Iowa State Highway Commission

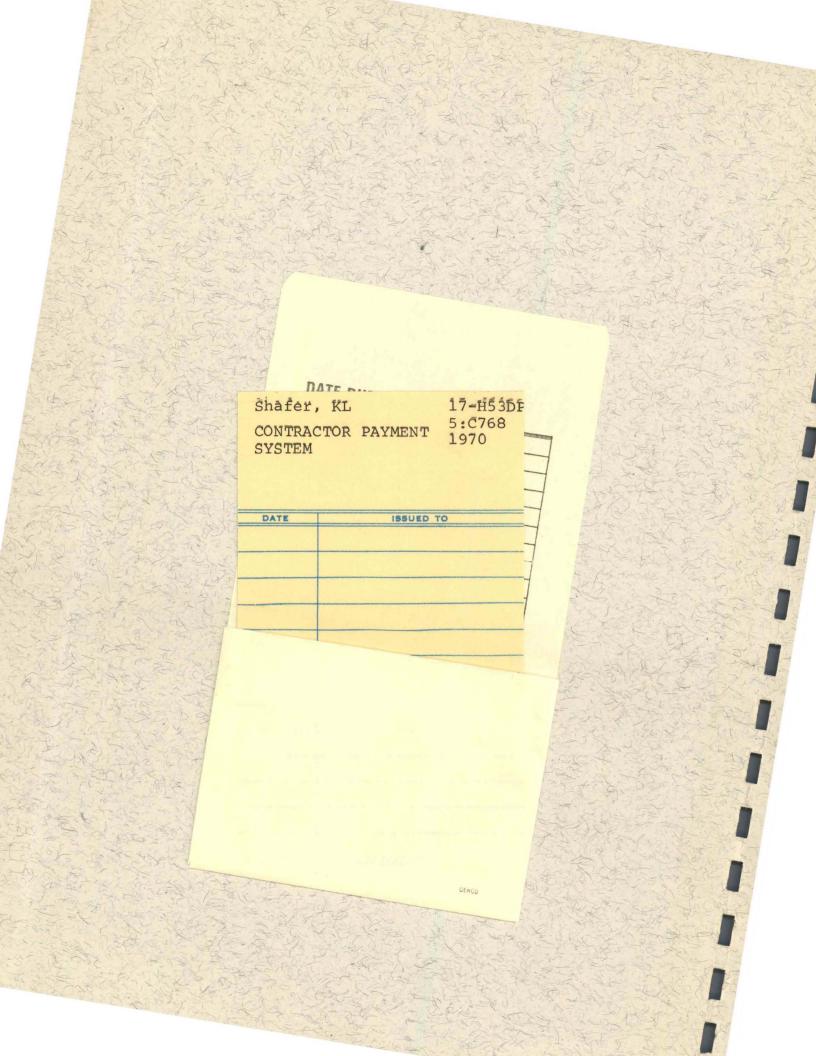# Contractor
Payment
System

**Programs for the Accounting
and
Construction Departments
by the
Data Processing Department**

CONTRACTOR PAYMENT SYSTEM

Employing The
IBM 360
Computer System

Developed For The
Accounting and Construction Departments
Iowa State Highway Commission

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INTRODUCTION

The design of the Contractor Payment System was started in June of 1968. The system was implemented in March of 1969. Prior to the implementation of this system all documents necessary in paying a contractor and reporting progress on construction projects were prepared by the individual field offices responsible for each project.

In order to eliminate the excessive amount of paper work in the field offices, it was decided to place the work load of determining the amount of progress payment to the contractors and preparation of progress reports on the computer. In addition to this the computer also keeps track of the total quantities in place, the amount of money retained to date, percentage of contract time elapsed, and percentage of work completed on each contract. The only work required of the field offices is the reporting of the total quantities in place to date for each item on a contract.

When a contract is completed the computer will print all necessary financial reports. This includes the sub-final and final payment vouchers, final estimate report, and reconciliation of the final estimate.

This system is a vital link within our total Highway System. It interfaces with both the Contract Letting System and the Cost Accounting System.

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PURPOSE

PURPOSE

The design of the Contractor Payment System provides for the
accomplishment of several functions involved in paying contractors
for work completed on construction projects. These are as follows:

1. Progress payments for work completed. The system has the
    capability of paying the contractor on a progressive basis.
    A pre-printed progress voucher which lists the total
    quantities completed to date for each item is sent to the
    field office. The contractor is paid for work done on a
    project as the work progresses. This is accomplished by the
    field office reporting on a progress voucher the total
    quantities in place for the various items on the contract.
    The computer computes the net increase of quantities in
    place for the items and produces a payment voucher and a
    new progress voucher reflecting quantities completed. The
    new progress voucher is used by the field office in reporting
    quantities for the next progress payment.

2. Automatic retention.
    The code of Iowa requires that a predetermined percentage
    of money be withheld from each payment to a contractor for
    construction work. It also states that this retained money
    shall not be paid to the contractor until thirty days time
    has elapsed since the project was accepted as being complete
    by the Construction Engineer and that no liens exist against
    the contractor for materials used on the project. Retention
    is computed as payments are made on each item in a contract.
    The system keeps track of the accumulated retention for each
    contract. When the accumulated amount is equal to a predeter-
    mined maximum level, the system will no longer retain on pay-
    ments made on the contract.

3. Changing the quantities on contract items and adding additional
    items to the contract. The quantity on a contract item may be
    increased or decreased only by the use of a change order.
    The change order, which is prepared by the field office, is
    a written agreement between the contractor and the Highway
    Commission stating the conditions, quantities, unit prices,
    and amounts agreed upon for the change to a contract item.
    This instrument must be signed by the contractor, resident
    construction engineer, district construction engineer, and
    the construction engineer. If the Bureau of Public Roads is
    participating in the payment on the project, they also have

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to sign the change order. A new item may be added to a contract by the use of an extra work order. The extra work order is a written agreement between the contractor and the Highway Commission stating the conditions, quantities, unit prices, and amounts agreed upon for the addition of additional items to the contract. The authorization of an extra work order requires the same signatures as a change order. Since the addition of a change order or extra work order increases the value of the original contract, the system will automatically raise the maximum retention level to a higher amount. If only a change order decreasing a quantity on an item is added to a contract, the maximum retention level will not be lowered.

4. Finalization Reports.

When the contract is finalized by the resident engineer, the system will print the sub-final voucher, final voucher, final estimate report, and final estimate reconciliation report. The sub-final voucher will contain payment for progress that is reported on the final progress voucher. If quantities have been lowered on the final progress voucher the system will not print a credit sub-final payment voucher. Instead, there will not be a sub-final printed and the credit amounts will be deducted from the final payment voucher. The final payment voucher will contain the accumulated retention that is to be paid to the contractor. The final estimate report and the reconciliation report show a break down of the costs by rural, urban, participating, non-participating, and suspense. Within these catagories the resident engineer has the capability of breaking the costs down to an accounting unit level. An accounting unit is a predetermined section of a project. If, for example, the quantities for the items on a contract that were reported under the rural participating catagory during the progress payment cycles and they were to be shown as work done in two different counties on the final estimate report, the field office would establish the second county in the project as being the second accounting unit. The computer establishes the fact that the first county (the county in the project number) is considered the first accounting unit. After establishing the identity of the second accounting unit the field office then re-allocates a certain portion of the total quantities in place for each item to this second unit. Using this information, the computer prorates a percentage of the contract amount for each item to both accounting units and shows a percentage of money that was paid in excess of, or less than, the contract amount.

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5. Management Reports.
   Reports are produced on a monthly and fiscal year schedule
   to inform management on the progress of the construction
   projects. The Monthly Progress Report is printed in road
   system sequence. This report shows the percentage of con-
   tract time elapsed and the percentage of work completed
   for each contract. The Construction Progress Report is
   printed in residency within district sequence. This report
   also shows the percentage of contract time elapsed and the
   percentage of work completed. The report is used by
   management in determining the manpower needed for inspection
   service at the various resident offices around the state.
   The Contractor Status Report is printed in contractor number
   sequence. This report shows the percentage of contract time
   elapsed, percentage of work completed, total value of the
   contract including the change orders and extra work orders,
   and the value of work remaining to be completed. The report
   is used by the Contracts Department in determining the
   total value of contracts that may be awarded to a contractor
   in future lettings.

The system description, which follows, used in conjunction with
the system flow chart, explains in more detail how the system
operates.

SYSTEMS DESCRIPTION

Contractor Payment System

The Central Office will process payments to Contractors once each week. The Resident Construction Engineer will send the Progress Voucher to the District Office. The District Engineer will sign the Progress Voucher and forward it to the Accounting Department. The Accounting Department will audit the Progress Voucher and then forward the Progress Voucher to the Data Processing Department for processing. The R.C.E. will submit a Construction Progress Voucher only when he wants to report progress for payment. The R.C.E. will also submit Change Orders and Extra Work Orders as they are created.

The only time the R.C.E. will receive a new Progress Voucher is after submitting a Progress Voucher for payment. The only exception to this rule would be the first Progress Voucher for the contract which would be printed and sent to him after a letting. If a Change Order or an Extra Work Order is submitted, the R.C.E. will receive a new Progress Voucher. The new Progress Voucher will have the Change or Extra Work Order printed on it. At this time the R.C.E. may enter a quantity for payment for the Extra Work Order item.

When the R.C.E. wishes to finalize the contract he will enter an "X" in the box following the Progress Voucher Number when he submits his Sub-final Progress Voucher for payment. The Progress Voucher that is returned to him will have an "F" printed in the box, also, a statement on the Progress Voucher will indicate that this is a final Progress Voucher. When the final Progress Voucher is submitted for payment, the R.C.E. will also submit the forms required for Force Account Statement, Clearing and Grubbing Statement, Sales and Use Tax Statement, Statement of Material and Labor, Contractor Labor Certification, Credit Memos, Overrun/Underrun Explanations (if necessary), Borrow Statement, and Salvage Statement. Also, if there is any reallocation to different Accounting Units on the project, the R.C.E. will submit a Reallocation of Accounting Units Code Sheet, and Reallocation of Quantities Code Sheet.

As a result of submitting the Final Progress Voucher, the computer will print a final Estimate Report, it will prepare a Sub-final and Final Payment Voucher, and it will prepare a Reconciliation for the Final Estimate Report. When a Final Progress Voucher has been submitted, there will not be a new Progress Voucher sent back to the residency.

The Weekly Contractor Payment System will consist of two runs. The first run will be a proof run only. Any tapes that are created during the proof run will not be retained. Upon completion of the proof run, the Data Processing Department will submit the following to the Accounting Department for approval.

1. Errors & warning messages
2. Payment Voucher on plain paper
3. Final Estimate Reconciliation on plain paper
4. Final Estimate on plain paper

The Accounting Department, in checking the proof run, may request the removal of data for certain contracts from the processing cycle. It will be advantageous to sort the data cards on contract number before putting them on tape. The data that was incorrect for the contracts will be corrected by the Accounting Department. The Accounting Department will then resubmit all documents pertaining to the corrected contract to Data Processing for keypunching.

