CPAM SECTION 5.1

Section 5.1

PROJECT DIARY

5.1.1 Purpose

To provide a uniform standard for daily and weekly construction project reporting.

5.1.2 Authority

Section 334.048, Florida Statutes (F.S.)

5.1.3 Background

The ***Daily Report of Construction, Form No. 700-010-13*** was originally developed for completion by an inspector for each Contractor that was present on the jobsite each day. With the implementation of SiteManager, this form was changed to more logically resemble the order that a technician will need to enter data into SiteManager. The ***Daily Work Report*** in SiteManager (SM) is to be completed by each technician doing construction inspection daily and covers all work of all Contractors, subcontractors, subordinate subcontractors and utility companies that the technician observes during that day's operations. One ***Daily Work Report*** per inspector, per day per contract, is required.

This procedure provides information on requirements for completing the ***Daily Work Report*** with the automated process contained in SiteManager.

5.1.4 Definitions

Daily Diary: Term used in SiteManager to refer to a collection of all ***Daily Work Reports*** and presents information on contract activity for a given day. The diary should contain information on significant events, conditions or circumstances which immediately affect or have future impact on the project or contract.

Daily Work Report (DWR): This is the term used in SiteManager to refer to the ***Daily Report of Construction*** (**Form No. 700-010-13**) that was used by FDOT before the implementation of SiteManager. Data is collected on every phase of work performed by a Contractor, subcontractor, subordinate subcontractor or utility company. Recorded information must be clear, detailed, accurate, complete and objective.

Engineer's Weekly Summary, Form No. 700-010-14: This document provides a summary that gives project status and documents significant events, conditions or circumstances, which immediately affect, or have future impact on, the project or contract. This is not required if ***Daily Work Reports*** and ***Daily Diaries*** are entered directly into SiteManager. This is only required for those projects or contracts that are being done manually but is recommended on all projects.

Project Diary: Refers to all documents that present a recorded collection of events, data, occurrences, instructions, situations, circumstances and work performed each day during a construction project. ***Project Diary*** includes, ***Daily Work Reports***, ***Daily Diaries***, ***Work Plan Controlling items of work.***

Work Plan - Controlling Item of Work, Form No. 700-010-15: This documents the Contractor's planned scheduled of work identifying those items of work that will control the over-all progress of the Contractor's work effort on projects with or without Critical Path Method (CPM) Schedule.

5.1.5 Responsibility

Completing the ***DWR*** in SiteManager:

(A) Resident Level Responsibilities

(1) Each technician responsible for the inspection of work must report all work, events, etc, using the ***DWR*** function within SiteManager (for detailed instructions on how to use this function in SiteManager, please refer to the SiteManager User Instruction Manual posted on the State Construction Office InfoNet WEB page).

(2) The Project Administrator (PA) is responsible for reviewing and approving each ***DWR*** using the ***Daily Diary*** functions within SiteManager. The PA shall complete a ***Diary*** for each Contract day so that time may be charged correctly. The Project Administrator shall record all comments as necessary to provide information on events or circumstances that might impact the project or contract in the future. The Project Administrator may also complete a ***DWR*** for any work personally inspected.

(3) The Project Administrator and the Contractor, in accordance with Chapter 5.1.6.3(A), are responsible for completing the ***Work Plan - Controlling Item of Work, Form No. 700-010-15***, for the controlling work items on projects with or without a CPM schedule on either a weekly or biweekly basis.

5.1.6 Information Collection

5.1.6.1 Daily Work Report

(A) Resident Level Responsibilities

(1) A ***DWR*** is completed by each Department technician or Consultant Construction Engineering Inspection (CCEI) technician responsible for the inspection of work during each contract workday. The prime Contractor, subcontractor, or subordinate subcontractor may perform the work.

(2) A ***DWR*** should be prepared for every contract day for the Prime Contractor, regardless whether the Prime is working on the project or not. This ***DWR*** should also reflect all subcontractors on the project for that day. In the event that the subcontractor leaves the project for a long period, the sub contractor need not be shown on the ***DWR*** during a period of absence, provided, it is noted on the ***DWR*** for the day the subcontractor last worked that the subcontractor intended to leave the project and on the ***DWR*** for the day the subcontractor resumes work that the subcontractor did not perform any work for the period with specific dates. When utility companies are performing non-reimbursable work, the utility personnel and equipment should be tracked using the Utility remark in the ***DWR*** Information Tab. .

(3) A new week starts on a Monday and ends on a Sunday.

(4) Electronic information to be collected includes but is not limited to the following:

a. ***DWR*** Information Tab:

1. Weather conditions (AM and PM)
2. Use terms such as: clear, partly cloudy, heavy clouds, light rain, heavy rain, intermittent showers, etc.,
3. State length of time, i.e., all day, 4 hours, 8:00 - 10:00 A.M., etc.,
4. Report soil conditions: dry soil, wet soil, extremely wet soil.

b. Working Conditions

1. Effects of weather on major work items,
2. Remarks include anything pertinent to the progress of the projects such as:

(1) Instructions given to the Contractor or subcontractor or their representatives,

(2) Work or materials rejected and why,

(3) Any delays, including any items of work affected,

(4) Any extraordinary work being performed,

(5) Unusual or unexpected conditions such as flooding, sinkhole, etc,

(6) Any discussions with representatives of the Contractor, subcontractor or utility company,

(7) Observations by the technician of significant importance to the project progress,

(8) Lane closure, traffic disruption, etc.,

(9) Contacts with property owners, media, etc.,

(10) CPM activity ID # (when applicable),

(11) Observations by the technician of unacceptable Contractor quality control practices,

(12) Operation (work) being performed,

(13) Materials received (general description).

3. Date

(5) Contractor's Tab:

a. Contractor's or subcontractor's name,

b. Number of Contractor or subcontractor personnel,

c. Number of hours on the project for personnel.

(6) Equipment Tab:

a. Equipment idle or active,

1. Contractor drop down,

2. The "Equipment ID" space will be used to record a unique identifier for a single piece of equipment whenever necessary to track a specific piece of equipment or a unique group identifier when grouping several

like pieces of equipment together.

3. "# of Pieces" will be used to record the number of pieces of equipment present on or at the job site. If "Equipment ID" was for a unique piece of equipment then the quantity shown would be one, otherwise it would be the total number contained within the group identified by the "Equipment ID".
4. "# Used" will be used to record the number of pieces on or at the job site that is being actively used that day.
5. "Hours Used" is the total number of hours that the identified equipment is being used. If # hours used is zero, then equipment is considered inactive.

(7) Work Items Tab:

a. Financial Project number,
b. Pay Item Code,
c. Line Item Number,
d. Project location,
e. Quantities,
f. Contractor or Subcontractor performing the work.

(8) Within SiteManager, each ***DWR*** is electronically marked by userid, date and time stamp as belonging to that technician. When the Project Administrator creates a ***Diary*** for that day, and approves the ***DWR*** for each technician, the ***DWRs*** are locked to any changes that can be made by the inspector until unlocked by the Project Administrator. After a SiteManager Estimate has been paid, the ***DWRs*** are permanently locked where no changes can be made by anyone. This method assures accountability by the technician for the information that was included on each of the ***DWRs***. The system also maintains an electronic stamp of the Project Administrator's Userid, time and date stamp when approvals were done.

5.1.6.2 Engineer's Weekly Summary

(A) Resident Level Responsibilities

(1) The ***Engineer's Weekly Summary,*** ***Form No. 700-010-14***, is to be completed by each Project Administrator for each project or contract for which documentation is done manually on the **Daily Report of Construction, Form No. 700-010-13,** and not using SiteManager for contract documentation. A Summary is not required for contracts being managed through SiteManager but is strongly recommended. The weekly period is from Monday through Sunday. A Summary is completed every week including periods of no work.

(2) The Summary must give project status and document significant events, conditions or circumstances which immediately affect, or have future impact on, the project or contract. The Summary includes completion percentages for job progress and elapsed time. The Engineer must note items such as:

a. Contractor's or subcontractor's progress versus schedule or work plan,

b. The day of the week the Contractor or subcontractor stopped work or began work,

c. The day of the week the Contractor elected not to work or was unable to work at least 50 % of the normal work day on a pre-determined controlling item of work item due to adverse weather conditions.

d. The items which change the plans, specifications or contract which could lead to:

1. Contractor claim,
2. Request for a time extension,
3. A supplemental agreement.

e. For utility relocation construction, it is important to note the contract agreement number, the beginning date and the ending date of work.

f. Contractor made repairs to work damaged by weather.

g. State if a particular subcontractor finished all the contract work and has left the project for good. If the Prime or the Sub has not been on a project, state accordingly the last date they worked on the project.

h. Other items affecting the contract or project.

5.1.6.3 Work Plan

The objective of the "***Work Plan - Controlling Item of Work",*** ***Form No. 700-010-15*** is to provide the Contractor a uniform method to communicate what work Items are considered to control the overall progress of the work on projects without a CPM schedule. In order for the Contractor to be eligible for weather related time extensions, "predetermined controlling items of work" must be impeded more than 50% of the normal work day.

