUE IN DATE	QUANTITY BACK ORDERED	UNIT PRICE	TOTAL BACK ORDER VALUE	WEEKS ON BACK ORDER	TIMES ON BACK ORDER
12-05050	FLUID, WASHER	GL	3261617	03-11-2013	03-29-2013	12	1.6500	19	0	0
18-59050	RAG WIPING	CS	0461300	02-28-2013	03-15-2013	85	33.0800	2,811	0	0
24-82250	WRENCH, PIPE	EA	3262571	03-13-2013	03-27-2013	2	39.3300	78	0	1
45-13645	STROBE LIGHT	EA	3262560	03-07-2013	04-15-2013	10	88.0000	880	1	4
52-02140	CONTROLLER, NEW	EA	0444077	10-29-2012	03-30-2013	6	3,750.0000	22,500	0	0
70-40484	PAPER	RM	0463533	03-13-2013	03-27-2013	120	7.1000	852	0	0
80-20330	COVERALL	EA	3262552	03-04-2013	04-01-2013	12	14.1100	169	0	3
80-29400	GLOVES, LEATHER	PR	3262535	02-27-2013	03-30-2013	72	6.3700	458	0	1
86-00010	SIGN	EA	3261528	02-15-2013	03-15-2013	50	36.6200	1,831	0	9

DATE: 05-20-13
SUPB200

NDOR SUPPLY INVENTORY SYSTEM
INVENTORY VALUE BY CLASS

PAGE: 1

CLASS	NUMBER OF INVENTORY PRODUCTS	INVENTORY VALUE
10	31	83,656.58
12	32	82,994.47
16	20	12,889.31
18	65	47,172.05
24	58	39,508.02
45	60	1,241,894.12
50	3	3,143.53
52	92	256,412.96
58	47	58,972.60
60	21	13,980.64
70	110	44,175.10
80	174	69,087.41
85	117	317,605.92
86	252	202,259.07
99	3	.00
TOTAL	1,085	2,473,751.78

APPENDIX M

NDOR SUPPLY INVENTORY SYSTEM
STOCK NUMBERS WITH MULTIPLE LOCATIONS

CLASS & STOCK NO	KEY WORD	QUANTITY ON HAND	U/M	BASE	SECTION	BAY	BIN
86-50090	SIGN	173	EA	101	0E	05	104
86-50090	SIGN	0	EA	104	CC	FL	001

DATE: 06-27-14
SUPB390

NDOR SUPPLY INVENTORY SYSTEM
PRINT SHOP NEED-TO-ORDER REPORT

PAGE: 1

CLASS & STOCK NO	PART NUMBER KEYWORD/DESCRIPTION	U/M	QUANTITY ISSUED THIS YEAR	QUANTITY ISSUED LAST YEAR	LAST ISSUE MO-YR	QUANTITY ON HAND	BACK ORDER QUANTITY ON REQS	MINIMUM BALANCE	MAXIMUM BALANCE	MOS LEAD TIME
70-09900	ENVELOPE — MAILING, BROWN SELF-SEAL 10" X 13" (500/BX)	BX	0	14	06-14	9	0	10	20	1
70-61150	MANUAL — BRIDGE PLAN READING ANSWER BOOK	BK	3	26	06-14	8	0	10	20	1
70-88915	FORM DR-40A — JAN 02-HIGHWAY SAFETY USE ONLY, 100SS/BD	BD	6	36	06-14	0	4	5	25	1
70-89213	FORM DR-170 — DEC 07-MOTOR POOL VEH REQUEST & TRIP RPT, 50ST/BD	BD	0	39	06-14	3	0	5	20	1
70-89215	FORM DR-172 — FEB 98-FIRE EXT MONTHLY INSP DATA 50/PK	PK	0	29	04-14	9	0	20	50	1

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              JOB
              NUM      MONTHLY BATCH JOB SUBMITTAL SELECTIONS

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        61 REQUISITIONS/RETURNS EXPENSE REPORT BY OE          SUPB280
           SELECT BY FROM/THRU DATES


        62 PURCHASE ORDERS RECEIVED REPORT                    SUPB230
           SELECT BY FROM/THRU DATES


        63 OUTSTANDING PURCHASE ORDER REPORT                  SUPB220


        64 CLASS-STOCK PRODUCTS ADDED/DELETED REPORT          SUPB290
           SELECT BY FROM/THRU DATES


        65 OUTSIDE STOCK REQUISITIONS/RETURNS                 SUPB400
           SELECT BY FROM/THRU DATES
                  OR STOCK REQUISITION/RETURN NO.
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JOB SELECTION:
DATES (M-D-Y)      FROM:                  THRU:
REQ./RETURN NO.        :


PRINTER SELECTION: 2297


PF1 =JOBMENU PF2 =          PF3 =SUPMENU PF4 =        PF5 =        PF6 =
PF7 =DAILY   PF8 =WEEKLY  PF9 =MONTHLY PF10=YEARLY  PF11=PHY INV PF12=CLEAR


ENTER JOB SELECTION - PRESS ENTER
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NDOR SUPPLY INVENTORY SYSTEM
REQUISITIONS/RETURNS EXPENSE REPORT BY OE
FOR PERIOD: 08-29-2012 THRU: 09-25-2012

ORGANIZATION CODE: 904   TITLE: ADMINSTRATIVE

RDO CALL NUMBER	REQ NUMBER	CLASS & STOCK NO	KEYWORD	REQ TYP	SHIPPED DATE	QUANTITY SHIPPED	U/M	AVERAGE PRICE	TOTAL AMOUNT
	1301073	85-89553	POST SIGN	REQ	08-29-2012	100	EA	11.0600	1,106.00
	1301100	80-80625	VEST, MESH	REQ	08-29-2012	3	EA	6.3000	18.90
	1301100	80-80675	VEST, MESH	REQ	08-29-2012	3	EA	6.3000	18.90
	1301105	18-36800	TRASH BAG	REQ	08-29-2012	1	CS	21.0471	21.05
	1301105	18-37000	TRASH BAG	REQ	08-29-2012	1	CS	28.2988	28.30
054	1301109	52-02150	CONTROLLER, NEW	REQ	08-30-2012	1	EA	3,784.4286	3,784.43
054	1301109	52-10000	ISOLATOR	REQ	08-30-2012	2	EA	39.0000	78.00
054	1301109	52-12090	LOAD PACK	REQ	08-30-2012	2	EA	33.9982	68.00
054	1301109	52-22010	SIGNAL HEAD	REQ	08-30-2012	2	EA	385.9500	771.90
054	1301109	52-22075	SIGNAL HEAD	REQ	08-30-2012	4	EA	589.1975	2,356.79
	1301175	80-80625	VEST, MESH	RTN	09-05-2012	3-	EA	6.3000	18.90-
	1301175	80-80675	VEST, MESH	RTN	09-05-2012	3-	EA	6.3000	18.90-
	1301176	80-79900	VEST, ADOPT HWY	REQ	09-05-2012	6	EA	3.8526	23.12
	1301201	85-14100	POST DELINEATOR	REQ	09-07-2012	400	EA	4.5900	1,836.00
054	1301226	70-40480	PAPER	REQ	09-07-2012	100	RM	3.2181	321.81
054	1301353	52-02015	CONTROLLER, NEW	REQ	09-17-2012	1	EA	1,899.2200	1,899.22
054	1301353	52-02140	CONTROLLER, NEW	REQ	09-17-2012	1	EA	3,750.0000	3,750.00
054	1301353	52-02142	CONTROLLER,SWAR	REQ	09-17-2012	1	EA	425.7921	425.79
054	1301353	52-03080	DETECTOR	REQ	09-17-2012	3	EA	92.9500	278.85
054	1301353	52-03085	DETECTOR	REQ	09-17-2012	4	EA	268.0000	1,072.00
054	1301353	52-10000	ISOLATOR	REQ	09-17-2012	1	EA	39.0000	39.00
054	1301353	52-12090	LOAD PACK	REQ	09-17-2012	6	EA	33.9982	203.99
	1301399	18-56000	TOWEL, PAPER	REQ	09-19-2012	1	CS	14.1107	14.11
	1301470	12-08525	OIL, MOTOR	REQ	09-25-2012	1	DR	439.9750	439.98
	1301470	12-08541	OIL, MOTOR	REQ	09-25-2012	2	DR	451.0000	902.00
	1301476	60-00200	COLD PATCH	REQ	09-25-2012	63	BG	8.0000	504.00
	1301485	52-17131	PHOTO ELEC.CONT	REQ	09-25-2012	4	EA	15.7632	63.05
	1301487	18-36900	TRASH BAG	REQ	09-25-2012	6	CS	21.0514	126.31
	1301487	18-57000	TOWEL, PAPER	REQ	09-25-2012	8	CS	18.6952	149.56
	1301487	18-59000	RAG WIPING	REQ	09-25-2012	3	BX	16.0000	48.00
	1301487	80-28080	GLOVES, LEATHER	REQ	09-25-2012	12	PR	3.8691	46.43
	1301487	80-29400	GLOVES, LEATHER	REQ	09-25-2012	12	PR	4.7319	56.78