The second run of the Contractor Payment System will be made after corrections have been made to the input data. The second run will be the actual production run with the reports printed on their designated forms. Upon completion of the actual production run, the following will be sent to the Accounting Department:

1. Errors & warning messages
2. Payment Vouchers
3. Des Moines Abstract proof
4. Final Estimate Reconciliation
5. Final Estimate Report

The new Progress Vouchers (form 309) will be printed Monday night. The Accounting Department will receive the new Progress Vouchers on Tuesday morning. Upon completion of printing the edited output tape on the Progress Voucher forms, this tape will be released. The errors & warning messages will be printed on 1-part stock paper.

The Payment Voucher, (form 308) is a 4-part form. Data Processing will remove the carbons and burst the Payment Voucher forms. All four copies will be sent to the Accounting Department.

The Progress Voucher, (form 309) is a 4-part form. After the new Progress Vouchers are printed, the forms will be sent to the Accounting Department intact. The Accounting Department will burst the new Progress Vouchers by contract number. All pages printed for a contract will remain intact.

The final Estimate Reconciliation will be printed on 1-part ISHC
Forms. The Final Estimate Reconciliation will be sent to the Account-
ing Department intact.

There will be nine (9) copies of the Final Estimate Report printed on
ISHC forms. The Data Processing Department will remove all carbons
and burst the report.

At the end of each month there will be three monthly reports produced
for the Construction Department. The Monthly Progress Report will be
printed on wide masters and sent to Reproduction. There will be twelve
(12) copies of the Contractor Status Report printed on ISHC forms.
Data Processing will remove the carbons and deliver all twelve copies
to the Construction Department. There will be four (4) copies of the
Project Status Report printed on ISHC forms. Data Processing will
remove the carbon and deliver all four copies to the Deputy Chief
Engineer of Operations Office.

The Contractor Payment Master File used for input to Update Phase I
will be marked history and will be retained for two processing cycles.
The Contractor Payment Master File that is produced by Update Phase V
will be marked as the current master file.

The transaction tape produced by Update Phase II will not be retained.
This file can be scratched following the weekly processing. However,
the transaction cards will be retained for two processing cycles.

The intermediate master tapes that are produced between Update Phase I
and Update Phase V can be released at the end of the weekly processing
cycle. If there are changes to the input transaction, the entire system
will be run starting with Update Phase II.

The Completed Contracts prior to final tape produced by Update Phase
III, will be used as input to STACOM. This program will stack the
completed contracts on a 2-year todate tape. The contracts residing
on the 2-year todate tape will automatically be dropped after they are
two years old. The tape produced by this program will be used as in-
put on the next weekly run. Upon the Accounting Departments request,
contract records may be selected from the 2-year todate tape and com-
bined with the current master file. The reprocessing of the finali-
zation phase would result in such a request. The contract records on
the tape will have the communication fields set to produce a new
progress voucher if the data is combined with the current master.
The quantities on the item records will have had the last progress
vouchers entries applied to them. Any increase or decrease in
quantities during the reprocessing of the finalization of the contract
will result in a positive or negative sub-final payment voucher.

It is advisable to retain the voucher file for one month. If the STR file produced by the Voucher Program becomes unusable, the STR can be recreated by processing the voucher file with the Voucher Program.

The Final Estimate File will be retained for one month. When the next month's Final Estimate file is produced, the current Final Estimate file may be released.

The current Contractor Payment Master File will be used as input to the Create Project Status Program to build a Project Status File at the end of each month. The Project Status File will be retained for one month. The Project Status File will be used as input to the Monthly Progress Report, Project Status Report, and Contractor Status Report programs.

The Completed Contract File produced by Update Phase V, will be merged with the current Completed Contract File. The weekly tape will be retained for one week. The current Completed Contract File will be marked as history and will be retained for one week.

The Monthly Report File produced by the Monthly Report Data Prep Program will be retained for one month. This file may be released when a new Monthly Report File is produced. It will not be necessary to retain the sorted files that were used as input to the listing programs. The sorted Monthly Report Files may be released after printing the reports.

The print tapes that will be produced will not be retained after their contents have been printed. The data on these tapes will be printed on forms designed for the report.

The Contractor Payment System will produce a new Progress Voucher (form 309) for a contract if at least one of the following transactions are processed for the contract:

    1.   The addition of a change order.
    2.   The addition of an extra work order.
    3.   A progress payment on a previous Progress Voucher.
    4.   A Progress Voucher Request.
    5.   New contracts from the letting.
    6.   A Warrant Cancellation.
    7.   Change cards containing changes for the following fields:

            A.   F01   Contract Number
            B.   F02   Authorized Item Quantity
            C.   F09   Group Number

D. F25 Item Number
E. F31 Item Quantity
F. F59 Specified Retention Percentage
G. F60 Maximum Retention Percentage for Contract
H. F83 Rural Participating Quantity
I. F84 Rural Non-Participating Quantity
J. F85 Rural Suspense Quantity
K. F86 Urban Participating Quantity
L. F87 Urban Non-Participating Quantity
M. F88 Urban Suspense Quantity

Contractor Payment System
Schedule of Operation

The Accounting Department will submit on or before 4:00 P.M. each day all progress vouchers and any related final estimate forms to Data Processing. The final cutoff time for the weekly cycle will be 2:00 P.M. on Friday. On Friday the Accounting Department will submit progress vouchers and any related final estimate forms to Data Processing on or before 2:00 P.M. The next weekly cycle will begin with the submission of progress vouchers for processing on Tuesday. All progress vouchers received by the Accounting Department after 2:00 P.M. on Friday will be processed in the next weekly cycle. These progress vouchers and any related forms will be submitted to Data Processing after Tuesday.

The Accounting Department will receive the following at 8:00 A.M. on Monday:

1. Error & warning messages
2. Payment voucher Proof listing
3. Final Estimate proof listing
4. Final Estimate Reconciliation proof listing

The Accounting Department will submit all the hand data for the Des Moines Abstract by 4:00 P.M. on Monday. The Accounting Department will receive the proof list at 8:00 A.M. on Tuesday.

All corrections to data for the Contractor Payment System will be submitted on or before 4:00 P.M. on Monday. The Accounting Department will receive the following at 8:00 A.M. on Tuesday.

1. New Progress Vouchers
2. Payment Vouchers
3. Final Estimate Report
4. Reconciliation of Final Estimate Report
5. Des Moines Abstract proof listing
6. Errors & Warning Messages

All corrections to the Des Moines Abstract will be submitted to Data Processing on or before 10:00 A.M. Wednesday. The Accounting Department will receive the Des Moines Abstract and the cards for Des Moines at 11:00 A.M. Wednesday.

The contractor payment documents are prepared by the resident engineers and are sent to the district office. The district engineer signs the payment documents and sends them to the Accounting Department. After the Accounting Department completes their audit of the payment documents, they are sent to the Data Processing Department. The Accounting Department may also submit Change Sheets, Warrant Cancellation Sheets, and Name and Address Changes to Data Processing. All documents will be submitted to Data Processing no later than 4:00 P.M. each day, with the exception of Friday. On Friday the cutoff time will be 2:00 P.M.

The Keypunch Section will punch the data on the documents into cards. The cards are placed in a drawer and held until the proof run on Saturday. It is not necessary that the cards be placed in a certain order in the drawer.

When the contracts are written for a letting, the Contracts program will produce a tape containing the contract information. This tape will be used as input to Update Phase I. The purpose of this program is to combine the data on the tape, produced by the contract writing program, with the current Contractor Payment Master Tape. Phase I will insert the contract retention percentage, maximum retention amount, and total contract amount into the item records for each contract that is read from the tape produced by the Letting System. In order to accomplish this, the program will first read all item records for the entire contract and write them on a work file. As it is writing the item records onto the work file, the item contract amounts are accumulated. On a change in the contract number, the item records are read from the work file and are written on the output master file. At this time the total contract amount is inserted into each item amount.

Update Phase III will use the current master file and the transaction file from Phase II as input. The transaction tape will be sorted prior to the Phase III processing. The purpose of Phase III is to update the current master file with changes, change orders, extra work orders, and quantities for progress payments. This program will check for errors in the data that is currently being processed as well as invalid or undesirable conditions that could exist on the master file. For example, if the quantity reported for payment exceeds the authorized quantity on an individual item by 20% or more, the program will produce a warning message for that item every time the master file is processed. In order to keep the master file in ascending order when adding change orders and extra work orders, and also to update the maximum retention amount, the program requires three work files. The program transfers all the item records for a contract from one work file to another to accomplish the different phases of the update operation on a contract. The program also utilizes a communications field on the master file to indicate to Phase V whether or not to print a progress voucher. The output from the program will be a master file and an error listing.

The Phase IV program will use the output master file from Phase

III and the sorted transaction tape as input. The purpose of this program is to generate new item records from the reallocation data for the Final Estimate Report. This program will produce a new master file, a Final Estimate Reconciliation Report, and an error list.

The Phase V program will use the output file from Phase IV as input. The purpose of this program is to produce a new master file, Completed Contract File, Voucher File, Final Estimate File, and an error listing. The item records for the contracts that are finalized will be written on the Completed Contracts File and the Final Estimate File. These item records will not be written on the new master file. The Voucher File will contain all the item records for each contract that a progress payment is being made on. Phase V will edit the input master file for invalid or undesirable conditions. For example, if the total amount of money paid to the contractor exceeds the total value of the contract (excluding change orders and extra work orders) the program will print a warning message on the error listing.

The Weekly Completed Contract File will be merged into a Monthly Completed Contract File. At the end of the month, this tape will be used as input to a Monthly Report Data Prep program. After the Monthly Completed Contract File has been processed by the Data Prep program, it will be merged into a Fiscal Year to Date Completed Contract File.

The Final Estimate program (Phase VIII) will use the Final Estimate File as input. The file will be sorted prior to processing. The purpose of this program is to produce the Final Estimate Report for all contracts that are being finalized.

The Voucher program (Phase VI) will use the Voucher File as input. This file will be sorted prior to being processed by the Voucher program. The purpose of this program is to print the Payment Vouchers and to produce an STR File for the Accounting System. The name and address of the contracts and assignees, that are used on the Payment Vouchers and Warrants, will be obtained from the Name and Address File.

Since the Name and Address File is an indexed sequential data set, the Voucher program will use the contractor number to locate the contractor's name on the Name and Address File. An assignee code on the input voucher records will indicate to the Voucher program which of the two assignees on the Name and Address File are to be used when writing the Payment Voucher for this particular contract. If the assignee code is left blank, there will not be an assignee printed on the Payment Voucher or Warrant for this particular contract. This program has the capability of dividing the progress payment between the contractor and other claimants. This process will be controlled by the use of the Multi-warrant cards. These cards will be read, by the Voucher program, following the date card. The Multi-warrant cards must be in order by contract number. The Voucher program will utilize a work file when processing the voucher records for the Multi-warrant data. Any errors existing in the Multi-warrant data will be printed on an error list produced by this program.

The STR data produced by the Voucher program will be processed
with the Des Moines Abstract program. A proof of the Des Moines
Abstract will be run with the STR data from the Contractor Payment
System. This proof run will be made on Monday night following the
Contractor Payment System processing.

All weekly error listings, Payment Vouchers, Progress Vouchers,
etc., will be submitted to the Accounting Department. The Account-
ing Department will be responsible for the disbursement of the
data.