"Controlling Items of Work" are defined in the ***Standard Specifications for Road and Bridge Construction***. "Predetermined" means that the items are as defined in the Contractor's ***CPM*** schedule or on projects without a ***CPM*** schedule, the Contractor must tell the Project Administrator prior to beginning the work which items are "controlling items of work". The Project Administrator should give the Contractor the ***"Work Plan - Controlling Item of Work"*** form during the preconstruction meeting on projects without a ***CPM*** schedule specification. While the Contractor is not mandated to use ***Form No. 700-010-15***, the information is required if the Contractor wants to receive consideration for weather related time extensions.

In addition to listing the controlling items of work on projects without a ***CPM*** schedule, this is the form for the Contractor to notify the Project Administrator of the planned work schedule. The planned work schedule is crucial documentation in determining any days that may be granted due to the effects of weather. Calculation of weather days is to be done in accordance with the ***CPAM Chapter 7 Section 7, Time Extensions***. The work plan will be for either a one or two week period.

(A) Resident Level Responsibility

On projects with a ***CPM*** schedule, the accepted and updated CPM schedule defines the ***Controlling Items of Work***. On projects without a ***CPM*** schedule, the Contractor is responsible for identifying and notifying the Project Administrator of Controlling Items of Work. The Project Administrator shall review the Contractor's list of ***Controlling Items of Work*** and comments. Both the Contractor and the Project Administrator have a place on the form for each other's comments. If the Project Administrator disagrees with items of work listed or disagrees with the Contractor's comments, this disagreement must be noted in the Project Administrator's comment section. The Project Administrator must insure that the work proposed by the Contractor complies with any sequencing or other requirements established in the contract provisions, plans or the ***Standard Specifications.***

Department approval of the work plan is by the Resident or designee.

5.1.6.3.1 Work Plan Meeting

(A) Resident Level Responsibility

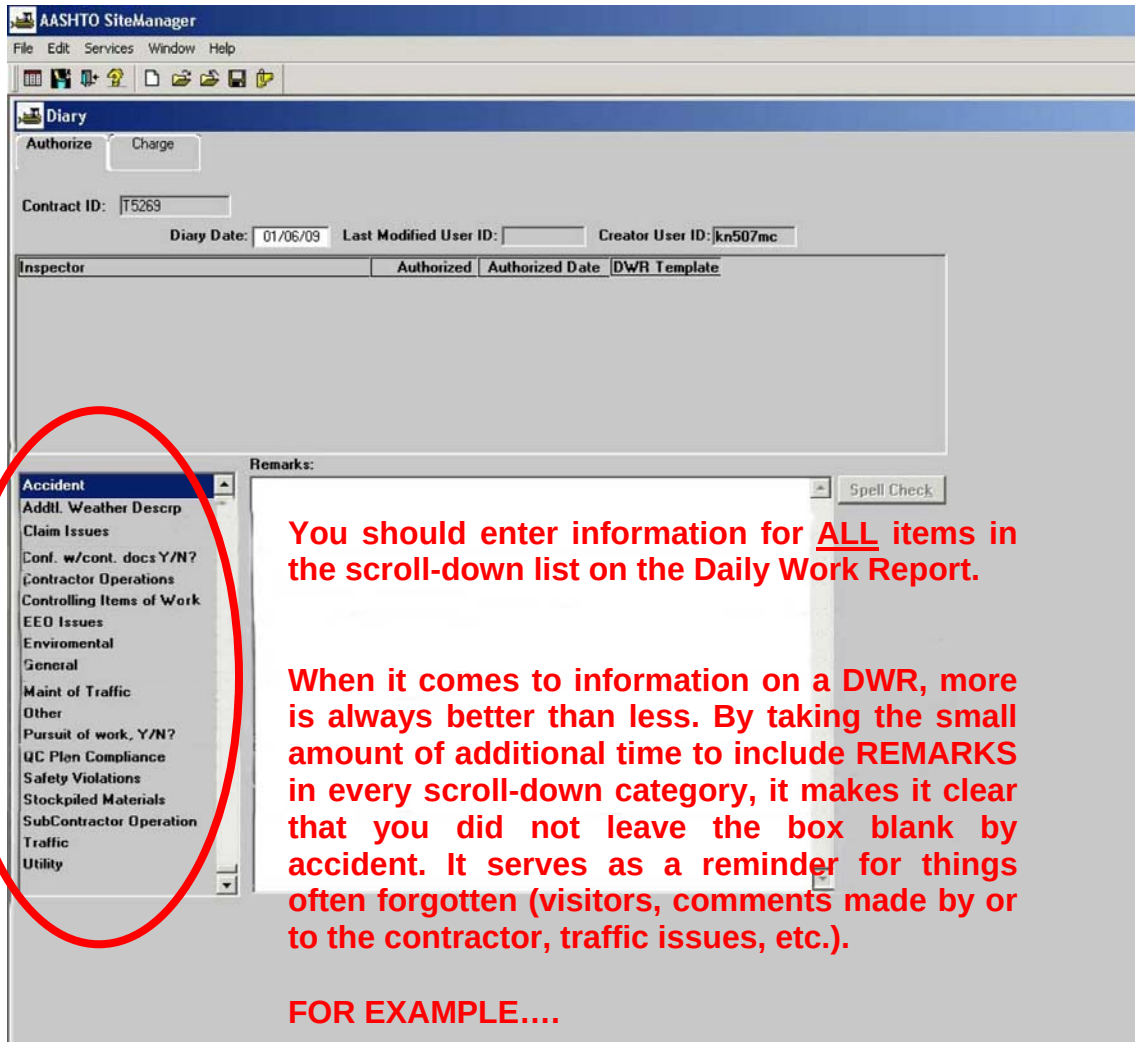
The Contractor's superintendent and the Project Administrator will meet to discuss the contractor's proposed operations for the upcoming period. The Project Administrator will review the Contractor's planned operations to verify that listed ***Controlling Items of Work*** planned work activities are consistent with the accepted schedule. For projects without a ***CPM*** schedule, that plan identifies controlling work items expected to be underway during the upcoming weekly or biweekly period. The first ***Work Plan - Controlling Item of Work*** is to be submitted to the Resident Engineer or Project Administrator on the first Monday preceding the first chargeable contract day. Subsequent submittals will be on Mondays or as established by the Project Administrator at the preconstruction meeting. The submittal frequency will be based upon the size, complexity and duration of the project.

On projects without a CPM schedule, a work plan will become a part of the Project Diary and shall be included with the ***Engineer's Weekly Summary, Form No. 700-010-14***, each week.

The work plan is required during periods of no work. The Contractor should detail how the Maintenance of Traffic plan will be inspected and maintained during periods of no work.

Inspectors should discuss the Controlling Items with their Project Administrator so that items can be checked each week against the schedule and work being performed.

SITE MANAGER DAILY WORK REPORT



ACCIDENT: If there was an accident, document what happened. If none occurred put “No Accident”.

ADDITIONAL WEATHER DESCRIPTION: Include time, durations and any effect weather had on major work items. This may be useful in evaluating request for additional time due to weather. As projects near completion, time becomes much more critical.

CLAIM ISSUES: If an incident occurred that might result in additional costs to the contractor or result in a claim, document what happened in detail. ***Try to provide a detailed narrative that someone who was not on the job could read and understand exactly who, what, where, and when (and maybe why) something happened. Documenting what did not go on may be just as important. Be OBJECTIVE. Try not to editorialize. We want just the facts.*** If no issues occurred, put “No Claim Issues” or “None”.

CONFORMANCE WITH CONTRACT DOCUMENTS Y/N: If contractor is not in conformance, explain with details.

CONTRACTOR OPERATIONS: Document the contractor's name; work being performed, location by stations, time beginning and ending. Note if RENTAL EQUIPMENT is being used for the operation. Be sure that labor or equipment being used via rental agreements is authorized by discussing with your PA. Note times rental equipment is in use or idle. (Rental equipment also included under the "Contractor Equipment" tab on Site Manager.

CONTROLLING ITEMS OF WORK: List controlling items of work for the day. If you are unsure which items are controlling, get with your PA.

GENERAL: This space is used for a number of items like contract day; instructions given to the contractor, subcontractor or their representatives; rejection of materials or workmanship and the reason for rejection; delays to work including items of work affected; extraordinary work being performed; unusual or unexpected conditions such as flooding or sinkholes; discussions with contractor(s) or utility(s); any observation by the inspector of significant importance to job progress.

OTHER: Use this to document anything you may encounter that doesn't fit any other category. If none, so state.

QC PLAN COMPLIANCE: This box forces you to be aware of what the Contractor's QC Plan requirements are. Check for qualified technicians.

STOCKPILED MATERIALS: Document when materials are delivered onto the site. If none, so state.

TRAFFIC: Use to document traffic incidents, use of ODLE, impact traffic has on lane closures or operations, etc. If no traffic incidents, so state.

UTILITY: Document what utility work is on-going, locations, any impact on prime contractor work, incidence of conflicts if any are encountered, etc. If no utility work or utility workers present, so state.