DATE: 09-26-12

SUPB280

PAGE: 59

NDOR SUPPLY INVENTORY SYSTEM
REQUISITIONS/RETURNS EXPENSE REPORT BY OE
FOR PERIOD: 08-29-2012 THRU: 09-25-2012

ORGANIZATION CODE: 904   TITLE: ADMINSTRATIVE

RDO CALL NUMBER	REQ NUMBER	CLASS & STOCK NO	KEYWORD	REQ TYP	SHIPPED DATE	QUANTITY SHIPPED	U/M	AVERAGE PRICE	TOTAL AMOUNT
	1301488	18-56000	TOWEL, PAPER	REQ	09-25-2012	4	CS	14.1107	56.44

TOTAL REQUISITIONS: 20,508.71
TOTAL RETURNS   :   37.80-

ORGANIZATION TOTAL: 20,470.91

APPENDIX M

DATE: 05-29-13
SUPB230

NDOR SUPPLY INVENTORY SYSTEM
PURCHASE ORDERS RECEIVED REPORT
FOR PERIOD: 04-25-2013 THRU: 05-28-2013

PURCHASE ORDER NO	CLASS & STOCK NO	KEY WORD	P/O TYPE	DATE RECEIVED	QUANTITY RECEIVED	U/M	FINAL/CANCEL PARTIAL CODE	DOLLAR AMOUNT
0458247	10-07700	POST MAIL BOX	DOR	05-14-2013	400	EA	F	1,548.00
0458247	10-07800	POST MAIL BOX	DOR	05-14-2013	400	EA	F	1,548.00
					PURCHASE ORDER 0458247 TOTAL:			3,096.00
0466427	85-89710	POST SIGN	DOR	05-09-2013	1,200	EA	F	8,808.00
0466427	85-89796	POST SIGN	DOR	05-09-2013	1,200	EA	F	26,856.00
					PURCHASE ORDER 0466427 TOTAL:			35,664.00
0466429	85-89730	POST SIGN	DOR	05-02-2013	60	EA	F	5,505.00
					PURCHASE ORDER 0466429 TOTAL:			5,505.00
0467248	80-80550	VEST, MESH	DOR	05-01-2013	25	EA	F	157.50
0467248	80-80640	VEST, MESH	DOR	05-01-2013	40	EA	F	252.00
					PURCHASE ORDER 0467248 TOTAL:			409.50
0467804	85-89740	POST SIGN	DOR	05-02-2013	50	BX	F	4,422.00
					PURCHASE ORDER 0467804 TOTAL:			4,422.00
0469210	85-89745	POST SIGN	DOR	05-02-2013	150	BG	F	2,358.00
					PURCHASE ORDER 0469210 TOTAL:			2,358.00
0470241	70-40482	PAPER	DOR	04-30-2013	55	RM	F	248.33
					PURCHASE ORDER 0470241 TOTAL:			248.33
0470245	60-00200	COLD PATCH	DOR	05-01-2013	882	BG	F	7,056.00
					PURCHASE ORDER 0470245 TOTAL:			7,056.00
0470246	60-00200	COLD PATCH	DOR	04-30-2013	882	BG	F	7,056.00
					PURCHASE ORDER 0470246 TOTAL:			7,056.00
0470247	18-36800	TRASH BAG	DOR	05-03-2013	10	CS	F	208.70
					PURCHASE ORDER 0470247 TOTAL:			208.70
0470349	85-89730	POST SIGN	DOR	05-02-2013	50	EA	F	4,587.50
					PURCHASE ORDER 0470349 TOTAL:			4,587.50
0470647	70-40484	PAPER	DOR	04-25-2013	80	RM	P	568.00
0470647	70-40484	PAPER	DOR	04-30-2013	70	RM	P	497.00
					PURCHASE ORDER 0470647 TOTAL:			1,065.00

DATE: 05-29-13
SUPB230

NDOR SUPPLY INVENTORY SYSTEM
PURCHASE ORDERS RECEIVED REPORT
FOR PERIOD: 04-25-2013 THRU: 05-28-2013

PURCHASE ORDER NO	CLASS & STOCK NO	KEY WORD	P/O TYPE	DATE RECEIVED	QUANTITY RECEIVED	U/M	FINAL/CANCEL PARTIAL CODE	DOLLAR AMOUNT
3261610	85-44000	DELINEATOR	DOR	05-15-2013	1,600	EA	F	2,324.80
					PURCHASE ORDER 3261610 TOTAL:			2,324.80
3261636	86-80475	SIGN	DOR	04-30-2013	25	EA	F	1,210.00
					PURCHASE ORDER 3261636 TOTAL:			1,210.00
3261637	52-10000	ISOLATOR	DOR	05-01-2013	40	EA	F	1,680.00
					PURCHASE ORDER 3261637 TOTAL:			1,680.00
3261646	85-96600	WASHER	DOR	04-25-2013	15	C	F	30.45
					PURCHASE ORDER 3261646 TOTAL:			30.45
3261647	52-03085	DETECTOR	DOR	04-29-2013	20	EA	F	5,500.00
					PURCHASE ORDER 3261647 TOTAL:			5,500.00
3261648	85-35400	PAVEMENT MARKER	DOR	04-29-2013	500	EA	F	550.00
					PURCHASE ORDER 3261648 TOTAL:			550.00
3261660	86-50320	SIGN	DOR	04-30-2013	760	EA	P	2,128.00
3261660	86-50320	SIGN	DOR	05-21-2013	19	EA	F	53.20
3261660	86-50320	SIGN	DOR	05-20-2013	401	EA	P	1,122.80
					PURCHASE ORDER 3261660 TOTAL:			3,304.00
3261663	52-03080	DETECTOR	DOR	05-09-2013	20	EA	F	1,919.00
					PURCHASE ORDER 3261663 TOTAL:			1,919.00
3261665	85-89501	POST SIGN	DOR	05-15-2013	18	EA	F	2,107.01
					PURCHASE ORDER 3261665 TOTAL:			2,107.01
3261672	12-00575	ANTIFREEZE,DRUM	DOR	05-15-2013	12	DR	F	385.50
					PURCHASE ORDER 3261672 TOTAL:			385.50
3261681	86-03600	SIGN	DOR	05-03-2013	100	EA	F	160.00
3261681	86-50030	SIGN	DOR	05-03-2013	50	EA	F	2,020.00
3261681	86-50300	SIGN	DOR	05-03-2013	100	EA	F	1,940.00
					PURCHASE ORDER 3261681 TOTAL:			4,120.00
3261692	10-07600	NUT	DOR	04-25-2013	25	C	F	117.80
					PURCHASE ORDER 3261692 TOTAL:			117.80