The Accounting Department will be responsible for the maintenance
of the Name and Address File. The Accounting Department will uti-
lize a Name and Address Change Sheet to add new contractors, change
existing names and addresses, or delete a contractor on the Name
and Address file. The Accounting Department will submit the change
sheets to the Workflow Section of the Data Processing Department by
4:00 P.M. each day with the exception of 2:00 P.M. cutoff time on
Friday. The Workflow Section will be responsible for getting the
cards punched, setting the Name and Address File Update program up
to process the data, and returning the source documents and Name
and Address listing to the Accounting Department.

The Name and Address Update program will use the sorted data cards
as input. This program will update the file on disk and produce a
listing and backup tape of the complete file.

If the Name and Address disk file is destroyed or becomes unusable,
the file can be recreated with the Name and Address File Rebuild
program. This program uses the Name and Address File Backup Tape
as input. Since the backup tape is created every time the disk
file is updated, it should not be necessary to reupdate the disk
file after recreating it from the backup tape.

The Name and Address Update processing will be done prior to the
weekly proof run of the Contractor Payment System. If there are
changes to the Name and Address File submitted on Monday, the
Name and Address Update process will be run prior to the Contractor
Payment System processing.

At the end of the month, the current Contractor Payment Master file
will be used as input to the Create Project Status Program. The
purpose of the Create Project Status Program is to produce a Project
Status File. This Status File will be used to make the Monthly
Reports. The output from this program will be a Project Status
Tape.

The Project Status Tape will be used as input to the Monthly
Progress Program. The file will be sorted prior to processing.
The purpose of the Monthly Progress Report Program is to produce
a Monthly Progress Report. The Report will be printed on wide
masters.

The Project Status Tape is sorted and processed by the Construction
Progress Report Program. The purpose of this program is to produce
a Construction Progress Report. The Report will be printed on

wide masters.

The Project Status Tape is sorted and processed by the Construction Progress Report Program. The purpose of this program is to produce a Construction Progress Report. The Report will be printed on 4-part ISHC forms. After the carbon is removed, the Report will be delivered to the Deputy Chief of Operations Office.

The Project Status Tape is also input to the Contractor Status Report Program. The purpose of this program is to produce a Monthly Contractor Status Report. The Report will be submitted to the Construction Department after removal of the carbons from the 8 copies. The Report will be printed on ISHC forms.

The Monthly Report Data Prep Program will produce a Monthly Report File. The Beginning of the Month Project Status File, and End of the Month Project Status File, the Completed this Month File, and a Completed this Year File will be used as input to this program. The purpose of the Monthly Report Data Prep Program is to combine all the information from the previously mentioned filed into one Monthly Report Tape.

The Monthly Report by Workclass Program will use the Monthly Report File as input. The Monthly Report File will be sorted prior to processing. The purpose of the Monthly Report by Workclass Program is to produce a report by residency and a report for the entire state by workclass. Both reports will be printed on 1-part ISHC forms.

The Monthly Report by Item Program will also use the Monthly Report File as input. The Monthly Report File will be sorted prior to processing. Both reports will be printed on 1-part ISHC forms.

The Monthly Report by Item Program will also utilize Item Select cards. The range of the item numbers that are punched in the Item Select cards, will be used by the Monthly Report by Item Program to select off certain items from the Monthly Report File for listing. This program will produce a report by residency and a report for the entire state. Only those items that have an item code falling within the range punched in the Item Select cards will be listed on either report.

The four previously mentioned reports will be submitted to the Construction Department. These reports will be produced once each month.

The Status List Program will be run on request. The program will use the current master file and control cards as input. The information that is punched in the control cards is obtained from a Master Record Status List code sheet (form 39). All requests will be processed each night. The status listing will be available the following morning. All requests will be submitted to the Workflow Section no later than 4:00 P.M. each day. All requests submitted after the 4:00 P.M. cutoff time will be processed with the next day's requests. The listing will be produced on 1-part standard paper.

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The Fiscal Report Program will be run at the end of each fiscal year. A fiscal year report is produced showing the number of miles of work completed in each county for a selected number of types of work. Also shown is the total number of bridges and culverts built in each county. The report is printed on multilith masters which are used by the Reproduction Department to print several copies for the Annual Report. The June Monthly Report Tape, a date card, and control cards are used as input to the program. The control cards will contain only the work class codes that are to be summarized for the report.

The Work Under Contract Program will produce a fiscal year report showing the number of miles and number of structures work is not complete on at the end of the fiscal year. The control cards will contain the different type of work codes that are to be summarized for the report. The total for each type of work is shown as Interstate, Primary, and Farm To Market. Input to the program will be the June 30 Monthly Report Tape, a date card, and control cards.

Contractor Payment System
Multi-Warrant Form

The Multi-Warrant Form will be used when part of all of a
progress payment is to be made to a party other than the
contractor. When a payment is to be made to another party, there
must be a large enough progress payment being made on the contract
to cover the amount of payment. If the progress payment that is
being made on the contract is not large enough, the program will
print a warning message indicating an insufficient amount of pro-
gress payment to cover the court order payment.

The contract number will be used to identify the contract that the
payment is to be applied to. The multiple warrant code will be
used to indicate more than one warrant is to be printed. The
multiple warrant code will range from 1 through 9. The name con-
tinuation column is used to indicate the presence of more than
one line of printing for the name and address. The range for the
name continuation will be from 1 through 9. The amount column is
used to enter the amount that is to be paid. This amount is entered
on the same line with the name. It is only entered once.

Contractor Payment System
Reprocessing Final Estimate

Due to errors in preparing information for a final estimate, it
may become necessary to reprocess the final estimate report for
a contract. The errors encountered may be a wrong quantity re-
ported on the final progress voucher, errors in reallocating
quantities on items, or a decision by the B.P.R. not to parti-
cipate on certain items.

The contract data to be used for reprocessing resides on the Com-
pleted Contracts Prior to Final 2-year Todate Tape. The data will
reside on this tape for a period of two years after processing the
final estimate data for a contract. After the two year period,
the data is automatically deleted by the STACOM program.

The contract records for the contract that is to be reprocessed,
will be selected off of the 2-year todate tape and will be com-
bined with the current master tape. The ISHC utility select pro-
gram will be used to select the data on contract number. The re-
maining contracts on the 2-year tape will be written onto a split
tape. The selected contract will then be sorted into the current
master tape with the utility sort program. During the weekly
processing, a new progress voucher will be printed for the con-
tract. This progress voucher will have an "F" in the box and the
wording "FINAL PROGRESS VOUCHER" printed on it. The voucher and
any other finalization data will be resubmitted to finalize the
contract.

Since the contract is being refinalized, it will also be necessary
to delete the finalized data for the contract from the Completed
Year-to-Date tape. This will be done by selecting the contract
off of the tape and writing the rest of the completed data on a
split tape with the ISHC utility select program. The contract num-
ber will be used to identify the item records for the contract. If
the contract is to be refinalized during the month it was first
finalized, the Completed Contracts tape for the week the contract
was finalized in will be the one used to delete the finalized con-
tract data from. This data will not have been combined with the
year-to-date data at this time. The split tape will be retained
as it is the new updated Completed Year-to-Date file. Prior to
releasing the selected data tape, it should be printed with DEBE.
This will insure the accuracy of the select run. The select tape
may be released after printing the information with DEBE.

CONTRACTOR PAYMENTS
WARRANT CANCELATION

The Warrant Cancelation form will be used by the Accounting Department when canceling a warrant produced for a progress payment on a contract. The information entered on this form will be used by the Contractor Payment System to reduce the quantities on the items that the progress payment was made for.

When canceling a warrant, it will be imperative to determine which items on the contract had progress reported for payment, and the quantity of progress that was paid for. This can easily be accomplished by locating the payment voucher that generated the warrant. At the bottom of the payment voucher (form 308), the number of the progress voucher (form 309), that generated the payment voucher will be printed. After locating the progress voucher (form 309), that initiated the progress payment, it will be easy to compute the quantities needed for each item to enter on the Warrant Cancelation Form.

The quantity that will be entered for each item on the Warrant Cancelation Form will be the difference between the "Completed Last Voucher" line and the "Total to Date" line. The quantities will be entered in their respective columns on the form. If a quantity for an item had been moved from one column to another between the time the Progress Voucher was processed and the warrant was canceled, it will be necessary to enter the minus quantity for a cancelation in the column the quantity for the item is currently residing in. If the quantity was entered as a minus quantity on the Progress Voucher (form 309) this quantity will be entered as a plus quantity on the Warrant Cancelation form. When this quantity is entered on the Warrant Cancelation form, the person preparing the form will be responsible for entering a plus sign above the units position of the quantity entered. The contract, group, and item numbers will be entered in their corresponding columns.

When a Progress Voucher (form 309) and a Warrant Cancelation are processed in the same weekly processing cycle, consideration should be given to the fact that the Warrant Cancelation data will change the status of the quantities completed as of the last Progress Voucher. For example, if on the Progress Voucher that is currently being processed, the "Completed Last Voucher" line for item 0001 shows a quantity of 500,000 in the Rural Participating column and there also exists in the same processing cycle a Warrant Cancelation that has a quantity of 100.00 entered in the Rural Participating column for item 0001, the true status of item 0001 will be 400.000 in the Rural Participating column. When the Progress Voucher data is processed by the computer, the computer will use the 400.000 quantity for the computations necessary to produce a progress payment for item 0001. The retention percentage entered on the cancelation form will be the current retention percentage that appears on the progress voucher used to initiate the progress payment.

This form will be submitted with the rest of the contractor payment data for the weekly cycle. If the contract has been finalized and the cancelation occurs on the sub-final or final payment voucher, this form will not be submitted.

The Accounting Department will also, in addition to the cancelation form, prepare a red refund voucher. This voucher will be keypunched to obtain STR data for the Project Cost Record. There will be no STR data or payment voucher generated by the Contractor Payment System when processing the Cancelation form. The Cancelation form will be used by the Contractor Payment System to change the quantities and retention paid on the contract.

The Progress Voucher number (form 309), contractor name, warrant number, and Payment Voucher number will be entered on their respective lines on the Warrant Cancelation form. This information will be used by the Accounting Department to relate the Cancelation to the documents involved in making a progress payment to the contractor.

The Warrant Cancelation must be signed to be keypunched.

```
   CPM                      LETTING              TAPE
DOCUMENTS                   SYSTEM               FILE

    │                          │                   │
    ▼                          ▼                   ▼
┌─────────┐  DATE CARD    ┌──────────┐       ┌──────────┐
│ ACCTG   │              │   NEW    │       │   CPM    │
│ DEPT.   │  1A          │ CONTRACT │       │ CURRENT  │
└─────────┘              └──────────┘       │  FILE    │
    │                          │             └──────────┘
    ▼                          ▼                   │
┌─────────┐    WORK      ┌──────────┐
│KEYPUNCH │    FILE ◄───►│ UPDATE   │
└─────────┘              │ PHASE I  │
    │                    │      000 │
    ▼                    └──────────┘
   CPM                        │
  CARDS                       ▼
    │                    ┌──────────┐      ERROR
    ▼                    │   NEW    │     MESSAGES
┌─────────┐ ┌──────────┐ │   CPM    │
│ UPDATE  │ │CROSS REF.│ │  FILE    │
│PHASE II │ │ PROGRAM  │ └──────────┘
│     002 │ │      038 │     CROSS        3B
└─────────┘ └──────────┘   REFERENCE
    │                       LISTING
    ▼
   CPM                     DATE CARD         TAPE
  TRAN.                                      FILE
  FILE
    │                                      COMPL
    ▼                                      2-YEAR
   2B        ┌──────────┐  WORK-1          TODATE
             │ UPDATE   │  WORK-2
             │PHASE III │◄─► WRK3
             │      004 │
             └──────────┘
    ┌────────────┼──────────────┐             │
    ▼            ▼              ▼             ▼
  ERROR        NEW          COMPL        ┌──────────┐
 MESSAGES      CPM          PRIOR TO     │ STACOM   │
               PH3          FINAL        │ PROGRAM  │
                                         │      006 │
    │            │            TAPE       └──────────┘
    ▼            ▼            FILE             │
   3B           2A                             ▼
                             ◄───────        NEW
                                            2-YEAR
                                            TODATE
```

2B

2A

DATE CARD

UPDATE
PHASE IV
008

ERROR
MESSAGES

3B

FINAL
ESTIMATE
RECONCIL

3B

NEW
CPM
PH4

DATE
CARD

WORK
FILE

UPDATE
PHASE V
010

NEW
PROGRESS
INVOICE

3B

NEW
CPM
FILE

COMPL
CONTRACT
FILE

VOUCH
TAPE

ERROR
MESSAGES

FINAL
EST
TAPE

TAPE
FILE

3A

3B

HISTRY
SORT
PH9

CPM
HIST.
FILE

DATE
CARD

FINAL EST.
LIST
PH8   012

NEW
CPM
HIST.