SITE SOURCE DOCUMENTATION

SITE SOURCE DOCUMENTATION GUIDE

- Read your contract

- Download the project pay items from Site Manager into Excel (See attached instructions). This will prevent you from having to type in all the pay item numbers and descriptions. You will need to realign columns and delete unnecessary columns.

- Read the Method of Measurement in your contract for each pay item to determine whether or not the item is a "Plan Quantity" item or a "Field Measured" item.

- Refer to the Basis of Estimates to determine the degree of accuracy for payment of each pay item. If your contract has a pay item with a very small quantity the degree of accuracy may be different from what is stated in the Basis of Estimates. If that is the case follow your contract.

- The degree of accuracy for measurement is always one additional decimal place than that of payment.

- Determine what your site source document will be for each item. These can be field books, latitude and departure sheets, plan matrices, Contractor's certifications, etc. Use the tool most fitting to the pay item.

- Remember, we do not measure "Plan Quantity" items. We only measure field changes to "Plan Quantity" items. These field changes must be documented in a Site Source record.

- The attached Site Source Documentation spreadsheet is an example of pay items for a specific project. You should always read your contract and develop a spreadsheet specific to **your** contract.

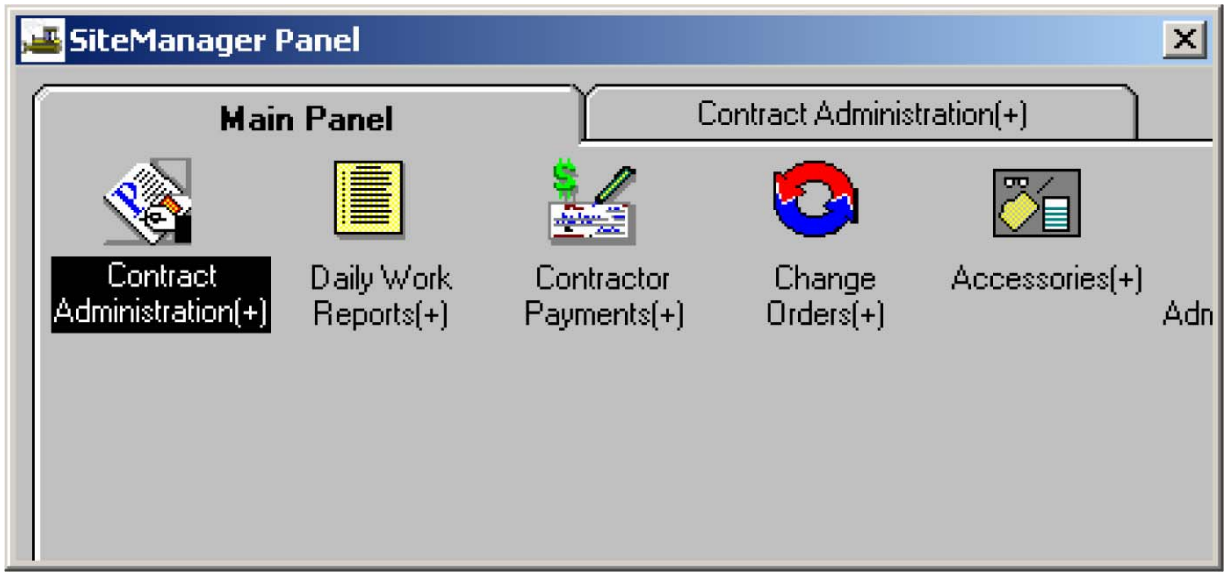
- Develop the Site Source Documentation spreadsheet with your Contract Support Specialist and Inspection Staff. Distribute to and review with all inspectors on the project.

To print all the items in a contract from **SiteManager to a .XLS** file

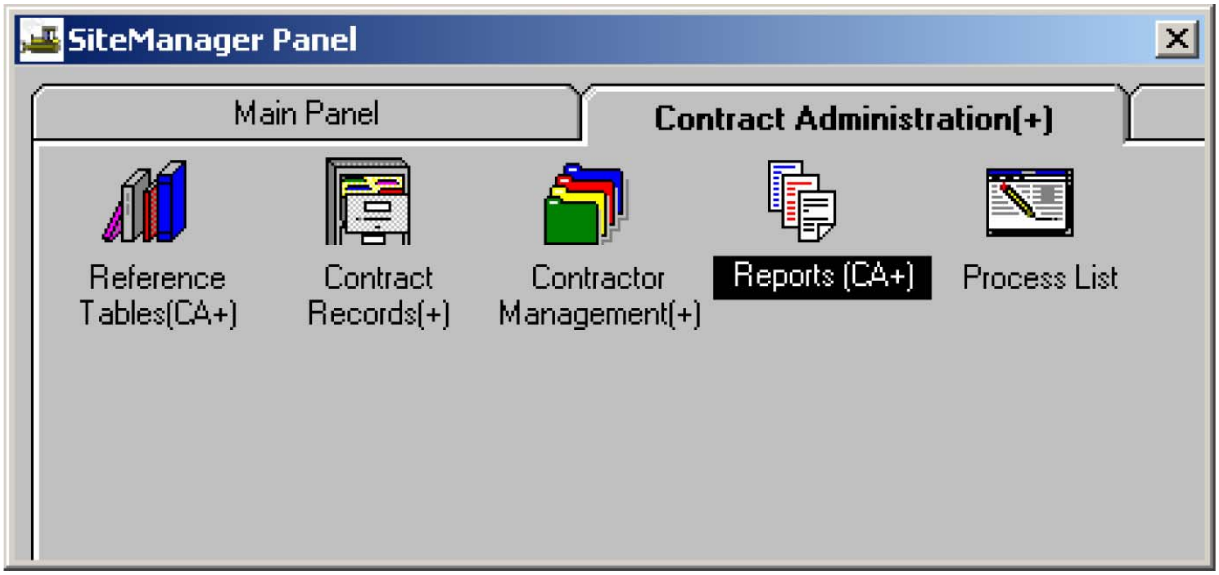
Go into the Contract like you usually pull it up **Contract** admin., **Contract** records then **Contracts**, then do a **file open** and find your contract to open double click it in.

Once you have the Contract up - go to **SiteManager Panel (box up in right corner with dots in 3 rows with red line across the top of it)** and at the **Main Panel.**

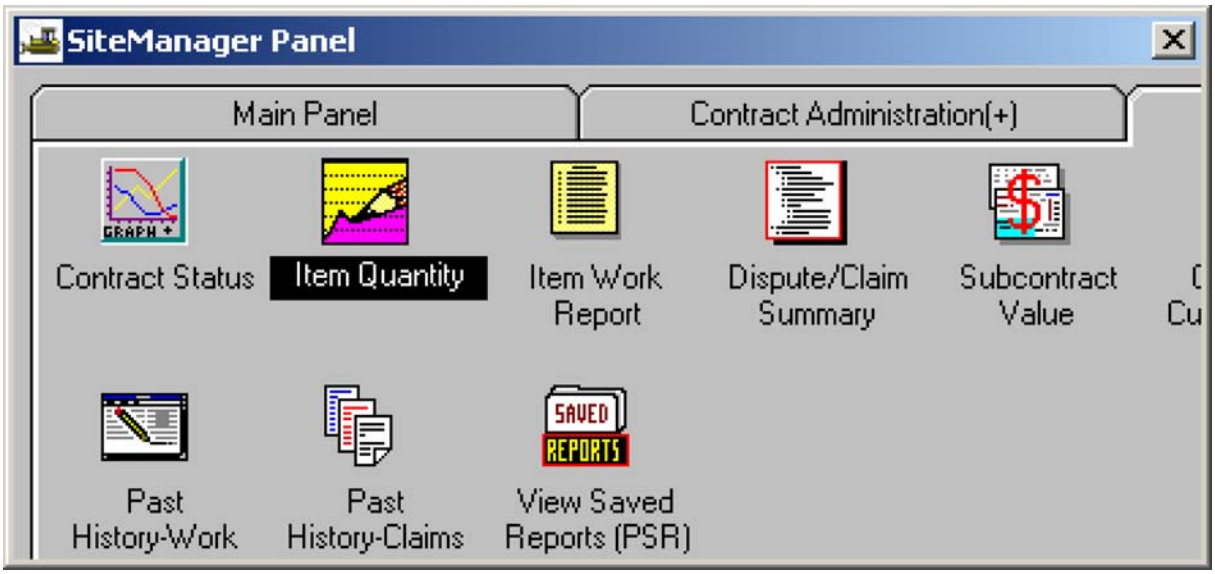
Double click **Contract Administration (+)**,