DATE: 05-29-13
SUPB230

PAGE: 8

NDOR SUPPLY INVENTORY SYSTEM
PURCHASE ORDERS RECEIVED REPORT
FOR PERIOD: 04-25-2013 THRU: 05-28-2013

PURCHASE ORDER NO	CLASS & STOCK NO	KEY WORD	P/O TYPE	DATE RECEIVED	QUANTITY RECEIVED	U/M	FINAL/CANCEL PARTIAL CODE	DOLLAR AMOUNT
3262635	45-19680	WAFER FILLER	DOR	04-29-2013	1,400	EA		9,109.80
				PURCHASE ORDER 3262635 TOTAL:			F	9,109.80
3262636	24-48625	SHOVEL, DIRT	DOR	05-02-2013	11	EA		265.10
				PURCHASE ORDER 3262636 TOTAL:			F	265.10
3262637	45-13610	STROBE LIGHT	DOR	05-10-2013	40	EA		3,520.00
				PURCHASE ORDER 3262637 TOTAL:			F	3,520.00
3262638	80-67100	ADAPTER	DOR	05-06-2013	30	EA		680.70
				PURCHASE ORDER 3262638 TOTAL:			F	680.70
3262640	80-20340	COVERALL	DOR	05-07-2013	12	EA		182.88
				PURCHASE ORDER 3262640 TOTAL:			F	182.88
3262641	80-27020	FIRST AID KIT	DOR	05-07-2013	30	EA		539.70
				PURCHASE ORDER 3262641 TOTAL:			P	539.70
3262643	16-19100	PAINT	DOR	05-03-2013	32	GL		1,197.76
				PURCHASE ORDER 3262643 TOTAL:			F	1,197.76
3262644	24-35900	HOSE, BREAKAWAY	DOR	05-15-2013	12	EA		1,020.00
				PURCHASE ORDER 3262644 TOTAL:			F	1,020.00
3262646	58-08600	SAMPLE, CAN	DOR	05-14-2013	400	EA		988.00
				PURCHASE ORDER 3262646 TOTAL:			F	988.00
3262647	12-06000	FLUID, DIESEL	DOR	05-09-2013	80	BX		1,368.40
				PURCHASE ORDER 3262647 TOTAL:			F	1,368.40
3262649	58-37000	SAMPLE, JAR LID	DOR	05-13-2013	500	EA		11,000.00
				PURCHASE ORDER 3262649 TOTAL:			F	11,000.00
3262650	45-12180	BOLT BLADE	DOR	05-15-2013	12	EA		190.22
				PURCHASE ORDER 3262650 TOTAL:			F	190.22
3290341	70-09900	ENVELOPE	DAS	04-29-2013	21	BX		853.65
3290341	70-11820	ENVELOPE	DAS	04-29-2013	21	BX		826.35
				PURCHASE ORDER 3290341 TOTAL:			F	1,680.00
				GRAND TOTAL:				231,517.67

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DATE: 04-25-13
SUPB220

NDOR SUPPLY INVENTORY SYSTEM
OUTSTANDING PURCHASE ORDER REPORT

PURCHASE ORDER NO	CLASS & STOCK NO	KEY WORD	P.O. TYPE	DATE ORDERED	DATE DUE IN	QUANTITY ORDERED	U/M	ITEM COST
0467804	80-80640	VEST, MESH	DOR	04-04-2013	05-03-2013	40	EA	252.00
						P.O. TOTAL		252.00
0468741	85-89740	POST SIGN	DOR	04-08-2013	05-31-2013	50	BX	4,422.00
						P.O. TOTAL		4,422.00
0469210	80-17640	CAP, BASEBALL	DOR	04-15-2013	05-13-2013	288	EA	2,131.20
						P.O. TOTAL		2,131.20
0470187	85-89745	POST SIGN	DOR	04-16-2013	05-15-2013	150	BG	2,358.00
						P.O. TOTAL		2,358.00
	10-07700	POST MAIL BOX	DOR	04-22-2013	05-31-2013	400	EA	1,548.00
						P.O. TOTAL		1,548.00
	10-07800	POST MAIL BOX	DOR	04-22-2013	05-31-2013	400	EA	1,548.00
						P.O. TOTAL		1,548.00
0470241	70-40482	PAPER	DOR	04-22-2013	05-07-2013	55 BO	RM	220.83
						P.O. TOTAL		220.83
0470245	60-00200	COLD PATCH	DOR	04-22-2013	05-07-2013	882	BG	7,056.00
						P.O. TOTAL		7,056.00
0470246	60-00200	COLD PATCH	DOR	04-22-2013	05-07-2013	882	BG	7,056.00
						P.O. TOTAL		7,056.00
0470247	18-36800	TRASH BAG	DOR	04-22-2013	05-07-2013	10	CS	208.70
						P.O. TOTAL		208.70
0470345	85-14100	POST DELINEATOR	DOR	04-24-2013	05-31-2013	4,000	EA	18,360.00
						P.O. TOTAL		18,360.00

NDOR SUPPLY INVENTORY SYSTEM
OUTSTANDING PURCHASE ORDER REPORT

PURCHASE ORDER NO	CLASS & STOCK NO	KEY WORD	P.O. TYPE	DATE ORDERED	DATE DUE IN	QUANTITY ORDERED	U/M	ITEM COST
3262632	80-18000	CLOTH	DOR	04-17-2013	04-26-2013	4	RL	464.00
						P.O. TOTAL		464.00
3262633	24-09400	CASTER	DOR	04-22-2013	05-07-2013	20	EA	597.80
						P.O. TOTAL		597.80
3262635	45-19680	WAFER FILLER	DOR	04-23-2013	05-15-2013	1,400	EA	9,125.20
						P.O. TOTAL		9,125.20
3262636	24-48625	SHOVEL, DIRT	DOR	04-22-2013	05-07-2013	11 BO	EA	265.10
						P.O. TOTAL		265.10
3262637	45-13610	STROBE LIGHT	DOR	04-23-2013	05-15-2013	40	EA	3,520.00
						P.O. TOTAL		3,520.00
3262638	80-67100	ADAPTER	DOR	04-24-2013	05-07-2013	30	EA	680.70
						P.O. TOTAL		680.70
3262640	80-20340	COVERALL	DOR	04-24-2013	05-20-2013	12	EA	182.88
						P.O. TOTAL		182.88