FINAL
ESTIMATE
REPORT

TAPE
FILE

3B

```
   ┌──────────┐           ┌────┐              ╭──────────╮
   │ MULTI    │           │ 3A │              │ NAME &   │
   │ WARRANT  │           └──┬─┘              │ ADDR.    │
   │ CARD     │              │                │ FILE     │
   └────┬─────┘              │                ╰────┬─────╯
        │                    ▼                     │
   ┌────▼─────┐        ┌──────────┐           ╭────▼─────╮
   │ DATE     │        │ VOUCHER  │           │ WORK     │
   │ CARD     ├───────▶│ PROGRAM  │◀─────────▶│ AREA     │
   │          │        │ PH6  014 │           │          │
   └──────────┘        └────┬─────┘           ╰──────────╯
        ┌──────────────┬────┴─────────┬──────────────┐
        ▼              ▼              ▼
   ┌─────────┐    ╭─────────╮    ┌─────────┐
   │ WARNING │    │  STR    │    │ VOUCHERS│
   │ MESSAGES│    │  TAPE   │    │         │
   └────┬────┘    ╰────┬────╯    └────┬────┘
        ▼              ▼              ▼
     ┌────┐     ┌──────────┐      ┌────┐
     │ 3B │     │ DES MOINES│     │ 3B │
     └────┘     │ ABSTRACT │      └────┘
               │ SYSTEM   │
               └────┬─────┘
     ┌──────────────┼──────────────┐
     ▼              ▼              ▼
 ┌─────────┐    ┌────┐       ┌──────────┐
 │ DES MOINES│  │ 3B │       │ WARRANT  │
 │ CARDS   │    └────┘       │ REGISTER │
 └─────────┘                 └──────────┘
               ┌──────────┐
               │ ACCTG    │
               │ DEPT.    │
               └────┬─────┘
                    ▼
              ╱──────────╲
        NO   ╱   DATA     ╲   YES
       ◀────╲    OK       ╱────▶
             ╲──────────╱
    ┌──────────┐        ┌──────────┐
    │ CORRECTION│       │ RELEASE  │
    │ DATA      │       │ DATA     │
    │ SHEETS    │       │          │
    └────┬──────┘       └──────────┘
         ▼
      ┌────┐
      │ 1A │
      └────┘
```

NAME &
ADDRESS
UPDATE

ACCT'G.
DEPT.

NAME &
ADDR. CODE
SHEETS

DATA
PROCESSING
WORKFLOW

DATA
PROCESSING
KEYPUNCH

NAME &
ADDR. CODE
SHEETS

NAME &
ADDRESS
CARDS

DATA
PROCESSING
WORKFLOW

NAME &
ADDR. CODE
SHEETS

NAME &
ADDRESS
CARDS

ACCT'G
DEPT.

5A

```
         ┌─────────────┐
         │  END OF     │
         │  MONTH      │
         │  REPORTS    │
         └─────────────┘
                │
                ▽
          ╲  TAPE   ╱
           ╲ FILE  ╱
            ╲────╱
                │
                ▽
            ╱CURREN╲
           │ CPM    │
           │ FILE   │
            ╲──────╱
                │
                ▽
         ┌─────────────┐
         │  CREATE     │
         │  PROJECT    │
         │  STATUS 020 │
         └─────────────┘
                │
                ▽
            ╱ PROJ. ╲
           │ STATUS  │
           │ FILE    │
            ╲───────╱
                │
                ▽
            ┌──────┐
            │ 6A   │
            ╲──────╱
              ╲  ╱
```

```
  ┌──────┐        ┌──────┐                    ┌──────┐        ┌──────┐
  │ TAPE │        │ TAPE │                    │ TAPE │        │ TAPE │
  │ FILE │        │ FILE │                    │ FILE │        │ FILE │
  └──────┘        └──────┘                    └──────┘        └──────┘
```

```
  ( BEGIN        ( END            ( COMPL.        ( COMPL.
    PROJECT        PROJECT          THIS            THIS
    STATUS )       STATUS )         MONTH )         YEAR )
```

```
                    ┌──────────────┐
                    │ MONTHLY      │
                    │ REPORT       │
                    │ PREP   028   │
                    └──────────────┘
```

```
                      ( MONTH
                        REPORT
                        FILE )
```

```
        ( 422030                    ( 422032          ┌──────────┐
          SORT )                      SORT )          │ ITEM     │
                                                      │ SELECT   │
                                                      │ CARDS    │
                                                      └──────────┘
```

```
┌──────────┐  ┌──────────────┐    ┌──────────────┐  ┌──────────┐
│ DATE     │  │ WORK CLASS   │    │ ITEM         │  │ DATE     │
│ CARD     │  │ MONTHLY      │    │ MONTHLY      │  │ CARD     │
│          │  │ REPORT 030   │    │ REPORT 032   │  │          │
└──────────┘  └──────────────┘    └──────────────┘  └──────────┘
```

```
┌──────────┐  ┌──────────┐        ┌──────────┐  ┌──────────┐
│ RESIDENCY│  │ STATE    │        │ RESIDENCY│  │ STATE    │
│ REPORT   │  │ REPORT   │        │ REPORT   │  │ REPORT   │
└──────────┘  └──────────┘        └──────────┘  └──────────┘
```

```
                    ┌──────────────┐
                    │ CONSTR.      │
                    │ DEPT.        │
                    └──────────────┘
```

```
                          ┌─────────────┐
                          │ PROGRAMS    │
                          │ RUN ON      │
                          │ REQUEST     │
                          └─────────────┘
                                │
                           ╲ TAPE  ╱
                            ╲ FILE ╱
                             ╲    ╱
                              ╲  ╱
                               ▽
        ┌─────────────┐      ╭───────╮
        │ CONTROL     │     │  CPS    │
        │ CARDS       │     │ MASTER  │
        │             │     │  FILE   │
        └─────────────┘      ╰───────╯
              │                  │
              ▽                  ▽
        ┌─────────────┐    ┌─────────────┐
        │ DATE        │    │ STATUS      │
        │ CARD        │──▷ │ LIST        │
        │             │    │ PROG   034  │
        └─────────────┘    └─────────────┘
                                 │
                                 ▽
                           ┌─────────────┐
                           │ CPM         │
                           │ STATUS      │
                           │ LIST        │
                           └─────────────┘
```

END OF
FISCAL
YEAR

TAPE
FILE

CONTROL
CARDS

MONTH
REPORT
TAPE

DATE
CARD

422036
SORT

FISCAL
REPORT
PROG   036

WORK
FILES

FISCAL
YEAR
REPORT

CONSTR.
DEPT.

```
                    ╲  TAPE  ╱
                     ╲ BIN  ╱
                      ╲    ╱
                       ╲  ╱
                        ╲╱

      ╭─────────╮          ┌──────────────┐
     ╱   MONTH   ╲         │ CONTROL      │
    │   REPORT    │        │ CARDS        │
    │    TAPE     │        │              │
     ╲           ╱         └──────────────┘
      ╰─────────╯

      ╭─────────╮          ┌──────────────┐
     ╱  422040   ╲         │ DATE         │
    │   SORT      │        │ CARD         │
     ╲           ╱         │              │
      ╰─────────╯          └──────────────┘

      ┌──────────────┐
      │ WORK UNDER   │
      │ CONTRACT     │
      │ PROG.  040   │
      └──────────────┘

      ┌──────────────┐
      │ HIGHWAY      │
      │ WORK UNDER   │
      │ CONTRACT     │
      └──────────────┘

      ┌──────────────┐
      │ CONSTR.      │
      │ DEPT.        │
      │              │
      └──────────────┘
```

PROGRAM DESCRIPTION

Title:_____(UDPHSE1) UPDATE PHASE I, OF CONTRACTOR PAYMENTS SYSTEM_____

Programmer: _____MERLIN ALLIE_____ Date:__JANUARY 13, 1969__

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure 4. Source Language 6. Running Time   8. Subroutines

---

1. PURPOSE: TO UPDATE CONTRACTOR PAYMENT MASTER TAPE WITH
    NEW CONTRACTS.

2. PROCEDURE: READS IN NEW CONTRACTS AND PLACES THEM ON
    CONTRACTOR PAYMENT MASTER TAPE IN PROPER
    SEQUENCE.

3. CONFIGURATION: 36Ø G4Ø.

4. SOURCE LANGUAGE: 36Ø PL1.

7. ADDITIONAL REMARKS: BOTH INPUT TAPES AND OUTPUT TAPE IS
    CHECKED FOR SEQUENCE ERRORS. ERROR
    MESSAGES ARE PRINTED OUT. ANY
    SEQUENCE ERRORS WILL STOP THE PROGRAM.

PROGRAM ABSTRACT   Program No. 422002

Title: CONTRACTOR PAYMENT PHASE II

Programmer: John Magnuson   Date: November 5, 1968

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

1. Purpose: To read data cards and write them on tape with
   a record length of 85 and blocking factor of 20,
   and to assign an ascending sequence number to
   the records.

2. Procedure: Reads one card at a time and writes it on tape
   with sequence number in last 5 positions of
   record.

3. IBM OS/360 Model 40 G

4. PL/1 F

7. First sequence number will be one.

Title: Contractor Payment Phase 3

Programmer: Paul Mahon   Date: 4-69

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

1. Purpose. To read in current transactions, error check the transactions, update the current contract master file with them and create an updated contract master file and an error list.

2. Procedure. Transactions are checked against a transaction code table and 2 subscripts determined. One indicates whether the transaction has an item number, the other is a subscript assigned to a particular type of transaction. These 2 subscripts are used to get the number of the routine applicable to the transaction from an array. If the transaction matches the master record, a branch is made to the proper routine by use of a label array. In the routine the transaction is error checked and warning and error messages generated. If the transaction is in error such that it cannot be used it is bypassed.

    As a change may affect an entire contract, records for contracts having action are written into a work file and written out of the work file after the last record of the contract has been processed. Updating and error checking of contract amounts are done at that time. Contracts on which there is no activity are written directly onto the output file after error checking.