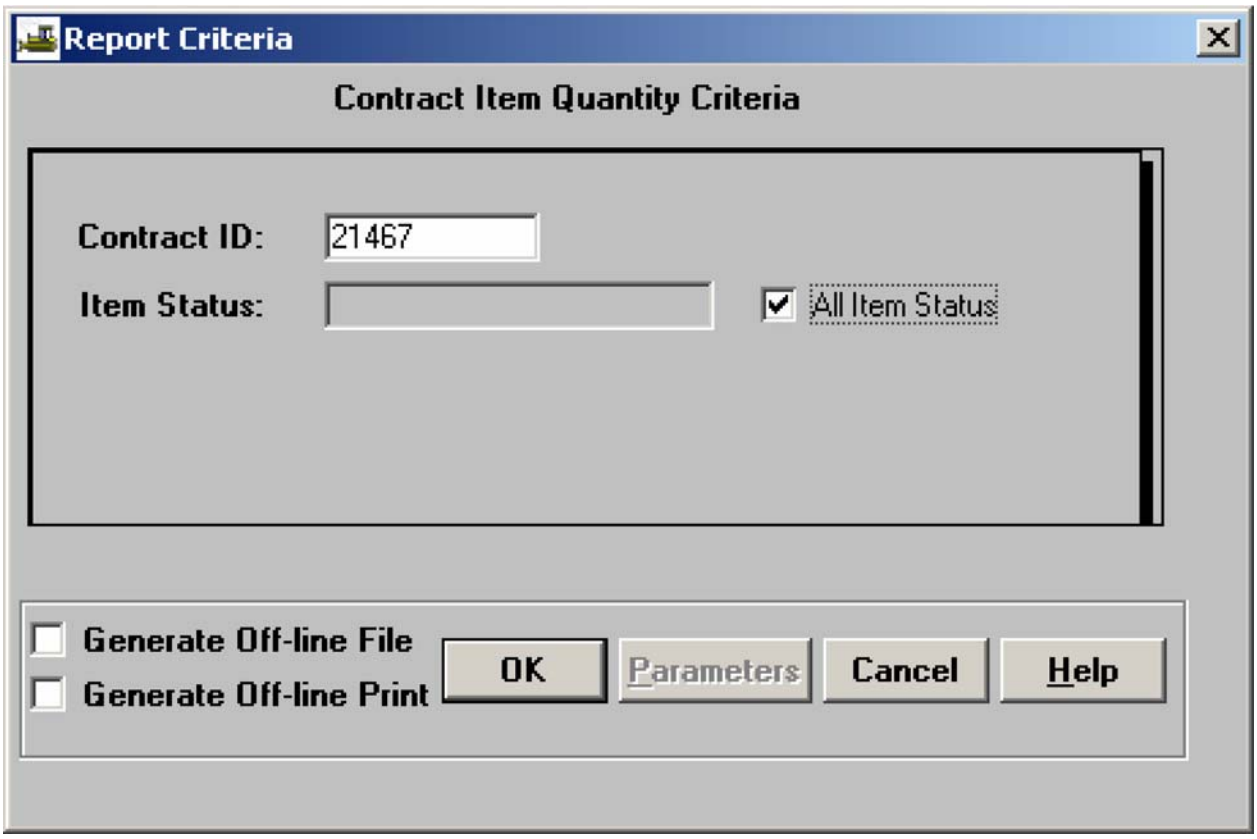
Reports (CA+)



then **Item Quantity**.

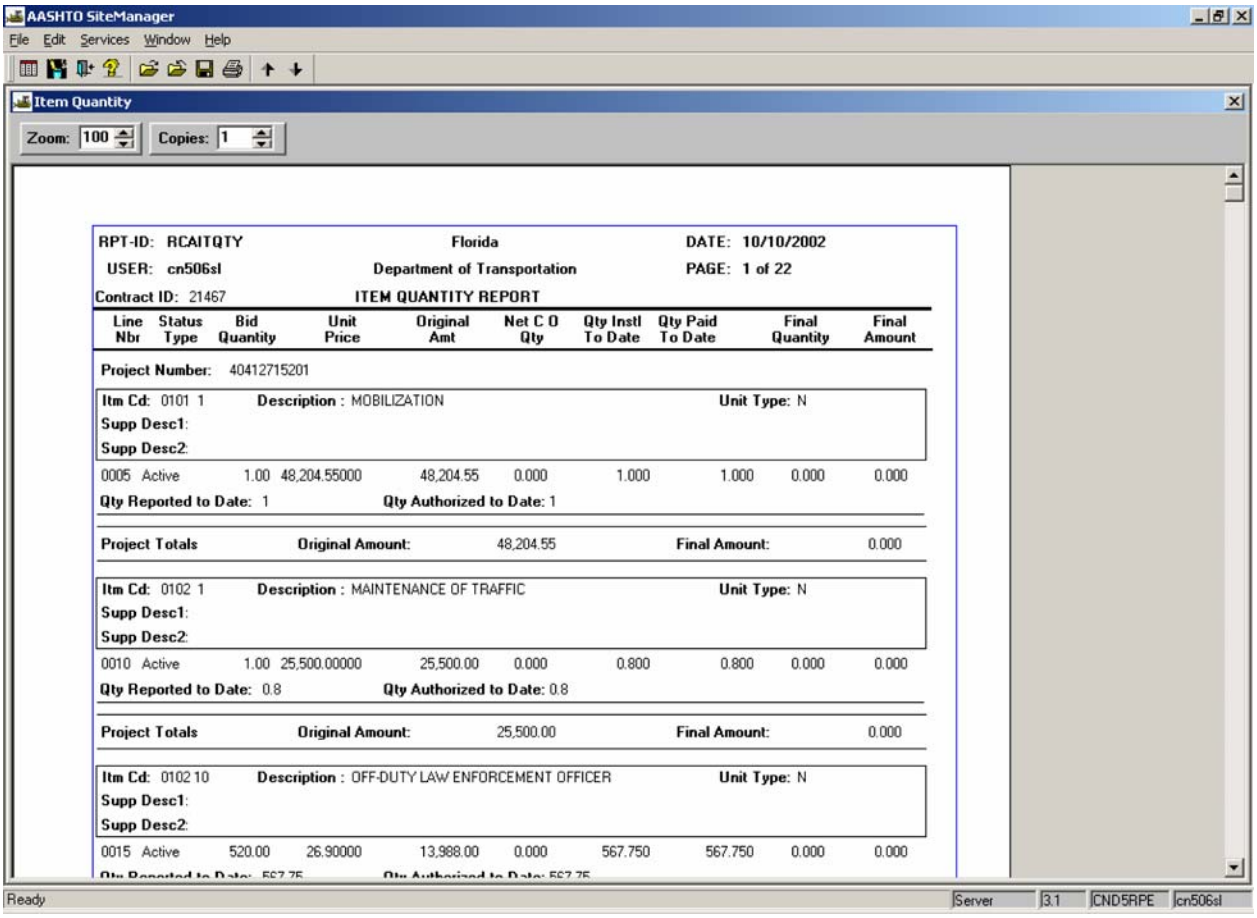


Then you get a screen **Contract Item Quantity Criteria**

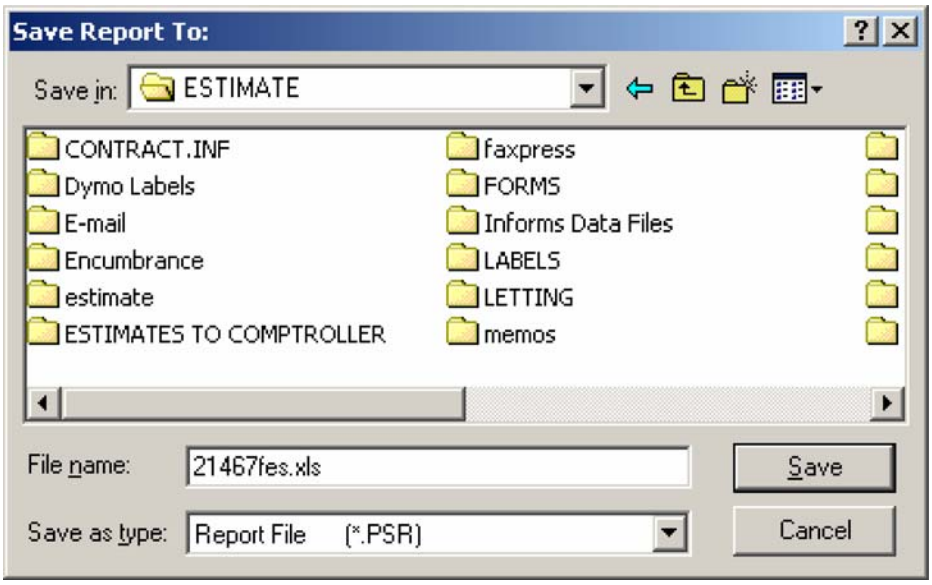


Right click then left click to do a search in the **Contract ID box.** This will display all of the Contracts. Click in the desired contract (yours). Then click the **All Item Status** box and it will put a check in the box.

Clicking **OK** after the **All Item Status** will generate the Item Quantity Report that can be viewed or printed.