TOTAL OUTSTANDING   283,855.33

DATE: 04-25-13
SUPB290

NDOR SUPPLY INVENTORY SYSTEM
CLASS-STOCK PRODUCTS ADDED & DELETED REPORT
FOR PERIOD: 03-27-2013 THRU: 04-24-2013

PAGE: 1

ADD/ DEL	CLASS & STOCK NO	KEY WORD	U/M	----------- PRODUCT DESCRIPTION -----------	UPDATE ID	UPDATE DATE
ADD	58-24000	SECURITY SEAL	EA	HEAVY DUTY PLASTIC SEALS	DR11026	04-22-2013
DEL	58-17200	NAIL, MASONRY	BX	PARKER-KALFON 1/4" X 2 1/2" GALVANIZED 100 PER BX	DR19042	04-11-2013
DEL	58-21100	ROD FIBERGLASS	EA	MOUNDS CITY STANDARD ENGLISH, 25FT, 10THS/100THS	DR19042	04-17-2013
DEL	60-00116	BOX, PACKING	EA	6" X 6" X 6", CARDBOARD	DR19042	04-22-2013
DEL	86-00103	SIGN	EA	FUEL SYMBOL	DR11026	04-22-2013
DEL	86-02143	SIGN	EA	DIVIDED HWY SYMBOL 48X48 YELLOW	DR11026	04-22-2013
DEL	86-02200	SIGN	EA	CONTROLLED ACCESS HWY 24X24	DR11026	04-04-2013
DEL	86-02203	SIGN	EA	TRUCK 24X12	DR11026	04-22-2013
DEL	86-02207	SIGN	EA	ALT 24X12	DR11026	04-22-2013
DEL	86-02210	SIGN	EA	ALTERNATE 24X12	DR11026	04-22-2013
DEL	86-06001	SIGN	EA	NO HWY LITTERING 48X48	DR11026	04-04-2013
DEL	86-06016	SIGN	EA	BUCKLE UP/HELMET LAW 60X48	DR11026	04-22-2013
DEL	86-07017	SIGN	EA	VEHICLE TOWING MOBILE HOME 36X36	DR11026	04-22-2013
DEL	86-48050	SIGN	EA	SPEED LIMIT 50 MPH 48X60	DR11026	04-22-2013
DEL	86-50405	SIGN	EA	BRIDGE MAY BE ICY 48X48 HINGED	DR11026	04-04-2013
DEL	86-60019	SIGN	EA	WHEEL CHAIR SYMBOL	DR11026	04-22-2013
DEL	86-90410	SIGN	EA	2 HEAD STRAIGHT - SLANT RIGHT (WHITE) 21X15	DR11026	04-22-2013

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          JOB
          NUM        YEARLY BATCH JOB SUBMITTAL SELECTIONS

          === =================================================


           81 SALES DOLLARS BY CLASS REPORT                          SUPB300
               SELECT BY FROM/THRU DATES


           82 STOCK PRODUCTS NOT ISSUED SINCE REPORT                 SUPB310
               SELECT BY NOT ISSUED SINCE DATE


           83 CLASS-STOCK PRODUCTS ADDED/DELETED REPORT              SUPB290
               SELECT BY FROM/THRU DATES
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 JOB SELECTION:
 DATES (M-D-Y)      FROM:               THRU:



 PRINTER SELECTION: 2297


PF1 =JOBMENU PF2 =         PF3 =SUPMENU PF4 =         PF5 =         PF6 =
PF7 =DAILY    PF8 =WEEKLY  PF9 =MONTHLY PF10=YEARLY  PF11=PHY INV PF12=CLEAR


ENTER JOB SELECTION - PRESS ENTER
```

DATE: 06-18-14
SUPB180

NDOR SUPPLY INVENTORY SYSTEM
YEARLY PERIOD END TABLE UPDATES

NUMBER OF INVENTORY MASTER RECORDS READ   1,021
NUMBER OF INVENTORY MASTER RECORDS UPDATED   1,021

```
DATE:  06-18-14                                          NDOR SUPPLY INVENTORY SYSTEM                              PAGE:    1
SUPB300                                                    SALES DOLLARS BY CLASS
                                          FOR PERIOD: 06-19-2013  THRU: 06-17-2014


                                             CLASS        SALES DOLLARS

                                               10           149,857.26

                                               12           199,156.76

                                               16            24,910.15

                                               18           180,793.58

                                               24            66,586.13

                                               45         1,395,304.76

                                               50            12,067.30

                                               52           229,846.50

                                               58            88,553.01

                                               60           156,227.51

                                               70           102,845.72

                                               80           167,026.26

                                               85           918,151.87

                                               86           706,000.49

                                             TOTAL        4,397,327.30
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NDOR SUPPLY INVENTORY SYSTEM
STOCKED PRODUCTS NOT ISSUED SINCE 06-19-2013