3. Configuration. IBM 360 Model 40, 256K, with 2314, Tapedrives, console typewritten.

4. Source Language. PL/1 F. Move mode used as opposed to locate mode.

5. Limitations. Program must have 130K as now set up. Cone requirement could be reduced, but execution time would be substantially greater.

6. Running Time. Not Available.

7. Additional Remarks. None

8. Subroutines. None

PROGRAM ABSTRACT   Program No. 422006

Title: STACKED COMPLETED CONTRACTS

Programmer: ___Rita Glime___   Date: ___9-2-69___

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

1. Combine the completed contracts prior to finalization tapes into one tape file.

2. The weekly tape must be sorted by item number within group number within contract number sequence. A new date card needs to be created for each run. The current date is to be used. All contracts having a date of last invoice over two years prior to the current date will not be reproduced onto the output tape.

3. IBM 360.

4. PL/1 (F)

5. None

6.

7. None

8. None

Title: UDPHSE4 CONTRACTOR PAYMENTS SYSTEM

Programmer: MERLIN ALLIE   Date: 6-3Ø-69

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

1. PURPOSE: TO CREATE FINAL ESTIMATE RECONCILIATION REPORT AND GENERATES MASTER RECORDS FOR FINAL ESTIMATE REPORT.

2. PROCEDURE: IF CONTRACT IS BEING FINALIZED, A SECOND INPUT IS BROUGHT IN THAT SHOWS WHAT ACCOUNTING UNITS THE COST IS TO BE SPREAD OVER AND THE RE-CONCILIATION IS PRINTED OUT AND MASTER RECORDS CREATED FOR THE DIFFERENT ACCOUNTING UNITS.

3. CONFIGURATION: 36Ø H4Ø.

4. SOURCE LANGUAGE: 36Ø PL1; LOCATE MODE, STATIC STORAGE, NST OPTION ADDED.

7. ADDITIONAL REMARKS: THIS IS VERY CLOSE TO THE 135 K LIMIT. IF ERROR OCCURS A MAP WILL HAVE TO BE USED IN DEBUGGING BECAUSE OF THE NST OPTION.

Title: Contractor Payment Phase 5

Programmer: _____ Paul Mahon _____   Date: _____ 4-69 _____

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure 4. Source Language 6. Running Time   8. Subroutines

1. PURPOSE. To read in the current contract master, calculate
    progress amounts and retention, update and generate a new master
    file, create a completed contract file, create payment voucher
    file, create a final estimate file, write a progress voucher
    print file and an error list.

2. Determination of action required on a contract is made by
    examination of a character in the master record. This character
    is set in phase 3 if new progress vouchers are needed and if
    payment vouchers are to be written. If a contract is being
    finalized, the switch is modified in Phase 5. The letting
    program sets this switch to indicate that a progress voucher
    is to be written for new contracts.

    Contracts on which no action is indicated are error checked and
    written directly on the new master file.

    Unfinalized contracts requiring progress vouchers only are
    written into a work file, are error checked, the progress voucher
    print file written and are outputted onto the new master file.

    If the contract is unfinalized but there is progress and
    payment voucher records are to be written, then progress
    amounts are calculated, retention is calculated, the payment
    vouchers are created and written into the voucher file. The
    item records are then written into a work file. When the
    contract has been processed onto the work file, it is read
    out of the work file, progress voucher print records are
    created, the contract is error checked and written onto the
    new master.

    Completed contracts come into the program exploded according to
    accounting unit and county. These items are collapsed into a
    single item record by use of a work file, voucher records are
    created, retention refund is calculated and a final payment
    voucher record written. The item records are written into a
    second work file to allow updating of contract amounts. The
    item records are read off to workfile, updated, final estimate
    records written and they are written onto the completed contracts
    file.

Title: Contractor Payment Phase 5

Programmer: Paul Mahon   Date: 4-69

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure 4. Source Language 6. Running Time   8. Subroutines

3. CONFIGURATION. IBM 360 Model 40, 256k with 2314, Tape drives, printer console.

4. SOURCE LANGUAGE. PL/1 F using move mode.

5. LIMITATIONS. Program require 130k.

6. RUNNING TIME.

7. ADDITIONAL REMARKS. None.

8. SUBROUTINES. None.

Title: <u>FINAL ESTIMATE</u>

Programmer: ___John Magnuson___   Date: <u>February 25, 1969</u>

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

---

1. Purpose: To print out a final estimate report
                   indicating contract and actual amounts
                   and quantities with differences and
                   percentages.

2. Procedure: Contractor payment final estimate file,
                   table cards, and a date card are input.
                   Program computes sub-totals on changes
                   in accounting unit and participation
                   code. A grand total is accumulated for
                   each contract number.

3. IBM OS/360 Model 40 H

4. OS/360 PL/1 Version 4 Level F

5. Limitations: Date card will be first input card. Table
                   cards containing system prefix code descriptions
                   will follow date card.

PROGRAM ABSTRACT   Program No. 422014

Title: CONTRACTOR PAYMENTS VOUCHER PROGRAM, PHASE 6

Programmer: Jim Mason   Date: March 19, 1969

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language 6. Running Time   8. Subroutines

---

1. Purpose: Creates primary and farm-to-market contractor payment vouchers and STR records for the accounting system.

2. Procedure:
   Input:
   (A) Date card
       current date mmddyy col. 1-6
       D.M. abstract date mmddyy col. 7-12
   (B) Warrant cards (optional)
       sorted on col. 1-7
   (C) Voucher tape
       sorted by contract #, voucher #, function code, rural-urban code, participating-non-participating-suspense code
   (D) Contractor name and address file, indexed sequential, keyed by contractor #

   Output:
   (A) Payment vouchers, forms 3Ø8CP-12M, 3Ø8CF-8M
   (B) S.T.R. Tape
   (C) Error list (will not appear if run was error free)

3. Configuration: 36Ø G4Ø

4. Source Language: 36Ø PL/1 F

5. Limitation: Date card must be first; warrant cards and voucher tape must be sorted.

7. Remarks: A dummy heading is printed for form alignment purposes; messages appear for mounting forms and carriage tape; error list is printed on one-part wide standard paper.

Title: __(NAWUP) CONTRACTOR PAYMENTS SYSTEM__

Programmer: ___Merlin Allie___   Date: __April 4, 1969__

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

---

1. Purpose: To create, or delete records on the contractor name and address indexed sequential file.

2. Procedure: Uses card input to update file, lists out contents of file, and creates backup tape.

3. Configuration: 360 G40

4. Source Language: 360 PL/1

5. Additional Remarks: Card input has to be sorted by Col 80, 79 and Col 5-1.

Title: NARP

Programmer: John Magnuson   Date: March 21, 1969

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language 6. Running Time   8. Subroutines

---

1. Purpose: To provide a means of recreating a name and
              address file in the event that the original
              file is accidentally deleted or otherwise
              lost.

2. Procedure: Read the data set from a backup file
                (magnetic tape) and write on direct access
                storage device.

3. Configuration: 36∅/OS Model 4∅G

4. Source Language: PL/1

Title: PROJECT STATUS FILE

Programmer: John Magnuson   Date: February 28, 1969

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

1. Purpose: To create a project status file with a monthly
               progress classification code for each record.

2. Procedure: Input will be the contractor payment master
                 file (Tape).
                 Monthly progress code is selected from an
                 internal table. Road System Code (pos. 1 & 2
                 of project number) concatenated with work class
                 is used to search table.

3. Configuration: IBM OS/360 Model 40H

4. Source Language: OS/360 PL/1 Version 4 Level F

Title: MONTHLY PROGRESS REPORT

Programmer: John Magnuson   Date: April 1, 1969

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

---

1. **Purpose:** To print a list of the monthly progress of the contractor payment system with respect to the unfinished products.

2. **Procedure:** Status & Current date card file are input. Input will be sorted: Major field - Monthly Progress Classification Code - County - 11 Digit Project No. - Work Class. Program computes percent time elapsed and percent work completed. Percentages are summarized on a change in monthly progress classification code.

3. **Configuration:** IBM OS/360 Model 40 H

4. **Source Language:** OS/360 PL/1 Version 4 Level F

PROGRAM ABSTRACT   Program No. 422024

Title: CONSTRUCTION PROGRESS REPORT

Programmer: Jim Brendeland   Date: 4/22/69

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

---

1. To produce a listing of contract data by residency.

2. Input tape is sorted internally. Data is accumulated by contract number or project number within residency. Invalid residencies will appear at the front of the listing as 'ØØ' residency number.

3. IBM - 36Ø G4Ø.

4. Cobol F.

5. Date card and residency table cards must be punched as per remarks section of run sheet.

6. Variable, depending upon volume of data.

PROGRAM ABSTRACT   Program No. __422026__

Title: __(STATREP) REPORT SHOWING STATUS OF EACH CONTRACTOR__

Programmer: __Merlin Allie__   Date: __2-6-69__

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

---

1. Purpose: Print a report showing the status of each
              contractor having contracts in effect.

2. Procedure: Sort Tape: Contract number within project number
                within contractor number. Print a line showing
                status for each contract. On a change of
                contractor print a total for the contractor. At
                the end print a grand total.

3. Configuration: 36Ø G4Ø

4. Source Language: 36Ø PL/1

7. Additional Remarks: A date card has to be supplied: A 6-place
                         numeric date in the first 6 pos.; an
                         alphanumeric date in the next 18 pos.;
                         both dates have to be the date of the run.

Title: __CPMRP__

Programmer: __Dick Hutchinson__   Date: __April 9, 1969__

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

---

1. The purpose of the program is to produce a tape containing
    information necessary for producing monthly and fiscal year
    reports.

2. The program will first process the two status tapes to build
    item records for the 'Built this month quantities and amounts'.
    The control fields for getting a match for the two status tapes
    are: contract number, group number, and item number. If an
    equal compare is encountered, the beginning of the month figures
    will be subtracted from the end of the month figures to obtain
    the 'built this month' figures. If an item for a given contract
    and group no. on the ending status tape cannot be found on the
    beginning status file, the amounts and quantities are summarized
    and moved to 'built this month' amounts and quantities fields
    on the monthly report tape. When the ending status tape has
    reached an end of file condition, the completed projects this
    month tape is processed to build records containing accepted
    this month quantities and amounts. Following the completed
    this month processing, the completed this year tape will be
    processed to build records containing accepted year to date
    quantities and amounts.

    At the beginning of the program, a table is created containing
    the monthly progress report classification code for the appropri-
    ate road systems and work classes. When processing the
    completed this month and completed this year tapes, the first
    2 digits of the project control number and work class are
    loaded into subscripts to obtain the correct progress classi-
    fication code.

    The amount under contract (positions 371-381) on the monthly
    report tape is computed by multiplying the unit price (ending
    status) times the authorized item quantity (ending status).

    By using a switch and the same work area, the same routine is
    used for processing the completed projects this month and com-
    pleted projects this year tapes.

    If the item number begins with a 7, or cancel item flag is not
    blank, or cancel contract flag is not blank, the record is not
    processed. This pertains only to the completed projects tapes.

Title: CPMRP

Programmer: Dick Hutchinson   Date: April 9, 1969

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure 4. Source Language 6. Running Time   8. Subroutines

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3. Configuration:
    Source Computer:
        IBM, 360 H40
    Object Computer:
        IBM, 360 H40

4. Source Language:
    Cobol F

7. Additional Remarks:

    Because the two status tapes have the same Dsname and the com-
    pleted projects tapes have the same Dsname, extreme caution
    must be exercised when assigning volume serial number cards
    to the appropriate DD cards.