From the **Item Quantity report**, click on **File Save**, pick your **destination.** Remember to use the **.xls** extension. This will convert to Excel file, Click **save.**
Done



EXAMPLE PROJECT

SITE SOURCE DOCUMENTATION GUIDE

ITEM NO.	DESCRIPTION	UNIT	PLAN QTY?	DEGREE ACCURACY FIELD MEAS	DEGREE ACCURACY PAY	SITE SOURCE
0101 1	MOBILIZATION	LS	Y	N/A	1	N/A
0102 1	MAINTENANCE OF TRAFFIC	LS	Y	N/A	1	N/A
0102 14	TRAFFIC CONTROL OFFICER	MH	N	N/A	1	CONTRACTOR'S CERT.
0102 60	WORK ZONE SIGNS	ED	N	N/A	1	CONTRACTOR'S CERT.
0102 71 11	BARRIER WALL (TEMPORARY) (F&I)(CONCRETE)	LF	N	N/A	1	CONTRACTOR'S CERT.
0102 71 21	BARRIER WALL (TEMPORARY) (RELOCATE)(CONCRETE)	LF	N	N/A	1	CONTRACTOR'S CERT.
0102 74 1	BARRICADE (TEMPORARY)(TYPES I,II,DI,VP & DRUM)	ED	N	N/A	1	CONTRACTOR'S CERT.
0102 74 2	BARRICADE (TEMPORARY)(TYPE III) (6')	ED	N	N/A	1	CONTRACTOR'S CERT.
0102 76	PANELS ARROW ADVANCE WARNING	ED	N	N/A	1	CONTRACTOR'S CERT.
0102 77	HIGH INTENSITY FLASHING LIGHTS,TEMP-TYPE B	ED	N	N/A	1	CONTRACTOR'S CERT.
0102 78	MARKER PAVT REFLECTIVE (TEMPORARY)	EA	N	N/A	1	CONTRACTOR'S CERT.
0102 79	LIGHTS(TEMP-BARR. WALL MOUNT)(TYPE C STEADY BURN)	ED	N	N/A	1	CONTRACTOR'S CERT.
0102 89 7	IMPACT ATTENUATOR (REDIRECTIVE OPTION)(TEMPORARY)	LO	N	N/A	1	CONTRACTOR'S CERT.
0102 99	CHANGEABLE-VARIABLE MESSAGE SIGN (TEMPORARY)	ED	N	N/A	1	CONTRACTOR'S CERT.
0102150 1	SIGN, PORTABLE REGULATORY	ED	N	N/A	1	CONTRACTOR'S CERT.
0102150 2	RADAR SPEED DISPLAY UNIT	ED	N	N/A	1	CONTRACTOR'S CERT.
0102911 2	PAVT MARKING REMOVABLE (WHITE/BLACK)(SOLID)	LF	N	N/A	0.1	CONTRACTOR'S CERT.
0102912 2	PAVT MARKING REMOVABLE (YELLOW) (SOLID)	LF	N	N/A	0.1	CONTRACTOR'S CERT.
0104 4	MOWING	AC	N	0.01	0.1	LATTITUDE / DEPARTURE
0104 12	TURBIDITY BARRIER STAKED	LF	N	0.1	1	FIELD BOOK
0104 13 1	SILT FENCE STAKED (TYPE III)	LF	N	0.1	1	FIELD BOOK
0104 15	PREVENTION DEVICE SOIL TRACKING	EA	N	1	1	FIELD BOOK
0104 16	ROCK BAGS	EA	N	1	1	FIELD BOOK
0110 1 1	CLEARING & GRUBBING	LS	Y	1	1	N/A
0110 3	STRUCTURE REMOVAL OF EXISTING	LS	Y	1	1	N/A
0120 1	EXCAVATION REGULAR	CY	Y	0.1	1	N/A
0120 4	EXCAVATION SUBSOIL	CY	N	0.1	1	FIELD BOOK
0120 6	EMBANKMENT	CY	Y	0.1	1	N/A
0160 4	STABILIZATION TYPE B	SY	Y	0.1	1	N/A

EXAMPLE PROJECT

SITE SOURCE DOCUMENTATION GUIDE

ITEM NO.	DESCRIPTION	UNIT	PLAN QTY?	DEGREE ACCURACY FIELD MEAS	DEGREE ACCURACY PAY	SITE SOURCE
0285701	BASE OPTIONAL (BASE GROUP 01)	SY	Y	0.1	1	N/A
0285703	BASE OPTIONAL (BASE GROUP 03)	SY	Y	0.1	1	N/A
0285705	BASE OPTIONAL (BASE GROUP 05)	SY	Y	0.1	1	N/A
0285706	BASE OPTIONAL (BASE GROUP 06)	SY	Y	0.1	1	N/A
0285709	BASE OPTIONAL (BASE GROUP 09)	SY	Y	0.1	1	N/A
0285712	BASE OPTIONAL (BASE GROUP 12)	SY	Y	0.1	1	N/A
0285713	BASE OPTIONAL (BASE GROUP 13)	SY	Y	0.1	1	N/A
0285715	BASE OPTIONAL (BASE GROUP 15)	SY	Y	0.1	1	N/A
0286 1	TURNOUT CONSTRUCTION	SY	Y	0.1	1	N/A
0327 70 1	MILLING EXIST ASPH PAVT (1" AVG DEPTH)	SY	Y	0.1	1	N/A
0327 70 6	MILLING EXIST ASPH PAVT (1 1/2" AVG DEPTH)	SY	Y	0.1	1	N/A
0327 70 15	MILLING EXIST ASPH PAVT (2 3/4" AVG DEPTH)	SY	Y	0.1	1	N/A
0327 70 19	MILLING EXIST ASPH PAVT (3/4" AVG DEPTH)	SY	Y	0.1	1	N/A
0327 70 20	MILLING EXIST ASPH PAVT (3 3/4" AVG DEPTH)	SY	Y	0.1	1	N/A
0334 1 12	SUPERPAVE ASPHALTIC CONC (TRAFFIC B)	TN	N	0.01	0.1	LOT PACKAGES/TICKETS
0334 1 13	SUPERPAVE ASPHALTIC CONC (TRAFFIC C)	TN	N	0.01	0.1	LOT PACKAGES/TICKETS
0334 1 14	SUPERPAVE ASPHALTIC CONC (TRAFFIC D)	TN	N	0.01	0.1	LOT PACKAGES/TICKETS
0334 1 23	SUPERPAVE ASPH CONC(TRAF C)(PG76-22)	TN	N	0.01	0.1	LOT PACKAGES/TICKETS
0334 1 24	SUPERPAVE ASPH CONC(TRAF D)(PG76-22)	TN	N	0.01	0.1	LOT PACKAGES/TICKETS
0337 7 6	ASPH CONC FRICTION COURSE(INC BIT/RUBBER)FC 12.5(FC-6)	TN	N	0.01	0.1	LOT PACKAGES/TICKETS
0337 7 22	ASPH CONC FRICTION COURSE(INC BIT)(FC-5)(PG76-22)	TN	N	0.01	0.1	LOT PACKAGES/TICKETS
0339 1	ASPHALT PAVEMENT MISCELLANEOUS	TN	N	0.01	0.1	LOT PACKAGES/TICKETS
0400 1 2	CONC CLASS I(ENDWALLS)	CY	Y	0.01	0.1	N/A
0400 1 15	CONC CLASS I(MISCELLANEOUS)	CY	N	0.01	0.1	FIELD BOOK
0400 2 4	CONC CLASS II(SUPERSTRUCTURE)	CY	Y	0.01	0.1	N/A
0400 2 10	CONC CLASS II (APPROACH SLABS)	CY	Y	0.01	0.1	N/A
0400 2 15	CONC CLASS II (MISCELLANEOUS)	CY	N	0.01	0.1	FIELD BOOK
0400 4 5	CONC CLASS IV (SUBSTRUCTURE)	CY	Y	0.01	0.1	N/A
0400 4 25	CONC CLASS IV (MASS)(SUBSTRUCTURE)	CY	Y	0.01	0.1	N/A
0400 7	BRIDGE FLOOR GROOVING	SY	Y	0.1	1	N/A
0400 8 22	CONC CLASS V (SUPER STRUCT CLOSURE JNT.)	CY	Y	0.01	0.1	N/A
0400 9	BRIDGE DECK GROOVING & PLANING (DECK 8.5" & >)	SY	Y	0.1	1	N/A
0400147	COMPOSITE NEOPRENE PADS	CF	Y	0.01	0.1	N/A