CLASS & STOCK NO	KEY WORD	U/M	PART NUMBER	PRODUCT DESCRIPTION	DATE LAST ISSUED	QTY ON HAND	LOCATION
10-01000	BOLT GUARD RAIL	EA	F-3 (11/4")	5/8" X 1 1/4" BUTTON HEAD BOLT & RECESS NUT	05-20-2013	275	101-0F-00-078
10-21055	POST GUARD RAIL	EA		STEEL W6" X 4" X 6', 8.5LB	06-17-2013	69	107-0C-02-006
12-55900	PUMP GAS	EA	9152Q	W/METER 3/4 HP 10 GPM GASBOY	07-06-2010	3	101-0G-FL-009
24-18000	BIT JACK HAMMER	EA	BOSH S2167	ASPHALT CUTTER 6" X 1 1/8" HEX SHANK, BOSH S2167	08-17-2012	7	101-0F-00-071
24-35500	HOSE, WHIP	EA		3/4" X 8" FOR GAS PUMPS	03-12-2013	5	101-0F-00-066
24-49000	CLAMP CABLE	EA	TO BE DELETE	GALVANIZED 5/16" FOR WIRE ROPE	03-22-2013	62	101-0F-00-063
24-49200	CLAMP CABLE	EA	TO BE DELETE	GALVANIZED 3/8" FOR WIRE ROPE	03-01-2013	34	101-0F-00-119
24-49600	CLAMP CABLE	EA	TO BE DELETE	GALVANIZED 1/2" FOR WIRE ROPE, 50/PK	03-08-2013	25	101-0F-00-065
24-50000	CLAMP CABLE	EA	TO BE DELETE	GALVANIZED 5/8" FOR WIRE ROPE, 25/PK	03-01-2013	31	101-0F-00-057
52-04050	FLASHER	EA		2 CIR IN METAL CABINET	04-11-2013	3	101-0G-03-202
52-04100	FLASHER	EA		2 CIRCUIT METAL CABINET, TIME CLOCK	08-06-2012	2	101-0G-05-201
52-17134	WASHER	ST		RECT GALV STEEL, 4/SET (FOR TB1-17 MOD)	05-07-2013	47	105-0B-04-302
52-33110	TRANS BASE,USED	EA		TB1-20 11"-13" BC TOP, 13"-15" BC BOTTOM	05-16-2013	3	109-0A-01-005
52-33460	LUMINAIRE USED	EA		LUMINAIRE 1000 WATT HPS OFFSET	04-29-2013	5	106-0A-03-003
52-33610	COVERS NUT USED	KT	2127	4 NUT COVERS/KIT SOME DRILLING REQUIRED	04-20-2012	19	105-0B-04-401
52-40002	POLE LIGHT USED	EA		POLE SHAFT 10' 4"X4" BLACK FOR REST	10-23-2012	12	107-0E-01-006
52-40115	POLE LIGHT USED	EA		35' 12-131/2 BC 30" SIMPLEX W/12'MASTARM	05-28-2013	2	109-0A-02-000
52-40120	POLE LIGHT USED	EA		POLE SHAFT 45' 12 1/2"-13 1/2" BC TENON TOP	12-18-2012	29	109-0A-03-001
58-01460	BAG, PAPER	BD		NO 8 EXTRA HEAVY DUTY 6 1/2" X 12 1/2" 500/BD	05-22-2012	3	103-0A-05-010
58-08650	DRIVER REBAR	EA	SHOP JOB	FOR DRIVING 5/8" REBAR (SHOP JOB)	05-16-2013	7	101-0F-00-115
60-00100	BOX, PACKING	EA		4"X4"X4", CARDBOARD	06-12-2013	50	101-0J-02-203
70-11975	ENVELOPE, POLY	FA		7" X 5 1/2" BACK LOADING (FOR PACKING SLIP)	10-28-2011	47	103-0A-08-026
70-45675	PAPER, LTR HEAD	PK		DOR LETTER HEAD W/DIST 6 RETURN ADDRESS 100 PER PK	08-06-2012	4	103-0A-10-018
70-45690	PAPER, LTR HEAD	PK		DOR LETTER HEAD W/DIST 8 RETURN ADDRESS 100 PER PK	08-21-2012	2	103-0A-10-019
70-60927	PLAN BAG	EA		5 3/8" X 3 5/8" X 38" MAILING FOR ROLLS OF PLANS	03-15-2013	125	103-0A-12-030
70-89010	FORM-ORM	PK	4-02-21	OFC OF RISK MGT VEHICLE ACCIDENT REPORT 25ST/PK	08-10-2007	12	103-0A-11-029
70-89210	FORM DR-169	PD	TO BE DELETE	JUL 06 FORKLIFT OPERATOR'S CHECKLIST	12-02-2011	21	103-0A-11-019
80-11000	RAIN SUIT	EA	NO-RE-ORDER	RAIN SUIT, JACKET SMALL W/REFLECTIVE	02-05-2013	4	103-0A-11-015
80-11006	RAIN SUIT	EA	NO-RE-ORDER	RAIN SUIT, PANTS SMALL W/REFLECTIVE	02-05-2013	9	103-0A-11-016
80-17850	CHINSTRAP	EA	WILLSON HC42	FOR V-GUARD MSA HELMET	05-01-2013	18	103-0A-06-011
80-20325	COVERALL	PR	TO BE DELETE	MED WHITE ZIP FRONT TYVEK CHEMICAL RESISTANT 12/BX	12-12-2012	3	103-0A-03-035
80-20340	COVERALL	EA		4XL, WHITE ZIP FRONT TYVEK CHEM RESISTANT 12/BX	04-25-2013	21	103-0A-01-030
80-20350	COVERALL	PR		LRG WHITE ZIP FRONT TYVEK CHEMICAL RESISTANT 12/BX	12-06-2012	7	103-0C-04-017
80-27900	GLOVES, RUBBER	PR	EDMONT 29-86	BLACK RUBBER HD LONG MED SZ 9 (TREAT PLANT/CHEM)	05-20-2013	12	103-0B-01-029
80-31500	HARD HAT ADAPTR	KT	WILLSON HC34	FOR KWIP KLIP HEADGEAR, FOR SLOTTED V-GARD HELMET	10-15-2012	12	103-0A-06-015

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APPENDIX M

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DATE: 06-18-14                                                                                          PAGE:  1
SUPB290
                       NDOR SUPPLY INVENTORY SYSTEM
                 CLASS-STOCK PRODUCTS ADDED & DELETED REPORT
                 FOR PERIOD: 06-19-2013 THRU: 06-17-2014
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ADD/DEL	CLASS & STOCK NO	KEY WORD	U/M	PRODUCT DESCRIPTION	UPDATE ID	UPDATE DATE
ADD	58-00900	SAMPLE, CAN	EA	1/2 GALLON, METAL, WITH LID	DR11026	05-21-2014
ADD	60-00900	BOX, PACKING	EA	7"X5"X8 1/2" CARDBOARD	DR11026	05-21-2014
ADD	80-28280	GLOVES, NITRILE	BX	DISPOSABLE NITRILE, 2XL, 50/BX	DR11026	07-25-2013
ADD	86-00002	SIGN	EA	HONOR TO THE VETERANS	DR11026	05-12-2014
ADD	86-11111	SIGN	EA	DRINKING WATER PROTECTION 30X36	DR11026	01-29-2014
ADD	86-11112	SIGN	EA	DRINKING WATER PROTECTION 24X30	DR11026	01-29-2014
DEL	10-07410	BOLT	BX	5/16"X21/4" FRANKLIN BOLT KIT 200/BX	DR11026	08-21-2013
DEL	10-13500	POST FENCE	EA	END WOOD TREATED ROUND 6"X8'	DR19042	10-02-2013
DEL	12-08417	OIL, GEAR	DR	SAE 85W-140 MULTI-PURPOSE 120 LB DRUM (16 GALLON)	DR11026	01-29-2014
DEL	12-08522	OIL, MOTOR	CS	SAE 5W30 APT/SM 6/CS	DR19042	02-03-2014
DEL	16-01000	FERTILIZER	BG	FOR SEEDING SPRING & FALL 16-48-0 OR 18-46-0 50LB/	DR19042	03-03-2014
DEL	16-19000	PAINT	GL	ORANGE LEAD FREE DUPONT CENTARI LF31A	DR19042	04-11-2014
DEL	16-26200	PAINT	GL	LEAD FREE BUTTERSCOTCH IMRON 5000 (04-07 STERLING)	DR19042	04-14-2014
DEL	16-41375	TRICHLOR	DR	OETHYLENE TECH GRADE 30 GL DRUM TEST LAB ONLY	DR19042	07-02-2013
DEL	16-41425	DRUM	DR	NEW 17E 55GL (18GA) FOR USED TCE BLK/W/WH TOP	DR19042	07-09-2013
DEL	45-13621	STROBE LIGHT	EA	SELF CONTAINED, 12V CLEAR	DR11026	12-17-2013
DEL	45-18140	CHAIN TIRE	FT	CROSS CHAIN TWIST LINK 5/16	DR19042	09-25-2013
DEL	45-18360	CHAIN TIRE	PR	11.00-22, 12.00-20, 12-24.5 (NACM 2255)	DR11026	12-17-2013
DEL	52-01230	BULB	EA	USE FOR 8" WARNING & WALK, DON'T WALK PEDEST HEADS	DR19042	03-10-2014
DEL	52-01240	BULB	EA	USE FOR ALL RED & GRN 12" VEH HEADS EXCEPT CTR BLK	DR19042	03-10-2014
DEL	52-02025	CONTROLLER,USED	EA	USED TRAFFIC SIGNAL	DR19042	05-12-2014
DEL	52-02145	CONTROLLER,USED	EA	USED TRAFFIC SIGNAL	DR19042	05-12-2014
DEL	52-13100	FIXTURE, LIGHT	EA	HUBBELL, KEMLUX KS, 35 WATT HPS, 120 VOLT	DR19042	03-20-2014
DEL	52-14000	MOUNTING	EA	ASSY SINGLE HEAD FOR 4 1/2" OD PEDESTAL POLE	DR19042	03-10-2014
DEL	52-16025	PED POLE	ST	ANCHOR BOLTS, 3/4", W/WASHERS AND NUTS, SET OF 4	DR11026	01-27-2014
DEL	52-29010	VISOR	EA	8" TUNNEL TYPE	DR19042	03-10-2014
DEL	52-33330	FOUND PWR USED	EA	SCREW IN FOUNDATION 6'	DR11026	09-23-2013
DEL	52-33420	LUMINAIRE USED	EA	250 WATT HPS W/FLAT LENS & RECEPTICLE FOR P.C.	DR19042	03-26-2014
DEL	52-33470	LUMINAIRE USED	EA	400 WATT POWER SPOT LIGHT	DR19042	03-20-2014
DEL	52-40005	POLE LIGHT, NEW	EA	POLE SHAFT 40', 13.5" BC, W/6' SINGLE MAST ARM	DR19042	03-20-2014
DEL	52-40010	POLE LIGHT USED	EA	POLE 27', BC 27" SIMPLEX	DR19042	03-20-2014
DEL	52-40030	POLE LIGHT USED	EA	POLE 33', BC 27" SIMPLEX 13 1/2 BC	DR11026	03-25-2014
DEL	52-40035	POLE LIGHT USED	EA	POLE SHAFT 33'-7", 27' SIMPLEX W/MAST ARM	DR11026	03-25-2014