        The DD names for the files are as follows:

            STATEND   -   Ending Status Tape
            STABEGIN   -   Beginning Status Tape
            MONPROJ   -   Completed projects this month tape
            YEAR PROJ   -   Completed projects this year tape
            REPORT   -   Monthly Report Tape

    Items beginning with '7' on the ending and beginning status
    tapes are bypassed.

Title: CONTRACTOR PAYMENT SYSTEM MONTHLY REPORT BY WORK CLASS

Programmer: Carole Pearson   Date: April 7, 1969

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

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1. This program produces a monthly report by work class for each residency showing the quantity and amounts that are under contract, built this month, accepted this month, and accepted this year. A recap is printed for each residency. A similar state listing is also produced.

2. Input is the Monthly Report tape which is sorted (major to minor) district, residency, work class code, contract group, and item number for residency reports; and work class, contract group, and item number for the state reports. For the residency report, breaks are taken on both work class changes and residency or district changes. After a residency or district break, a recap is also done giving only amount totals. The state reports have breaks on only the work class with a recap at the end which gives the total amounts for the states. Positions 23 thru 27 on the control card will contain 'Res.' if a residency report is required. and 'State' if a state report is required.

3. IBM - 360 G40.

4. COBOL.

5. If both residency and state reports are desired, the program must be run twice; once with 'Res.' in the control field of the control card, and once with 'State' in this field. If the field is blank, the program will not run.

6. Running time is about 5 minutes.

Title: (MORPITM) MONTHLY REPORT BY ITEM, CONTRACTOR PAYMENT SYST.

Programmer: Merlin Allie   Date: 4-30-69

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

---

1. Purpose: Produce a report showing the quantity and amount
               that is under contract, built this month, and
               accepted this year for a selected number of items.
               This will be done by residency or totals for the
               whole state.

2. Procedure: The monthly report tape is sorted for the correct
                 listing and the items to be selected are obtained
                 from a card file.

3. Configuration: 360 G40.

4. Source Language: 360 PL/1.

7. Additional Remarks: A control card has to be placed in with
                          a date and a code to tell which report
                          to be put out.

Title: 'P46125JM' CONTRACTOR PAYMENTS STATUS LIST PROGRAM

Programmer: Jim Mason   Date: November 14, 1968

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

1.   PURPOSE: LIST ALL OF CONTRACTOR PAYMENT MASTER RECORD.
                THE RECORDS TO BE LISTED ARE INDICATED BY
                CONTROL CARDS THE USER SUPPLIES AS INPUT TO
                THE PROGRAM.

2.   PROCEDURE: INPUT DATE CARD, CONTROL CARDS, AND CONTRACTOR
                  PAYMENT MASTER TAPE (SORTED IN ASCENDING ORDER,
                  ITEM # WITHIN GROUP # WITHIN CONTRACT #).

3.   CONFIGURATION: 360 G40.

4.   SOURCE LANGUAGE: PL/1 F (VERSION 3, RELEASE 13)

5.   LIMITATIONS: DATE CARD MUST PRECEED ANY CONTROL CARDS;
                    IF NO CONTROL CARDS ARE PRESENT, ENTIRE FILE
                    WILL BE PRINTED; IF ERRORS ARE FOUND IN
                    A CONTROL CARD, THAT CARD WILL BE SKIPPED
                    AND AN APPROPRIATE ERROR MESSAGE WILL BE
                    PRINTED ON THE CONSOLE.

PROGRAM ABSTRACT

Title: CONTRACTOR PAYMENT FISCAL YEAR REPORT

Programmer: John R. Coleman   Date: 1-30-70

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

1. To list completed construction (Miles or structures) by WORK
   CLASS CODE for counties and by type of system i.e. Interstate,
   Primary, Secondary.

2. a) The program inputs the Contractor Payment Monthly Report
      tape sorted in order by Item within Group within Contract
      number within County.

   b) A date card must be the first card.

   c) Work Class Code heading cards follow the date card and
      are used to create the headings.

   NOTE: The order of the work class headings is determined
         by the order in which the Work Class Code cards are
         placed. The program cannot handle over 29 of these
         cards.

3. 360 I50

4. PL/1

5. Can handle only Work Class Code cards.

6. 20-30 minutes with sort.

PROGRAM ABSTRACT

Title: _____ CROSS REFERENCE LIST _____

Programmer: K. L. Shafer _____ Date: June 3, 1969 _____

1. Purpose   3. Configuration   5. Limitations   7. Additional Remarks

2. Procedure   4. Source Language   6. Running Time   8. Subroutines

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1. The purpose of this program is to produce a listing of the contracts on the Contractor Payment Master Tape. The listing will show the contract number, project number, contractor name, RCE name and type of work. The listing will be used by the Accounting Department.

2. The program will use the current master tape as input. The program will be run following the addition of new contracts to the master tape from the letting.

3. IBM 360 256K
   1 TAPE DRIVE
   1 PRINTER
   1 CARD READER

4. PL/1.

5. None

6. The program will run at print speed.

Title: HIGHWAY WORK UNDER CONTRACT

Programmer: Kenneth L. Nelson Date: 7-13-70

1. Purpose 3. Configuration 5. Limitations 7. Additional Remarks

2. Procedure 4. Source Language 6. Running Time 8. Subroutines

1. The purpose of this program is to produce a fiscal report showing the different types of work that are under contract with the categories of interstate, Primary, and Farm to Market.

2. The Monthly Report tape is sorted in sequence of item number, within group, within contract number within type of work.

    The program accumulates the miles for the different categories for each type of work. When the work class code changes the program will print a line for the class.

    The only work class that may be listed that does not contain miles is structures, which is work class 06. This class contains either number of bridges or number of culverts.

3. IBM 360 I50

4. PL/1

5. N.A.

6. N.A.

7. None

8. None

CODING INSTRUCTIONS

I. Contract Construction Progress Voucher   (Form 309)

1. Contract Number

The contract number is printed on the voucher by the
computer. This number identifies the contract that
was written for the project.

2. Group Number

The group number is printed by the computer. This
number is used to identify a particular structure
within a contract.

3. Voucher Number

All progress vouchers printed for a contract are
sequentially numbered by the computer. The first
voucher printed for a new contract will be number
one. This number incremented by one each time a
progress voucher for the contracted is submitted
for payment.

4. Final Voucher Box

This box is used to indicate to the programs whether this
progress voucher is a sub-final or final. All sub-final
progress vouchers should have an "X" entered in the box.
The computer will then print an "F" in the box when the
next progress voucher is printed. The "F" will indicate
that this voucher is a final voucher. The box should be
left blank on progress vouchers that are submitted for
estimate payments only.

5. Date Last Voucher

This date is the date of the last progress voucher processed
for payment by the computer. The date is printed on this
line by the computer.

6. Date This Voucher

The date of preparation by the RCE should be entered on this
line. This date will appear as the date of last voucher on
the next progress voucher printed for the contract. This
date will also appear on the payment voucher that is printed
by the computer.

7. Extra Days

If the extra days shown in the "todate" column are to be
increased, the additional quantity may be entered in the
"this voucher" column. The number that is entered will
be added to a total todate and will show an increase in
the "to date" column on the next progress voucher printed.

8. Contract Retention

A. Current Retention Percent

The retention percentage that is currently in effect
is printed in this column. All progress payments will
have retention computed using this percentage figure.

B. Current Maximum Retention Amount

The amount printed in this column is the maximum amount
that will be retained for the contract.

C. New Retention Percent

If it is desired to change the current retention percent,
a different percentage figure may be entered in this
column. The new percentage will apply on the payment
being made for the progress voucher it is entered on.
If the retention percentage is not to be changed, this
column should be left blank.

C. New Maximum Retention Amount

If the current maximum retention amount is to be changed
to a different figure, the new amount may be entered in
this column. This amount will be in effect for the payment
made on this progress voucher and will be shown in the
current maximum retention amount on subsequent progress
vouchers. If the amount entered is less than the total
accumulated retention for the contract, a refund of
retention will be made to the contractor.

9. Item Number

The item number is used to identify the individual items
on the contract. This number is printed in this column by
the computer.

10. Quantity Awarded

The quantity printed by the computer in this column is
the quantity that is on the contract.

11. Quantity Authorized

This quantity is the maximum number of units that may be
entered for payment without further approval by the
Construction Department. If the quantity entered for
payment exceeds this quantity by more than 20%, a warning
message is printed for the contract. The quantity
authorized may be increased or decreased by a change
order (form 240).

12. Unit of Measure

The unit of measure is printed by the computer for each
item.

13. Item Description

There may be two lines of description printed for each
item by the computer. The description is the same as
the one on the contract.

14. Completed Last Voucher

The totals printed in the six columns for each item
show the total quantity paid for as of the last progress
voucher processed.

15. Total To Date

A quantity greater than the completed last voucher figure
is entered to generate a payment on an item. The payment
will be for the difference between the completed last
voucher figure and the total to date quantity. If the
quantity entered in the total to date is less than the completed
last voucher figure, a reduction in the total payment to the
contractor will occur. A refund of the accumulated retention
will not be made unless the item number is 8999. If there
has been no progress on an item, this line should be left
blank. If a quantity or part of a quantity is to be moved
from one column to another for an item, it is possible to show
a lower quantity in one column and a larger quantity in another
column on the same progress voucher. This will cause the
computer to make the necessary adjustments to the quantities
in the different columns but will not pay the contractor twice
for the same quantity.

II. Change or Extra Work Order   (Form 240)

1. Contract Number (Cols. 1-5)

    The five digit contract number that identifies the contract
    should be entered with leading zeroes on this line.

2. Group Number (Col. 6)

    If there are group numbers within the contract, the group
    number that the change/work order applies to should be
    entered on this line. A separate sheet must be used for
    each different group on a contract. If the contract does
    not contain groups, this line should be left blank.

3. Change/Work Order Number

    The number of the change/work order should be entered on
    this line. This number will be printed on the final
    estimate report when the contract is finalized.

4. A-Item Included in Contract

    A. Item Number

        A seven has been preprinted on the form as the left
        most position of the four digit item number. The
        first item number entered for a contract should be
        7001. Each additional item entered for a particular
        contract should be numbered with a number greater
        than the previous item. There cannot be two items entered
        with the same item number.

    B. Item Description

        The number of the item in the contract that this item
        applies to should be entered on the line in this column.
        The number should have leading zeroes entered. If it
        is desired, a second line of description may be entered
        for the change item. Both lines will be printed on the
        progress voucher.

    C. Function Code

        The function code column is not used in this section.

D. Unit Price

The unit price for the change item is entered in this column. Up to five decimal places may be entered.

E. Quantity

The quantity for the change item is entered in this column. The quantity, which may be either positive or negative, is entered with three decimal places. If the number is negative a "OR" should be entered immediately to the right of the third decimal position.

F. Amount

The amount for the change item is entered in this column. The amount, which may be either positive or negative, is entered with two decimal places. If the amount is negative a "OR" should be entered immediately to the right of the second decimal number.

5. B-Items Not Included in Contract

A. An "8" has been preprinted in the left most position of the item number column. This number is used by the program to identify this section of the form. The first item entered for a contract should be item 8001. This number should be incremented by one for each additional item entered in this section. There cannot be two items entered with the same item number. Item number 8999 has been reserved for an unincorporated material item. For new contracts, this may be the first item added so that payment for the unincorporated material may be made at the time that it is delivered to the job site.