EXAMPLE PROJECT

SITE SOURCE DOCUMENTATION GUIDE

ITEM NO.	DESCRIPTION	UNIT	PLAN QTY?	DEGREE ACCURACY FIELD MEAS	DEGREE ACCURACY PAY	SITE SOURCE
0415 1 1	REINF STEEL (ROADWAY)	LB	Y	0.1	1	N/A
0415 1 4	REINF STEEL (SUPERSTRUCTURE)	LB	Y	0.1	1	N/A
0415 1 5	REINF STEEL (SUBSTRUCTURE)	LB	Y	0.1	1	N/A
0415 1 9	REINF STEEL (APPROACH SLABS)	LB	Y	0.1	1	N/A
0425 1351	INLETS (CURB) (TYPE P-5) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1355	INLETS (CURB) (TYPE P-5) (PARTIAL)	EA	N	1	1	DRAINAGE MATRIX
0425 1361	INLETS (CURB) (TYPE P-6) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1451	INLETS (CURB) (TYPE J-5) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1501	INLETS (DT BOT) (TYPE A) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1503	INLETS (DT BOT) (TYPE A) (J BOT, <10')	EA	N	1	1	DRAINAGE MATRIX
0425 1511	INLETS (DT BOT) (TYPE B) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1513	INLETS (DT BOT) (TYPE B) (J BOT, <10')	EA	N	1	1	DRAINAGE MATRIX
0425 1521	INLETS (DT BOT) (TYPE C) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1541	INLETS (DT BOT) (TYPE D) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1549	INLETS (DT BOT) (TYPE D) (MODIFY)	EA	N	1	1	DRAINAGE MATRIX
0425 1559	INLETS (DT BOT) (TYPE E) (MODIFY)	EA	N	1	1	DRAINAGE MATRIX
0425 1701	INLETS (GUTTER) (TYPE S) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1702	INLETS (GUTTER) (TYPE S) (>10')	EA	N	1	1	DRAINAGE MATRIX
0425 1711	INLETS (GUTTER) (TYPE V) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1881	INLETS (BARRIER WALL,RIGID,CURB & GUTTER) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1891	INLETS (BARRIER WALL) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 1892	INLETS (BARRIER WALL) (>10')	EA	N	1	1	DRAINAGE MATRIX
0425 2 41	MANHOLES (P-7) (<10')	EA	N	1	1	DRAINAGE MATRIX
0425 2 42	MANHOLES (P-7) (>10')	EA	N	1	1	DRAINAGE MATRIX
0425 2 43	MANHOLES (P-7) (PARTIAL)	EA	N	1	1	DRAINAGE MATRIX
0425 2 63	MANHOLES (P-8) (PARTIAL)	EA	N	1	1	DRAINAGE MATRIX
0425 2 71	MANHOLES (J-7) (<10')	EA	N	1	1	DRAINAGE MATRIX
0430171125	PIPE CULV(OPT MATL)(ROUND)(18"SS)	LF	Y	0.1	1	DRAINAGE MATRIX
0430171129	PIPE CULV(OPT MATL)(ROUND)(24"SS)	LF	Y	0.1	1	DRAINAGE MATRIX
0430171133	PIPE CULV(OPT MATL)(ROUND)(30"SS)	LF	Y	0.1	1	DRAINAGE MATRIX
0430171138	PIPE CULV(OPT MATL)(ROUND)(36"SS)	LF	Y	0.1	1	DRAINAGE MATRIX
0430171140	PIPE CULV(OPT MATL)(ROUND)(42"SS)	LF	Y	0.1	1	DRAINAGE MATRIX
0430171141	PIPE CULV(OPT MATL)(ROUND)(48"SS)	LF	Y	0.1	1	DRAINAGE MATRIX

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ITEM NO.	DESCRIPTION	UNIT	PLAN QTY?	DEGREE ACCURACY FIELD MEAS	DEGREE ACCURACY PAY	SITE SOURCE
0430172125	PIPE CULV(OPT MATL)(ROUND)(18"CD)	LF	Y	0.1		DRAINAGE MATRIX
0430172129	PIPE CULV(OPT MATL)(ROUND)(24"CD)	LF	Y	0.1	1	DRAINAGE MATRIX
0430172138	PIPE CULV(OPT MATL)(ROUND)(36"CD)	LF	Y	0.1	1	DRAINAGE MATRIX
0430172140	PIPE CULV(OPT MATL)(ROUND)(42"CD)	LF	Y	0.1	1	DRAINAGE MATRIX
0430172141	PIPE CULV(OPT MATL)(ROUND)(48"CD)	LF	Y	0.1	1	DRAINAGE MATRIX
0430172143	PIPE CULV(OPT MATL)(ROUND)(60"CD)	LF	Y	0.1	1	DRAINAGE MATRIX
0430172225	PIPE CULV(OPT MATL)(OTHER)(18"CD)	LF	Y	0.1	1	DRAINAGE MATRIX
0430173125	PIPE CULV(OPT MATL)(ROUND)(18"GD)	LF	Y	0.1	1	DRAINAGE MATRIX
0430174125	PIPE CULV(OPT MATL)(ROUND)(18"SD)	LF	Y	0.1	1	DRAINAGE MATRIX
0430174129	PIPE CULV(OPT MATL)(ROUND)(24"SD)	LF	Y	0.1	1	DRAINAGE MATRIX
0430174140	PIPE CULV(OPT MATL)(ROUND)(42"SD)	LF	Y	0.1	1	DRAINAGE MATRIX
0430830	PIPE FILLING AND PLUGGING	CY	N	0.1	1	FIELD BOOK
0430942 29	PIPE DESILTING (24" CD)	LF	N	0.1	1	DRAINAGE MATRIX
0430942 38	PIPE DESILTING (36" CD)	LF	N	0.1	1	DRAINAGE MATRIX
0430982125	MITERED END SECTION (OPTIONAL ROUND) (18" CD)	EA	N	1	1	DRAINAGE MATRIX
0430982129	MITERED END SECTION (OPTIONAL ROUND) (24" CD)	EA	N	1	1	DRAINAGE MATRIX
0430982133	MITERED END SECTION (OPTIONAL ROUND) (30" CD)	EA	N	1	1	DRAINAGE MATRIX
0430982138	MITERED END SECTION (OPTIONAL ROUND) (36" CD)	EA	N	1	1	DRAINAGE MATRIX
0430982140	MITERED END SECTION (OPTIONAL ROUND) (42" CD)	EA	N	1	1	DRAINAGE MATRIX
0430982141	MITERED END SECTION (OPTIONAL ROUND) (48" CD)	EA	N	1	1	DRAINAGE MATRIX
0430982625	MITERED END SECTION(OPTIONAL/ELIPTICAL/ARCH)(18" CD)	EA	N	1	1	DRAINAGE MATRIX
0430984125	MITERED END SECTION (OPTIONAL ROUND) (18" SD)	EA	N	1	1	DRAINAGE MATRIX
0430984140	MITERED END SECTION (OPTIONAL ROUND) (42" SD)	EA	N	1	1	DRAINAGE MATRIX
0436 1 1	TRENCH DRAIN (15" DIAMETER STANDARD)	LF	N	0.1	1	DRAINAGE MATRIX
0450 1 72	PREST BEAMS (FLA BULB T) (72")	LF	Y	0.1	1	N/A
0450 1278	PREST BEAMS (BULB TEE)(78")(MODIFIED)	LF	Y	0.1	1	N/A
0455 34 3	CONCRETE PILING PRESTRESSED (18" SQ.)	LF	N	0.1	1	PILE LOG
0455133 2	SHEET PILING STEEL (TEMPORARY-CRITICAL)	SF	Y	0.1	1	FIELD BOOK
0455137	TEST LOAD(DYNAMIC)	EA	N	0.1	1	PILE LOG
0455143 3	TEST PILES (PRESTRESSED CONCRETE) (18" SQ.)	LF	N	0.1	1	PILE LOG
0459 71	POLYETHYLENE SHEETING ON CONCRETE PILES	SY	N	0.1	1	FIELD BOOK
0460 2 1	STRUCT STEEL (CARBON)	LS	Y	0.1	1	N/A

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0460 2 2	STRUCT STEEL (LOW ALLOY)	LS	Y	0.1	1	N/A
0460 7 4	EXPANSION JOINT SEAL (STRIP ELAST)	LF	Y	0.1	1	N/A
0460 70 3	ALUMINUM RAILINGS (TRIPLE RAIL)	LF	Y	0.1	1	N/A
0462 2 11	POST TENSIONING TENDONS(SUPERSTRUCTURE STRAND)	LB	Y	0.1	1	N/A
0515 2302	PEDESTRIAN/BICYCLE RAILING(ALUM ONLY)(54" PICKET RAIL)	LF	Y	0.1	1	N/A
0520 1 7	CURB & GUTTER CONC (TYPE E)	LF	Y	0.1	1	N/A
0520 1 10	CURB & GUTTER CONC (TYPE F)	LF	Y	0.1	1	N/A
0520 2 4	CURB CONC (TYPE D)	LF	Y	0.1	1	N/A
0520 5 11	TRAF SEP CONC (TYPE I) (4' WIDE)	LF	Y	0.1	1	N/A
0520 6	GUTTER SHLDR CONC	LF	Y	0.1	1	N/A
0521 5 1	CONCRETE TRAFFIC RAILING BARRIER BRIDGE (32" F)	LF	Y	0.1	1	N/A
0521 6 1	CONCRETE PARAPET(PEDEST/BICYCLE)	LF	Y	0.1	1	N/A
0521 6 3	CONCRETE PARAPET (RETAINING WALL SYSTEM MOUNTED) WITH	LF	Y	0.1	1	N/A
0521 8 1	CONC TRAF RAIL BARRIER(RET WALL SYSTEM)32" F SHAPE	LF	Y	0.1	1	N/A
0521 72 3	BARRIER WALL CONC (RIGID-SHOULDER)	LF	Y	0.1	1	N/A
0521 72 5	BARRIER WALL CONC (RIGID-CURB & GUTTER)	LF	Y	0.1	1	N/A
0522 1	SIDEWALK CONC (4" THICK)	SY	Y	0.1	1	N/A
0522 2	SIDEWALK CONC (6" THICK)	SY	Y	0.1	1	N/A
0524 1 1	DITCH PAVT CONC (3")	SY	Y	0.1	1	N/A
0524 1 2	DITCH PAVT CONC (4")	SY	Y	0.1	1	N/A
0524 1 4	DITCH PAVT CONC (6")	SY	Y	0.1	1	N/A
0524 2 2	SLOPE PAVT CONC (4")	SY	Y	0.1	1	N/A
0530 1	RIPRAP (SAND-CEMENT)	CY	N	0.01	0.1	MISC. LOG BOOK
0530 3 4	RIPRAP (RUBBLE) (F&I)(DITCH LINING)	TN	N	0.01	0.1	MISC. LOG BOOK
0536 1 1	GUARDRAIL (ROADWAY)	LF	Y	0.1	1	PLAN MATRIX
0536 1 3	GUARDRAIL (ROADWAY, DOUBLE FACE)	LF	Y	0.1	1	PLAN MATRIX
0536 7	GUARDRAIL POST SPECIAL	EA	N	1	1	PLAN MATRIX
0536 73	GUARDRAIL REMOVAL	LF	N	0.1	1	PLAN MATRIX
0536 82	GUARDRAIL ANCHORAGE (CONCRETE BARRIER WALL)	EA	N	1	1	PLAN MATRIX
0536 85 22	GUARDRAIL END ANCHORAGE ASSEMBLY FLARED	EA	N	1	1	PLAN MATRIX
0536 85 25	GUARDRAIL END ANCHORAGE ASSEMBLY TYPE II	EA	N	1	1	PLAN MATRIX
0536 85 27	GUARDRAIL END ANCHORAGE ASSEMBLY (DOUBLE FACED)	EA	N	1	1	PLAN MATRIX
0546 72 51	RUMBLE STRIP (GROUND-IN) (16" MIN. WIDTH)	PM	N	0.01	0.1	FIELD BOOK