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DATE: 06-18-14
SUPB290

NDOR SUPPLY INVENTORY SYSTEM
CLASS-STOCK PRODUCTS ADDED & DELETED REPORT
FOR PERIOD: 06-19-2013 THRU: 06-17-2014

ADD/ DEL	CLASS & STOCK NO	KEY WORD	U/M	------------ PRODUCT DESCRIPTION ------------	UPDATE ID	UPDATE DATE
DEL	86-50000	SIGN	EA	HORIZONTAL ALIGNMENT LEFT TURN 30X30	DR11026	09-23-2013
DEL	86-50020	SIGN	EA	HORIZONTAL ALIGNMENT RIGHT TURN 30X30	DR19042	04-01-2014
DEL	86-60003	SIGN	EA	1/2 MILE BLUE	DR19042	02-26-2014
DEL	86-60030	SIGN	EA	FRESH OIL ORANGE 30X30	DR11026	09-05-2013
DEL	86-60050	SIGN	EA	UNEVEN LANES YELLOW	DR11026	08-30-2013
DEL	86-90050	SIGN	EA	EAST (BLUE) 24X12	DR11026	12-30-2013
DEL	86-90110	SIGN	EA	TO (BLUE) 24X12	DR11026	11-12-2013

APPENDIX M

COST ACCOUNTING REPORTS
CSTEOM3 REQUEST FORM

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1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5
1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8
//STEP EXEC CSTEOM3,DATE='      ','TOTALS='
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201306 ('DATE')
201306003399926 ('TOTALS')

CCYYMM — BUSINESS DATE COLS 27 - 32

CCYYMM — BUSINESS DATE COLS 43 - 48

TOTAL AMOUNT COLS 49 - 59

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PGM: KPLIST
                              NEBRASKA DEPARTMENT OF ROADS
                         ACCOUNTS PAYABLE - SUPPLY INVENTORY SYSTEM                      PAGE:  1
                                                                                        DATE: 07-01-13
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TRANS CODE	P.O. NUMBER	RETURNED GOODS NO.	BATCH NO.	CLASS & STOCK NO.	AMOUNT	VOUCHER NUMBER	VOUCHER AMOUNT	LIQUIDATION IS COMPLETE	NET PAYABLE	DIFFERENCE
	0444077					0545499	22500.00			
TOTAL	0444077						22500.00	YES	22500.00-	22500.00-
06	0458268									
	0458268					0548384	1073.00			
	0458268			18 36900	908.50	0548384	164.50-			
TOTAL	0458268			85 14100	908.50		908.50	YES		
06	0462157			85 14100	22950.00					
TOTAL	0462157				22950.00			NO	22950.00	
06	0463491									
	0463491					0548385	1073.00			
	0463491			18 36900	908.50	0548385	164.50-			
TOTAL	0463491				908.50		908.50	YES		
06	0463498									
	0463498					0548386	246.50			
	0463498			18 36800	208.70	0548386	37.80-			
TOTAL	0463498				208.70		208.70	YES		
06	0464187			80 17645	2116.40	0548219	2116.40			
TOTAL	0464187				2116.40		2116.40	YES		
06	0466431			85 89553	553.00					

APPENDIX M

PGM: KPLIST

NEBRASKA DEPARTMENT OF ROADS
ACCOUNTS PAYABLE - SUPPLY INVENTORY SYSTEM

TRANS CODE	P.O. NUMBER	RETURNED GOODS NO.	BATCH NO.	CLASS & STOCK NO.	AMOUNT	VOUCHER NUMBER	VOUCHER AMOUNT	LIQUIDATION IS COMPLETE	NET PAYABLE	DIFFERENCE
TOTAL	0466431				553.00			NO	553.00	553.00
06	0468741			80 17640	2146.00	0548845	2146.00			
TOTAL	0468741				2146.00		2146.00	YES		
	0470241					J306020	10.00-			
	0470241					0546395	90.30			
	0470241					0546395	248.33			
06	0470241			70 40482	248.33					
06	0470241			70 40482	80.30					
TOTAL	0470241				328.63		328.63	YES		
06	0470246			60 00200	7056.00	0547867	7056.00			
TOTAL	0470246				7056.00		7056.00	YES		
06	0470773			18 36850	1597.00	0548387	1597.00			
TOTAL	0470773				1597.00		1597.00	YES		
06	0472280			85 89710	7340.00	0548838	7340.00			
TOTAL	0472280				7340.00		7340.00	YES		
06	0472282			85 10220	3120.00	0548839	3120.00			

NOTE: When the user opens the application, they are verified by Active Directory. The first thing they should see is what is shown below.

Welcome Teresa, select a location

⦿ Beatrice (selected)
◯ Dorchester
◯ Fairbury
◯ Pawnee City

| Review Orders | | Create Order |

| Return ▶ |
| Damaged |
| Surplus |
| Solvent |
| Other |

NOTE: We will have external customers as well who are limited on what they can order.

Welcome, you are placing an order for;

LANCASTER COUNTY

| Review Orders | | Create Order |

Class Code   [85 ▼]

Stock Number   [43200 ▼]

Item Name   [85 ▼]

Description

[Separate descriptions with commas]

Testing Required   ○ Yes ○ No

Account Code   [4344 ▼]

Activity 1   [4211 ▼]   Activity 2   [4212 ▼]

Min. Balance   [1500]   Max. Balance   [3000]

Item Location   [1060B09103 ▼]

Beginning Year Quantity

Quantity Issued This Year

Quantity Issued Last Year

Average Unit Price

Total Value

[Save Changes]   [Print Bin Label]

Cart **0**

search

| Construction and Maintenance Materials |
| Vehicle fluids, Lubricants and Related Items |
| Chemicals, paints and Agricultural Items |
| Janitorial Supplies |
| Hardware, hand Tools and Miscellaneous Items |
| Seasonal Equipment Replacement Parts and Accessories |
| Electrical Supplies |
| Signal and Lighting Materials |
| Laboratory, Surveying and Engineering Equipment |
| Operating and Maintenance Supplies |
| Paper, Forms and Office Supplies |
| Safety and Medical Supplies |
| Highway Sign Materials and pavement Markers |
| Roads Signs |
| Capital Assets |

ITEM		DESCRIPTION	ON HAND	QUANTITY
Oil Spill Kit		Kaddie, With Contents	5	1
Sock Absorbent		Sock Oil Absorbent 12 per box	10	0
Mat Top Barrel		Mat, 55 Gallon 25 per box	10	3
Antifreeze		50/50 Premix Ext Life for Light and	8	3
Washer Fluid		Windshield Washer, All Season 6 Gallons per case	4	6
Transmission Fluid		CS Automatic, 5 Gallon	20	3
Hydraulic Fluid		DR 55 Gallon	5	3

NOTE: Click or hover on the picture and the full size version should pop-up.