B. Item Description

There may be two lines of description entered per item. These lines will be printed on the progress voucher for the item.

C. Function Code

The three digit function code is entered in this column for each item. Check the Accounting Manual for the proper function code.

D. Unit Price

The unit price for the item is entered in this column.
The unit price may be entered with five decimal places.
Each item should have a unit price entered. Lump sum
items should have 1.00 entered.

E. Quantity

The quantity for each item is entered in this column.
The quantity is entered with three decimal places.
Lump sum items should have the amount entered as a
quantity.

F. Amount

The amount for each item is entered in this column.
The amount is entered to two decimal places.

III. Change Sheet   (Form 54)

1. Contract Number

    The five digit contract number that the change applies to
    is entered in this column. The number should be entered
    with leading zeroes.

2. GRP

    If the contract contains groups, the group number that the
    change applies to should be entered in this column. The
    column should be left blank for contracts that do not
    contain groups.

3. Item Number

    If the change applies to an individual item on the contract,
    the item number should be entered with leading zeroes in
    this column. For changes that apply to an entire group or
    contract, this column should be left blank.

4. Field Identification

    The identification of the field that is to be changed is
    entered in this column. The identification code assigned
    to each field of the master record is found on the master
    tape record layout.

5. Change Data

    The new data that is to be placed in the field is entered
    in this column. Data is entered starting with the left
    most position and proceeding to the right. The dotted
    vertical line on the twenty-fourth column is used only to
    indicate the location of the eleventh coding position from
    the left of the line. Fields that are designated as numeric
    on the master record layout should only have numbers inserted
    in them. The alphanumeric fields may have either numeric or
    alphabetic data entered. Place a minus ("-") sign over the
    units position if the numeric data being entered is to be
    negative.

6. Card Type

    A card type of "2FORC" has been preprinted on the code sheet.

IV. <u>Master Record Status List</u>   (Form 39)

1. Contract Number

The number that identifies the contract that is to be listed is entered in this column. The five digit number should be entered with leading zeroes.

2. GRP

If the contract contains groups, the group number that is to be listed is entered in this column. If the contract does not contain groups or the entire contract is to be printed, this column should be left blank.

3. Item Number

If only one item on a contract is to be listed, the number of that item is entered in this column. The four digit number should be entered with leading zeroes. If all items in a group or a contract are to be listed, this column should be left blank.

V. Warrant Cancelation   (Form 37)

1. Progress Voucher Number

The number of the progress voucher that generated the progress payment should be entered on this line.

2. Contractor Name

The contractor's name that is on the payment voucher should be entered on this line.

3. Warrant Number

The number of the warrant that has been cancelled should be entered on this line.

4. Payment Voucher Number

The number of the payment voucher that generated the warrant should be entered on this line.

5. Contract Number

The number of the contract that the cancellation applies to should be entered on this line. The five digit number should be entered with leading zeroes.

6. GRP

If the contract contains groups, the group number should be entered on this line. For contracts that do not contain groups, this line should be left blank.

7. Retention Percentage

The retention percentage that was in effect at the time the progress payment was made should be entered on this line. The percentage is entered to the third decimal place. For example, "010000" is 10%. The percentage is used to back down the accumulated retention for the contract.

8. Item Number

    The numbers of the items that the progress payment was made on
    are entered in this column. The four digit numbers should
    be entered with leading zeroes. Only those items that
    progress was reported on should be entered.

9. Quantities

    The quantities that were paid for should be entered in the
    appropriate column for the item. The quantity that is
    entered in each of the columns should be the difference
    between the completed last voucher and the total to date
    quantities on the progress voucher. If the quantity for
    an item was reduced on the progress voucher, a plus
    quantity should be entered on this code sheet.

VI. Progress Voucher Request   (Form 56)

1. Contract Number

   The five digit number that identifies the contract should
   be entered with leading zeroes in this column.

2. GRP

   If the contract contains groups, the group number is
   entered in this column. For those contracts that do
   not contain groups, this column should be left blank.

3. Change Type

   A change type "F371" has been preprinted on the code
   sheet. This indicates to the program that a new progress
   voucher is to be printed.

4. Card Type

   Card type "2FORC" has been preprinted on the code sheet.

VII.   Cancel Contract   (Form 59)

1.   Contract Number

The number that identifies the contract that is to be
cancelled is entered in this column. The five digit
number should be entered with leading zeroes.

2.   GRP

If the contract contains groups, the group number should
be entered in this column. The column should be left
blank for contracts that do not contain groups.

VIII. <u>Cancel Item</u>   (Form 65)

1. Contract Number

   The five digit number that identifies the contract is
   entered with leading zeroes in this column.

2. GRP

   If the contract contains groups, the group number is
   entered in this column. For contracts that do not
   contain groups, this column is left blank.

3. Item Number

   The four digit number of the item that is to be cancelled
   is entered in this column. This number should be entered
   with leading zeroes.

IX. **Multi-Warrant Data**   (Form 46)

1. Contract Number

    The five digit number that identifies the contract is
    entered with leading zeroes in this column.

2. Multi-Warrant Code

    The multi-warrant code entered in this column will be "1"
    for the first warrant, "2" for the second, etc.

3. Name Continuation Code

    If it is necessary to continue to a second line for a
    name, the second line should have a "2" entered in this
    column. The multi-warrant code should be the same as
    the one in the first line entered for the payee. The
    first line entered for each payee should have a "1"
    entered in this column. A maximum of nine lines may be
    used for one payee.

4. Name

    The payee's name is entered in this column. This name will
    appear near the bottom of the payment voucher and on the
    warrant. For each additional line used to enter the payee's
    name, the name continuation code must be incremented by one.

5. Amount

    The amount of money the payee is to receive is entered in
    this column. The amount must be entered on the first line
    of the payee. This line should have a "1" in the name
    continuation code.

X. <u>Supplemental Contract</u>   (Form 57)

1. Contract Number

   The five digit number that identifies the contract is
   entered with leading zeroes in this column.

2. GRP

   If the contract contains groups, the group number is
   entered in this column. This column should be left
   blank for contracts that do not have groups.

3. Item Number

   The numbers of the items that are on the supplemental
   contract are entered in this column. The four digit
   number should be entered with leading zeroes.

4. Change Type

   A change type "F39" has been preprinted on the form.

5. Quantity

   The quantity that is shown on the supplemental contract
   is entered for each item in this column. Leading zeroes
   should be entered.

6. Card Type

   A card type of "2FORC" has been preprinted on the form.

XI. Accounting Unit 01 Description   (Form 36)

1. Contract Number

    The five digit number that identifies the contract is
    entered with leading zeroes on this line.

2. GRP

    If the contract contains groups, the group number is
    entered on this line. The line should be left blank
    for those contracts that do not have groups.

3. Description

    This line is used to enter a short description of the
    accounting unit 01. This description will be printed
    on the final estimate report.

XII. Reallocation of Accounting Units   (Form 34)

   1. Contract Number

       The five digit number that identifies the contract is
       entered with leading zeroes in this column.

   2. GRP

       The group number is entered in this column. If the
       contract does not contain groups, the column should
       be left blank.

   3. Accounting Unit

       The accounting unit number is entered in this column.
       The first accounting unit entered would be "02".
       The computer has already established an accounting
       unit "01" and has printed the identification of it on
       the final progress voucher. As many accounting units may
       be used as are necessary to break the project down
       into sections.

   4. County Number

       The number of the county that the accounting unit resides
       in is entered in this column. On a two county project,
       the second accounting unit may be used only to describe
       the second county. On an I-IG project, the second
       accounting unit would be used to describe the IG portion
       of the project.

   5. Participation Class

       The two digit code of the participation class for the
       accounting unit is entered in this column. If, for example,
       the second accounting unit was being used to describe
       the IG portion of an I-IG project, a "02" would be entered
       in this column for accounting unit two.

   6. Accounting Unit Description

       A short description of the accounting unit may be entered in
       this column. The description will be printed on the final
       estimate.

7. Card Type

    A card type of "4RAL1" has been preprinted on the form.

XIII. <u>Quantity Reallocation for Final</u>   (Form 35)

1. Contract Number

    The five digit number that identifies the contract is
    entered with leading zeroes in this column.

2. GRP

    If the contract contains groups, the group number is
    entered in this column. The column should be left
    blank for those contracts that do not have groups.

3. Item Number

    The four digit item number is entered with leading zeroes
    in this column. Only those items that have a quantity
    being reallocated to an accounting unit need be entered.

4. Rural and Urban Quantities

    These columns are used to enter the quantities of each
    different accounting unit for an item. The total
    quantity reported to date must be shown for the different
    accounting units. One line will be used for each different
    accounting unit within the item number. If the total
    quantity for accounting unit "01" is zero, a zero
    quantity must be shown for that accounting unit.

5. Card Type

    The card type is composed of the preprinted "4RA" and
    the accounting unit number. A separate line is used
    for each different accounting unit within an item. All
    accounting unit numbers and quantities must be entered
    for the item.

XIV. Name and Address Change Sheet   (Form 38)

1. Contract Number

    The five digit number that identifies the contractor is
    entered with leading zeroes on this line. Each contractor
    must have a unique number.

2. New

    This box should be checked only when a new contractor
    record is being added to the file.

3. Change

    This box should be checked when a change is being made
    to a contractor record that already exists on the contractor
    name file.

4. Delete

    This box should be checked only when the entire contractor
    record is to be deleted from the contractor name file.

5. Contractor

    This section is used to enter the contractor's name and
    address. The name will appear on the payment voucher
    and the warrant exactly as it is entered on the code sheet.
    The address will appear on the payment voucher only.

6. Assignee 1

    This section is used to enter the name and address of an
    assignee. The name will appear on the payment voucher and
    the warrant exactly as it is entered on the code sheet.
    The program will generate the word "AND" between the
    contractor's name and the assignee name. An assignee code
    must be entered on the master tape record in the contract
    for which the assignee is to apply. If there is not
    an assignee for the contract, this section should be
    left blank.

7. Assignee 2

    This section is used to enter a second assignee for the
    contractor. The assignee code entered in the master records
    of the contract for the contractor is used to indicate
    which assignee applies.

8. Deletion of Lines

A line may be deleted in any one of the three sections by entering a special delete character (✳) in the left most position of the line. This will cause the entire line to be blanked out.

XV. Refinalization Request

If a contract is to be re-finalized, this sheet is used
to request the Data Processing Department to place the
data for the contract back on to the current master tape.
After this work has been completed, the system will
automatically print a new final progress voucher. This
progress voucher may then be submitted to re-finalize the
contract.

SAMPLE FORMS

CONTRACT 01964 GROUP 1

1

VOUCHER NO. 1   ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

PAGE 1

F-520-4(7)--20-40
STRUCTURES
JAMES R BUMP

Form 309-25M-14969

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

DATE LAST VOUCHER | 00 - 00 - 00 | THIS VOUCHER 06-10-68 |
MO. DAY YR.   MO. DAY YR.

EXTRA DAYS					CONTRACT RETENTION			
THIS VOUCH	TO DATE				CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
00		CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.			0.100	4906.34	.	.