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ITEM NO.	DESCRIPTION	UNIT	PLAN QTY?	DEGREE ACCURACY FIELD MEAS	DEGREE ACCURACY PAY	SITE SOURCE
0547 70 1	RIPRAP FABRIC-FORMED CONCRETE (8" FILTER POINTS)	SY	N	0.1	1	FIELD BOOK
0548 12	RETAINING WALL SYSTEM(PERMANENT)(EXCLUDING BARRIER)	SF	Y	0.1	1	N/A
0548 13	RETAINING WALL SYSTEM(TEMPORARY)(EXCLUDING BARRIER)	SF	Y	0.1	1	N/A
0548 13	RETAINING WALL SYSTEM(TEMPORARY)(EXCLUDING BARRIER)	SF	Y	0.1	1	N/A
0550 10110	FENCING, TYPE A(0.0 -5.0')STANDARD	LF	Y	0.1	1	PLAN MATRIX
0550 10220	FENCING, TYPE B(5.1-6.0)STANDARD	LF	Y	0.1	1	PLAN MATRIX
0550 10222	FENCING, TYPE B(5.1-6.0) WITH VINYL COATING	LF	Y	0.1	1	PLAN MATRIX
0550 10344	FENCING, TYPE R(7.1-8.0) WITH PARTIAL ENCLOSURE	LF	Y	0.1	1	PLAN MATRIX
0550 10354	FENCING, TYPE R(8.1-10.0') WITH PARTIAL ENCLOSURE	LF	Y	0.1	1	COMPBOOK
0550 60234	GATE (TYPE B)(SLIDING / CANTILEVER)18.1-20'	EA	Y	0.1	1	PLAN MATRIX
0555 1 1	DIRECTIONAL BORE (LESS THAN 6")	LF	N	0.1	1	PLAN MATRIX
0555 1 2	DIRECTIONAL BORE (6" TO < 12")	LF	N	0.1	1	PLAN MATRIX
0556 1 5	JACK AND BORE CASING DIAMETER(24" TO <36")	LF	N	0.1	1	PLAN MATRIX
0556 1 6	JACK AND BORE CASING DIAMETER(36" TO <48")	LF	N	0.1	1	PLAN MATRIX
0556 1 7	JACK AND BORE CASING DIAMETER(48" TO <60")	LF	N	0.1	1	PLAN MATRIX
0556 1 8	JACK AND BORE CASING DIAMETER(60" TO <72")	LF	N	0.1	1	PLAN MATRIX
0556 1 9	JACK AND BORE CASING DIAMETER(72" TO <84")	LF	N	0.1	1	PLAN MATRIX
0563 4	ANTI-GRAFFITI COATING(NON-SACRIFICIAL)	SF	N	0.1	1	FIELD BOOK
0570 5	FERTILIZER	TN	N	0.01	0.1	GRASSING LOG
0570 9	WATER FOR GRASS	MG	N	0.01	1	GRASSING LOG
0575 1	SODDING	SY	N	0.1	1	LATTITUDE/DEPARTURE
0630 1 12	CONDUIT (FURNISH & INSTALL)(UNDERGROUND)	LF	N	0.1	1	PLAN SHEETS/MATRIX
0632 7 1	CABLE (SIGNAL) (FURNISH & INSTALL)	PI	N	1	1	PLAN SHEETS/MATRIX
0633123 1	CABLE FIBER OPTIC(F&I)(1- 25 PR)(UG)(COMP)	LF	N	0.1	1	PLAN SHEETS/MATRIX
0635 1 11	PULL & JUNCTION BOXES (F&I) (PULL BOX)	EA	N	1	1	PLAN SHEETS/MATRIX
0635 1 15	PULL & JUNCTION BOXES (F&I) (FIBER OPTICS)	EA	N	1	1	PLAN SHEETS/MATRIX
0635 1 16	PULL & JUNCTION BOXES(F&I)(SPECIAL)	EA	N	1	1	PLAN SHEETS/MATRIX
0639 1 22	ELECTRICAL POWER SERVICE (UNDERGROUND)	AS	N	1	1	PLAN SHEETS/MATRIX
0639 2 1	ELECTRICAL SERVICE WIRE	LF	N	0.1	1	PLAN SHEETS/MATRIX
0641 41112	PREST CONC POLE (F&I)(12' TYPE N-II SERVICE POLE)	EA	N	1	1	PLAN SHEETS/MATRIX
0649411001	M/ARM (F&I/HL)(SGL ARM W/O LUM(1ST ARM TYPE B1(2ND 0(Q1	EA	N	1	1	PLAN SHEETS/MATRIX
0649413002	M/ARM(F&I/HL)(SGL ARM W/O LUM)(1ST ARM(B3)	EA	N	1	1	PLAN SHEETS/MATRIX
0649415003	M/ARM (F&I/HL)(SGL ARM W/O LUM)1ST ARM(B5)	EA	N	1	1	PLAN SHEETS/MATRIX
0650 51113	SIGNAL TRAFFIC(F&I)(1 SECT 1 WAY)(SPECIAL)	AS	N	1	1	PLAN SHEETS/MATRIX