Proceed to Checkout

APPENDIX N

0 Cart ▾

ITEM	DESCRIPTION	QUANTITY	Activity
Oil Spill Kit	Kaddie, With Contents	1	4382
Sock Absorbent	Sock Oil Absorbent 12 per box	0	4221
Mat Top Barrel	Mat, 55 Gallon 25 per box	3	4385
Antifreeze	50/50 Premix Ext Life for Light and	3	4382
Washer Fluid	Windshield Washer, All Season 6 Gallons per case	6	4382
Transmission Fluid	CS Automatic, 5 Gallon	3	4382
Hydraulic Fluid	DR 55 Gallon	3	4382
Diesel Fluid	BX Diesel Exhaust Fluid 2 per box	3	4382

Continue Shopping   Submit Order

APPENDIX N

ITEM	PURCHASED DATE	QUANTITY RETURNED
Gloves	10/22/2013	15
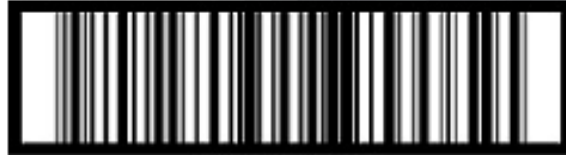
Reason For Return

10012345678902

Plow Blades	11/18/2012	5

Reason For Return

10012345678902

| Back to Return Selection | Print Return Form | Exit |

APPENDIX N

search   From: 01/01/2012   To: 12/31/2014

ITEM	Requisition No.	DATE ORDERED	QUANTITY ORDERED
☐ Gloves	**1402693**	10/24/2012	20
☑ Gloves		10/22/2013	15

Reason For Return

10

| ☑ Plow Blades | | 11/18/2012 | 5 |

Reason For Return

3

☐ Plow Blades		11/08/2013	10
☐ Sign		10/24/2012	2
☐ Toilet Paper		01/14/2014	3

Return to Login   Process Surplus   Exit

APPENDIX N

ITEM	PURCHASED DATE	SURPLUS AMOUNT
Gloves	10/22/2013	15

┌─ Reason For Return ─────────────────────────┐
│   │
│   │
│   │
│   │
└───┘

10012345678902

Plow Blades	11/18/2012	5

┌─ Reason For Return ─────────────────────────┐
│   │
│   │
│   │
│   │
└───┘

10012345678902

Back to Return Selection	Print Surplus Form	Exit

Nebraska Information Technology Commission

Project Proposal Form

**Funding Requests
for Information Technology Projects**

2015-2017 Biennial Budget

IMPORTANT NOTE: Project proposals should only be submitted by entering the information into the Nebraska Budget Request and Reporting System (NBRRS). The information requested in this Microsoft Word version of the form should be entered in the NBRRS in the "IT Project Proposal" section. The tabs in the "IT Project Proposal" section coincide with sections contained in this Microsoft Word version of the form. Information may be cut-and-pasted from this form or directly entered into the NBRRS. ALSO NOTE that for each IT Project Proposal created in the NBRRS, the submitting agency must prepare an "IT Issue" in the NBRRS to request funding for the project.

Project Title	**ARMS ENHANCEMENTS**
Agency/Entity	**Department of Roads**

Notes about this form:

1. **USE.** The Nebraska Information Technology Commission ("NITC") is required by statute to "make recommendations on technology investments to the Governor and the Legislature, including a prioritized list of projects, reviewed by the technical panel..." Neb. Rev. Stat. § 86-516(8). "Governmental entities, state agencies, and noneducation political subdivisions shall submit all projects which use any combination of general funds, federal funds, or cash funds for information technology purposes to the process established by sections 86-512 to 86-524. The commission may adopt policies that establish the format and minimum requirements for project submissions." Neb. Rev. Stat. § 86-516(5). In order to perform this review, the NITC and DAS Budget Division require agencies/entities to complete this form when requesting funding for technology projects.

2. **WHICH TECHNOLOGY BUDGET REQUESTS REQUIRE A PROJECT PROPOSAL FORM?** See NITC 1-202 available at http://nitc.ne.gov/standards/. Attachment A to that document establishes the minimum requirements for project submission.

3. **COMPLETING THE FORM IN THE NEBRASKA BUDGET REQUEST AND REPORTING SYSTEM (NBRRS).** Project proposals should only be submitted by entering the information into the NBRRS. The information requested in this Microsoft Word version of the form should be entered in the NBRRS in the "IT Project Proposal" section. The tabs in the "IT Project Proposal" section coincide with sections contained in this Microsoft Word version of the form. Information may be cut-and-pasted from this form or directly entered into the NBRRS. ALSO NOTE that for each "IT Project Proposal" created in the NBRRS, the submitting agency must prepare an "IT Issue" in the NBRRS to request funding for the project.

4. **QUESTIONS.** Contact the Office of the CIO/NITC at (402) 471-7984 or ocio.nitc@nebraska.gov

General Information

Project Title	ARMS Enhancements
Agency (or entity)	Department of Roads

Contact Information for this Project:

Name	Bill Wehling
Address	1500 Highway 2
City, State, Zip	Lincoln, NE 68502
Telephone	402-479-3986
E-mail Address	Bill.wehling@nebraska.gov

Executive Summary

ARMS stands for **A**utomated **R**ight-of-Way **M**anagement **S**ystem. In the late 90s, the head of our Right-of-Way (ROW) Division had this idea of a workflow solution to handle the ROW process from the time preliminary plans came to the Division until the purchasing of ROW had been completed and the project was to be archived. They worked with developers at NDOR to design a system that used Lotus Notes as the base, since at that time it was the e-mail system that was used by most State Agencies. In 2008, the Office of the CIO (OCIO) began to implement a statewide e-mail system based on Microsoft Outlook. Agencies were to eliminate other mail systems, which meant NDOR had to get rid of Lotus Notes. That being the case, we began work on developing an RFP to find a vendor who could provide a Commercial off the Shelf (COTS) system to replace ARMS. All of this, including the award of the RFP, was completed prior to the decision to implement OnBase as the Enterprise Content Management System (ECMS) for the State.

As with a number of software implementations, as the work was being done a number of enhancements arose once the ROW Division began testing the software. We also discovered a number of items that we overlooked in the RFP that should have been included. Also, change in leadership along with other key members in the Division has led to changes in their processes which need to be taken into account in the system. The implementation has been going on for over two years and final sign-off for the RFP is planned in June, 2015. Once that is done, we will be in maintenance mode and any enhancements or additional work must be done as separate statements of work. That is the reason for this project.

Goals, Objectives, and Projected Outcomes (15 Points)

1. **Describe the project, including:**
    - **Specific goals;**
      Provide the ROW Division with a system that will process projects from inception until completion and eventually archived once final payments have been made on the project contract.
    - **and objectives;**
      o   Implement enhancement as a result of items that were overlooked in the RFP
      o   Implement enhancements that arose once the ROW Division began testing the software
      o   Implement changes in business processes due to changes in management with ROW
      o   Implement a process to move records from ARMS to OnBase once they are in a completed status so the archiving function can be accomplished using the State ECMS.

- **Expected beneficiaries of the project**
  ROW Division employees who will have one system from beginning to end of a project. ROW management, the Administration, Division Heads and District Engineers will be able to see the status of projects from beginning to end of a project.

- **Expected outcomes.**
  A one stop shop for ROW projects from beginning to end and then interfacing with OnBase to transfer records for archiving and records retention.

2. **Describe the measurement and assessment methods that will verify that the project outcomes have been achieved.**
   For each statement of work that will need to be created, there will be specific deliverables identified that must be completed in an acceptable manner. For example, one of these enhancements is a set of documents that must be created. The assessment method for those will be the ROW information is correct, it is formatted properly and it can be printed on one or two pages depending on the form.

3. **Describe the project's relationship to your agency comprehensive information technology plan.**
   The NDOR has a goal of standardizing on a Microsoft based environment utilizing the Microsoft .NET framework and SQL Server for our database. We want to decrease the number of tools we have to maintain and support in our technology area. The ARMS software runs in the .NET framework and on SQL server.

Project Justification / Business Case (25 Points)

4. **Provide the project justification in terms of tangible benefits (i.e. economic return on investment) and/or intangible benefits (e.g. additional services for customers).**
   A new system that takes advantage of current technology will allow us to;
   The addition of the missing RFP items, enhancements and changes to workflow will allow members of the ROW Division to automate a number of additional tasks and documents which will decrease the amount of time that is needed in the process. This will not only complete projects sooner but also provide information to other Divisions and Districts in a timely matter so they can complete their work as well. Currently with the new system being used on some projects, not having some of these completed is causing a delay in project delivery.

   The integration with OnBase will ensure that records retention policies will be followed as well, so we are not keeping any records longer than what they should be kept.

5. **Describe other solutions that were evaluated, including their strengths and weaknesses, and why they were rejected. Explain the implications of doing nothing and why this option is not acceptable.**
   As stated earlier, an RFP was developed and awarded to a company. This company is in the process of implementing the solution, which we hope to have completed by June, 2015 and then move on to maintenance mode. This project is to enhance the current system.

6. **If the project is the result of a state or federal mandate, please specify the mandate being addressed.**
   Since all agencies were directed to move away from their current e-mail systems to Microsoft Outlook, it could be said that it was a state mandate that had to be addressed with the RFP that was awarded.

Technical Impact (20 Points)

7. **Describe how the project enhances, changes or replaces present technology systems, or implements a new technology system. Describe the technical elements of the project, including hardware, software, and communications requirements. Describe the strengths and weaknesses of the proposed solution.**
   This project is to build on the ARMS that we are planning on completing implementation by June, 2015. There should be no additional hardware required and software will be modified, with additional code required for some enhancements that were identified. This is a COTS solution and will be maintained by the vendor under our current agreement. One weakness of this arrangement is the definition of a change; is it an enhancement or a bug fix? We have struggle with that on a number of issues with the vendor and it takes time to resolve, which means work is not getting done or is delayed.

8. **Address the following issues with respect to the proposed technology:**
   - **Describe the reliability, security and scalability (future needs for growth or adaptation) of the technology.**
   - **Address conformity with applicable NITC technical standards and guidelines (available at http://nitc.ne.gov/standards/) and generally accepted industry standards.**
   - **Address the compatibility with existing institutional and/or statewide infrastructure.**
     The applications and related data is hosted on infrastructure supported by the OCIO, so therefore it will comply with all NITC standards and guidelines. The OCIO is also very flexible when it comes to future growth and provides the redundancy and backups that we requested.

Preliminary Plan for Implementation (10 Points)

9. **Describe the preliminary plans for implementing the project. Identify project sponsor(s) and examine stakeholder acceptance. Describe the project team, including their roles, responsibilities, and experience.**
   Project Sponsors – Bob Frickel, ROW Division Head
   Project Manager – Keil Wilson, BTSD Project Manager
   Business Team Leader – Dave Ells, Jim Hertzel & Kurt Svoboda, ROW Division
   Data Team Leader – Lou Anne Daugherty, NDOR Data Warehouse Manager or one of her staff
   Other stakeholders include the various sections in ROW Division; Appraisal, Negotiation, Highway Beautification, Design and Property Management.

10. **List the major milestones and/or deliverables and provide a timeline for completing each.**
    Since the current project has not been completed, we have not determined any milestones or timelines for the completion of the identified enhancements and other items.

11. **Describe the training and staff development requirements.**
    Most of our ROW Division has already been trained on the system as part of the requirements for system testing. As enhancements are completed there will need to be short training sessions on how to use the new functionality. Those will be handled by the ROW Division leaders along with the Business Team Leaders.

12. **Describe the ongoing support requirements.**
    Frontline support will be done by members of the ROW Division support team. Anything that they cannot figure out will be sent to the vendor as part of an ongoing maintenance and support agreement.

Risk Assessment (10 Points)

13. Describe possible barriers and risks related to the project and the relative importance of each.
1. Selected vendor did not have a complete understanding of the project
2. Vendor does not supply enough resources or their resources do not meet expectations
3. Resources are unavailable from the stakeholders or BTSD
4. Personnel changes for various reasons such as promotions, transfers or personal issues
5. Issues with data conversion

14. Identify strategies which have been developed to minimize risks.
1. Try to have well defined requirements in each statement of work that are specific along with other expectations.
2. Have the required skills defined in each statement of work and as part of the response require experience of those who will be involved in the project. If problems occur after vendor selection then meet with the vendor to discuss possible changes.
3. Move responsibilities around within our own division and work with other divisions to determine when resources will be available and coordinate activities to best fit with the stakeholder's workload.
4. This may require a change in schedule in order to get someone up to speed and also reassigning of duties. We may need to reevaluate the workflow solutions if a new manager takes over and wants to change things.
5. Work with the vendor to develop a solution. We should also do our best to map out a data migration plan as part of the RFP. Worst case scenario is we have to convert to DB2 and then move to SQL after the project is complete.

Financial Analysis and Budget (20 Points)

15. Financial Information

The "Financial" information tab in the Nebraska Budget Request and Reporting System (NBRRS) is used to enter the financial information for this project (NOTE: For each IT Project Proposal created in the NBRRS, the submitting agency must prepare an "IT Issue" in the NBRRS to request funding for the project.)

Worksheet in Project
Proposal Form.xls

Nebraska Information Technology Commission
Project Proposal Form
Section 8: Financial Analysis and Budget

	Prior Expended	FY2015 Appr/Reappr	FY2016 Request	FY2017 Request	Future	Total
1. Personnel Costs						$ -
2. Contractual Services						
2.1 Design			$ 75,000.00	$ 75,000.00		$ 150,000.00
2.2 Programming			$ 100,000.00	$ 100,000.00		$ 200,000.00
2.3 Project Management			$ 75,000.00	$ 75,000.00		$ 150,000.00
2.4 Other						$ -
3. Supplies and Materials						$ -
4. Telecommunications						$ -
5. Training						$ -
6. Travel						$ -
7. Other Operating Costs						$ -
8. Capital Expenditures						
8.1 Hardware			$ -	$ -		$ -
8.2 Software			$ -	$ -		$ -
8.3 Network						$ -
8.4 Other						$ -
TOTAL COSTS	$ -	$ -	$ 250,000.00	$ 250,000.00	$ -	$ 500,000.00
General Funds						$ -
Cash Funds			$ 250,000.00	$ 250,000.00		$ 500,000.00
Federal Funds						$ -
Revolving Funds						$ -
Other Funds						$ -
TOTAL FUNDS	$ -	$ -	$ 250,000.00	$ 250,000.00	$ -	$ 500,000.00