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ITEM NO.	DESCRIPTION	UNIT	PLAN QTY?	DEGREE ACCURACY FIELD MEAS	DEGREE ACCURACY PAY	SITE SOURCE
0650 51313	SIGNAL TRAFFIC(F&I)(3 SECT 1 WAY)(SPECIAL)	AS	N	1	1	PLAN SHEETS/MATRIX
0650 51513	SIGNAL TRAF(F&I)(5 SECT 1 WAY)(SPL)	AS	N	1	1	PLAN SHEETS/MATRIX
0653181	SIGNAL PEDESTRIAN (F&I) (LED) (1 DIRECTION)	AS	N	1	1	PLAN SHEETS/MATRIX
0659101	SIGNAL HEAD AUXILIARIES (BACK PLATES 3 SECT)	EA	N	1	1	PLAN SHEETS/MATRIX
0659108	SIGNAL HEAD AUXILIARIES (STEEL PEDESTAL)	EA	N	1	1	PLAN SHEETS/MATRIX
0659109	SIGNAL HEAD AUXILIARIES (CONC PEDESTAL TYPE II)	EA	N	1	1	PLAN SHEETS/MATRIX
0659111	SIGNAL HEAD AUXILIARIES (BACK PLATES, 1 SECT)	EA	N	1	1	PLAN SHEETS/MATRIX
0659118	SIGNAL HEAD AUXILIARIES (BACK PLATES 5 SECT CLU)	EA	N	1	1	PLAN SHEETS/MATRIX
0660 1101	LOOP DETECTOR INDUCTIVE (F&I) (TYPE 1)	EA	N	1	1	PLAN SHEETS/MATRIX
0660 2102	LOOP ASSEMBLY (F&I) (TYPE B)	AS	N	1	1	PLAN SHEETS/MATRIX
0660 2106	LOOP ASSEMBLY (F&I) (TYPE F)	AS	N	1	1	PLAN SHEETS/MATRIX
0665 11	DETECTOR PEDEST(F&I)(DET STA POLE OR CABINET MTD)	EA	N	1	1	PLAN SHEETS/MATRIX
0670 5110	CNTL ASSEM ACT SS F&I NEMA PRE(NONE)	AS	N	1	1	PLAN SHEETS/MATRIX
0671 2 41	TRAFFIC CONTROLLER (MODIFY)(TYPE - NEMA)	EA	N	1	1	PLAN SHEETS/MATRIX
0671 2 42	TRAFFIC CONTROLLER(MOD)(TYPE 170)	EA	N	1	1	PLAN SHEETS/MATRIX
0685160	SYS AUXILIARIES (F&I)(MICRO RADAR DETECTION UNIT(ASSEM)	EA	N	1	1	PLAN SHEETS/MATRIX
0690 10	SIGNAL HEAD TRAFFIC ASSEMBLY REMOVAL	EA	N	1	1	PLAN SHEETS/MATRIX
0690 20	SIGNAL PEDESTRIAN ASSEMBLY REMOVAL	EA	N	1	1	PLAN SHEETS/MATRIX
0690 33 1	POLE REMOVAL (DEEP DIRECT BURIAL)	LF	N	0.1	1	PLAN SHEETS/MATRIX
0690 50	CNTRL ASSEM REMOVE	EA	N	1	1	PLAN SHEETS/MATRIX
0690 70	DETECTOR PEDESTRIAN ASSEMBLY REMOVE	EA	N	1	1	PLAN SHEETS/MATRIX
0690 80	SPAN WIRE ASSEMBLY REMOVE	EA	N	1	1	PLAN SHEETS/MATRIX
0690 90	CONDUIT & CABLING REMOVE	PI	N	1	1	PLAN SHEETS/MATRIX
0690100	SIGNAL EQUIPMENT MISCELLANOUS REMOVE	PI	N	1	1	PLAN SHEETS/MATRIX
0699 1 1	SIGN, INTERNAL ILLUM(ST NAME)	EA	N	1	1	PLAN SHEETS/MATRIX
0700 40 1	SIGN SINGLE POST (LESS THAN 12)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 40 2	SIGN SINGLE POST (12 - 25)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 40 4	SIGN SINGLE POST (SPECIAL)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 41 10	SIGN MULTI POST (50 OR LESS)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 41 11	SIGN MULTI-POST (51-100)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 41 14	SIGN MULTI-POST (201 - 250 SF)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 44055	SIGN LT'D OVHD TRUSS (T 81 TO 100,S 401 TO 500)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 44064	SIGN LT'D OVHD TRUSS (T 101 TO 120,S 301 TO 400)	AS	N	1	1	PLAN SHEETS/MATRIX

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ITEM NO.	DESCRIPTION	UNIT	PLAN QTY?	DEGREE ACCURACY FIELD MEAS	DEGREE ACCURACY PAY	SITE SOURCE
0700 44065	SIGN LT'D OVHD TRUSS (T 101 TO 120,S 401 TO 500)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 44095	SIGN LT'D OVHD TRUSS (T 161 TO 180,S 401 TO 500)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 44096	SIGN LT'D OVHD TRUSS (T 161 TO 180,S 501 TO 600)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 45 44	SIGN LT'D OVHD CTLVR(C 41 TO 50, S 151 TO 200)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 45 45	SIGN LT'D OVHD CTLVR(C 41 TO 50, S 201 TO 250)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 46 11	SIGN EXISTING (REMOVAL) (SINGLE POST)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 46 12	SIGN EXISTING (REMOVAL) (MULTI - POST)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 46 21	SIGN EXISTING (RELOCATE) (SINGLE POST)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 46 22	SIGN EXISTING (RELOCATE) (MULTI - POST)	AS	N	1	1	PLAN SHEETS/MATRIX
0700 48 39	SIGN PANELS (OVERLAY) (16 - 100)	EA	N	1	1	PLAN SHEETS/MATRIX
0700 48 60	SIGN PANELS (REMOVE)	EA	N	1	1	PLAN SHEETS/MATRIX
0705 71	DELINEATOR TUBULAR (FLEXIBLE)	EA	N	1	1	PLAN SHEETS/MATRIX
0710 5 1	GUIDE LINES (PAINT) (WHITE)	LF	N	N/A	1	CONTRACTOR'S CERT.
0710 5 2	GUIDE LINES (PAINT) (YELLOW)	LF	N	N/A	1	CONTRACTOR'S CERT.
0710 6	DIRECTIONAL ARROWS, PAINTED	EA	N	N/A	1	CONTRACTOR'S CERT.
0710 23 61	TRAFFIC STRIPE SOLID (WHITE/BLACK/BLUE)(6")	NM	N	N/A	0.001	CONTRACTOR'S CERT.
0710 24 61	TRAFFIC STRIPE SOLID (YELLOW) (6")	NM	N	N/A	0.001	CONTRACTOR'S CERT.
0710 25241	TRAFFIC STRIPE SOLID (WHITE/BLACK) (24")	LF	N	N/A	1	CONTRACTOR'S CERT.
0710 26181	TRAFFIC STRIPE SOLID (YELLOW) (18")	LF	N	N/A	1	CONTRACTOR'S CERT.
0710 27	TRAFFIC STRIPE SKIP (WHITE/BLACK)	LF	N	N/A	1	CONTRACTOR'S CERT.
0710 90	PAINTED PAVEMENT MARKINGS(FINAL SURFACE)	LS	N	N/A	1	CONTRACTOR'S CERT.
0711 11111	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	NM	N	0.0001	0.001	CONTRACTOR'S CERT.
0711 11122	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8"	LF	N	0.1	1	CONTRACTOR'S CERT.
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF	N	0.1	1	CONTRACTOR'S CERT.
0711 11131	THERMOPLASTIC, STANDARD, WHITE, SKIP, 6"	GM	N	0.0001	0.001	CONTRACTOR'S CERT.
0711 11211	THERMOPLASTIC, STANDARD,YELLOW, SOLID, 6"	NM	N	0.0001	0.001	CONTRACTOR'S CERT.
0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	N	1	1	CONTRACTOR'S CERT.
0711 17	THERMOPLASTIC, REMOVE	SF	N	0.1	1	CONTRACTOR'S CERT.
0714 1521	MOTORIST AID CALL BOX(RELOCATE)(CALL BOX ASSEM)	AS	N	1	1	PLAN SHEETS/MATRIX
0715 1113	CONDUCTORS (F&I)(INSULATED) (NO 6)	LF	N	0.1	1	PLAN SHEETS/MATRIX
0715 1114	CONDUCTORS (F&I)(INSULATED) (NO 4)	LF	N	0.1	1	PLAN SHEETS/MATRIX
0715 2115	CONDUIT (F&I UNDERGROUND) (PVC SCH 40) (2")	LF	N	0.1	1	PLAN SHEETS/MATRIX
0715 2415	CONDUIT (F&I JACKED UNDERPVT)(PVC SCH 40) (2")	LF	N	0.1	1	PLAN SHEETS/MATRIX
0715 7 12	LOAD CENTER (F&I) (PRIMARY VOLTAGE)	EA	N	1	1	PLAN SHEETS/MATRIX

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ITEM NO.	DESCRIPTION	UNIT	PLAN QTY?	DEGREE ACCURACY FIELD MEAS	DEGREE ACCURACY PAY	SITE SOURCE
0715 14 11	PULL BOX (F&I) (ROADSIDE)	EA	N	1	1	PLAN SHEETS/MATRIX
0741 70111	TMS VEHICLE SENSOR(CLASS II)(F&I)(TYP I)(1/2 LN)	EA	N	1	1	PLAN SHEETS/MATRIX
0745 70 12	TMS INDUCTIVE LOOP ASSEM(F&I)(2 LOOPS/LN)	AS	N	1	1	PLAN SHEETS/MATRIX
0746 71131	TMS CABINET(F&I)(TYPE III)(PEDESTAL)(1 BACKPLANE)	EA	N	1	1	PLAN SHEETS/MATRIX
0782 1 13	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON PRESSURIZED	EA	N	1	1	PLAN SHEETS/MATRIX
0783 4 12	ITS CONDUIT, F& I, UNDERGROUND	LF	N	0.1	1	PLAN SHEETS/MATRIX
0783 5 1	ITS PULL BOX FOR FIBER OPTIC, FURNISH AND INSTALL	EA	N	1	1	PLAN SHEETS/MATRIX
0783 7 1	ITS PULL & JUNCTION BOX, FURNISH AND INSTALL	EA	N	1	1	PLAN SHEETS/MATRIX
0785 1 13	ITS POLE, F&I, CONCRETE WITHOUT LOWERING DEVICE	EA	N	1	1	PLAN SHEETS/MATRIX
0903455 1	EMBEDDED DATA COLLECTOR	EA	N	1	1	PLAN SHEETS/MATRIX

DO NOT MEASURE A PLAN QUANTITY ITEM UNLESS THERE IS A FIELD CHANGE.

IF THERE IS A FIELD CHANGE TO A PLAN QUANTITY ITEM:

NO. 1 - MEASURE ONLY THE CHANGE
NO. 2 - PLACE MEASUREMENTS OF CHANGE IN A FIELD BOOK