ITEM NO.	QUANTITY AWARDED	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
	ITEM DESCRIPTION									
0001	577,200	577,200	CU.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	CONCRETE, STRUCTURAL			TOTAL TO DATE	134,000					
0002	132811,000	132811,000	LBS.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	STEEL, REINFORCING			TOTAL TO DATE	31040,000					
0003	14000	14000	ONLY	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BEAMS, PRETENSIONED, PRESTRESSED CONCRETE B-2			TOTAL TO DATE						
0004	14000	14000	ONLY	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BEAMS, PRETENSIONED, PRESTRESSED CONCRETE, B-9			TOTAL TO DATE						
0005	440000	440000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	HANDRAIL, ALUMINUM			TOTAL TO DATE						
0006	4390000	4390000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	PILING, CREOSOTED			TOTAL TO DATE	2235000					
0007	460000	460000	CU.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	EXCAVATION, CLASS 20			TOTAL TO DATE	360000					
0008	110000	110000	CU.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BACKFILL, GRANULAR			TOTAL TO DATE						
0009	565000	565000	SQ.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	CONCRETE, SLOPE PROTECTION			TOTAL TO DATE						
0010	212000	212000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	SUBDRAIN, TILE, 4IN.DIA.			TOTAL TO DATE						

SAMPLE

AUDITED ACCOUNTING DEPT.	I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.	CLAIMANT'S CERTIFICATION
	DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION	I, _____ , THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.
	DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL	
	DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL	DATE _____ SIGNED CLAIMANT (CONTRACTOR)

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

ESTIMATED OVER–RUN OR UNDER–RUN INVOLVED FOR CONTRACT

					GRP.	
	1 2 3 4 5					6

A–ITEMS INCLUDED IN CONTRACT   CHANGE/WORK ORDER NO. _____

7——10

ITEM NO.	ITEM DESCRIPTION	FUNCTION CODE	UNIT PRICE .XXX	QUANTITY .XXX	AMOUNT .XX
7	APPLIES TO ITEM				
7	APPLIES TO ITEM				
7	APPLIES TO ITEM				
7	APPLIES TO ITEM				
7	APPLIES TO ITEM				
7	APPLIES TO ITEM				
7	APPLIES TO ITEM				
7	APPLIES TO ITEM				
7	APPLIES TO ITEM				
7	APPLIES TO ITEM				
7	APPLIES TO ITEM				
		TOTAL			

B–ITEMS NOT INCLUDED IN CONTRACT

7——10

ITEM NO.	ITEM DESCRIPTION	FUNCTION CODE	UNIT PRICE .XXX	QUANTITY .XXX	AMOUNT .XX
8					
8					
8					
8					
8					
8					
8					
8					
8					
8					
8					
		TOTAL			

86

CONTRACTOR PAYMENT
CHANGE SHEET

CONTRACT NUMBER	G R P	ITEM NUMBER	FIELD ID	CHANGE DATA	CARD TYPE
1	6 7		11	14	76
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
					2,FO,RC
1	6 7		11	14	76

87

FORM NO. 34

CONTRACTOR PAYMENT
REALLOCATION OF ACCOUNTING UNITS

CONTRACT NUMBER	G R P	ACTG UNIT	CNTY NO.	PART CLSS	ACCOUNTING UNIT DESCRIPTION	CARD TYPE
1	6	11	13	15	17	76 4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1
						4 R A L 1

CONTRACTOR PAYMENT
QUANTITY REALLOCATION FOR FINAL

CONTRACT NUMBER	GRP	ITEM NO.	RURAL			URBAN			CARD TYPE
			PARTICIPATING	NON-PARTICIPATING	SUSPENSE	PARTICIPATING	NON-PARTICIPATING	SUSPENSE	UNIT
1	6	7	11	22	33	44	55	66	76 4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA
									4 RA

89

CONTRACTOR PAYMENT
ACCOUNTING UNIT 01 DESCRIPTION

```
                              G
                              R
        CONTRACT             P
        NUMBER              |  | |F,3,4|                    |2,F,O,R,C|
      |_,_,_,_,_,_|        |__|                            |_____|
      1      ·    5         6  11   13                     76        80
```

DESCRIPTION

```
|_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_,_|
14                                                        43
```

SUBMIT THIS FORM FOR EACH CONTRACT WITH THE FINAL
PROGRESS VOUCHER.   THE UNIT DESCRIPTION WILL BE PRINTED
ON THE FINAL ESTIMATE REPORT.   ANY DESCRIPTIVE INFORMA-
TION CAN BE ENTERED SUCH AS THE FOLLOWING EXAMPLES:

      "STA 1160+15 TO STA 1163+00"
      "DIVISION 2 ON PLANS"

IF THERE IS MORE THAN ONE GROUP ON THE CONTRACT, SUBMIT
ONE SHEET PER GROUP WITH THE FINAL PROGRESS VOUCHER.

CONTRACTOR PAYMENTS
SUPPLEMENTAL CONTRACT

CONTRACT NUMBER	G R P	ITEM NUMBER	CHG. TYPE	QUANTITY	CARD TYPE
1	6	7	11 F,3,9	14	76 2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C
			F,3,9		2,F,O,R,C

CONTRACTOR PAYMENTS
MASTER RECORD STATUS LIST

CONTRACT NUMBER	GRP	ITEM NUMBER
1	6	7

CONTRACTOR PAYMENTS
PROGRESS VOUCHER REQUEST

CONTRACT NUMBER	G R P	CHG. TYPE	CARD TYPE
1	6	LL F,3,7,I	76 2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C
		F,3,7,I	2,FO,R,C

FORM NO. 46

CONTRACTOR PAYMENTS
MULTI-WARRANT DATA

CONTRACT NUMBER	1	2	NAME	AMOUNT
1	6	7	8	38

1 MULTI-WARRANT CODE
2 NAME CONTINUATION CODE

PREPARED BY _____

FORM NO. 59

CONTRACTOR PAYMENT
CANCEL CONTRACT

CONTRACT NUMBER	G R P		
1	6	11 F,2,O,I	76 2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C
		F,2,O,I	2,F,O,R,C

CONTRACTOR PAYMENT
CANCEL ITEM

CONTRACT NUMBER	G R P	ITEM NUMBER		
1	6	7	11	76
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C
			F 3 8 1	2 F O R C

CONTRACTOR PAYMENT
WARRANT CANCELATION

PROGRESS VOUCHER
NUMBER (309)

CONTRACTOR NAME

WARRANT
NUMBER

PAYMENT VOUCHER
NUMBER (308)

CONTRACT
NUMBER

G
R
P

RETENTION
PERCENTAGE

(CANC)
CARD
TYPE

ITEM NO.	RURAL PARTICIPATING QUANTITY F83	RURAL NONPARTICIPATING QUANTITY F84	RURAL SUSPENSE QUANTITY F85	URBAN PARTICIPATING QUANTITY F86	URBAN NONPARTICIPATING QUANTITY F87	URBAN SUSPENSE QUANTITY F88

PREPARED BY _____

CONTRACTOR PAYMENTS
NAME & ADDRESS

CONTRACTOR
NUMBER

☐ NEW   ☐ CHANGE   ☐ DELETE

CONTRACTOR

NAME LINE 1	ADDRESS LINE 1	0 11
NAME LINE 2	ADDRESS LINE 2	0 12
NAME LINE 3	ADDRESS LINE 3	0 13
NAME LINE 4		0 14

ASSIGNEE 1

NAME LINE 1	ADDRESS LINE 1	0 15
NAME LINE 2	ADDRESS LINE 2	0 16
NAME LINE 3	ADDRESS LINE 3	0 17

ASSIGNEE 2

NAME LINE 1	ADDRESS LINE 1	0 18
NAME LINE 2	ADDRESS LINE 2	0 19
NAME LINE 3	ADDRESS LINE 3	1 10

IOWA STATE HIGHWAY COMMISSION

To   Data Processing Department   Date
      ATTENTION: OPERATION SECTION
From Accounting Department   **REFER TO:**

Subject Re-finalization of contract number_____

Attached

Please select from the 2-year Todate Tape and combine with the
current Contractor Payment Master Tape the data for the above
mentioned contract. Also remove from the Completed This Fiscal
Year Tape all data for the contract.

DATA PROCESSING
Work completed by:_____Date:_____

IOWA STATE HIGHWAY COMMISSION

To Data Processing Department
  Workflow Section   **Date**

From   **REFER TO:**
  Accounting Department
  Contracts Section
Subject Contractor Payments

Attached

Please remove the data cards for the following contracts:

Progress Payment Cards

	3PRO
	3PRO
	3PRO
	3PRO

Change Order Cards

	1CHG
	1CHG
	1CHG
	1CHG

Extra Work Order Cards

	1NEW
	1NEW
	1NEW
	1NEW

Change Cards

	2FORC
	2FORC
	2FORC
	2FORC

Reallocation Cards

	4RA
	4RA
	4RA
	4RA

Warrant Cancellation

	1CANC
	1CANC
	1CANC
	1CANC

KEYPUNCH INSTRUCTIONS

KEYPUNCH INSTRUCTIONS

JOB NAME ___CONTRACTOR PAYMENTS___

INPUT DOCUMENT ___Construction Progress___ **CHARGE CODE**_____
            Voucher

CARD ____5081____ COLOR ___Green_____

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
11,14	Progress Voucher Number	X	
15,15	Finalization Code		X
16,21	Date of This Voucher	X	
22,24	Extra Days	X	
25,30	New Contract Retention Percentage (3 decimals)	X	
31,41	New Maximum Retention Amount (2 decimals)	X	
76,76	"3"	X	
77,79	"PRO"		X
80,80	"1"	X	

SPECIAL INSTRUCTIONS: One card should be punched for each group on
the contract. If the contract does not contain groups, punch only
one card for the contract.

KEYPUNCH INSTRUCTIONS

JOB NAME ___CONTRACTOR PAYMENTS_____

INPUT DOCUMENT _Construction Progress Voucher__ CHARGE CODE_____

CARD ___5081_____ COLOR ___Green_____

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
7,10	Item Number	X	
11,11	"F"		X
12,13	Column Identification	X	
14,24	Quantity to Date (3 decimals)	X	
76,76	"3"	X	
77,79	"PRO"		X
80,80	"2"	X	

SPECIAL INSTRUCTIONS: Columns 1-6, 11, and 76-80 may be duplicated in all cards punched for the progress voucher. Cards should be punched only for those items that have a total to date quantity entered.

KEYPUNCH INSTRUCTIONS

JOB NAME <u>CONTRACTOR PAYMENTS</u>

INPUT DOCUMENT <u>Reallocation of Accounting Units</u> CHARGE CODE _____

CARD ____<u>5081</u>____ COLOR ____<u>Blue</u>____

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
11,12	Accounting Unit Number	X	
13,14	County Number	X	
15,16	Participation Class Number	X	
17,45	Accounting Unit Description		X
76,76	"4"	X	
77,79	"RAL"		X
80,80	"1"	X	

SPECIAL INSTRUCTIONS: Columns 1-6 and 76-80 may be duplicated in each card punched for each code sheet.

KEYPUNCH INSTRUCTIONS

JOB NAME _____CONTRACTOR PAYMENTS_____

INPUT DOCUMENT Quantity Reallocation for Final _____ CHARGE CODE_____

CARD ____5081____ COLOR ___Blue___

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
7,10	Item Number	X	
	Rural Quantities		
11,21	Participating (3 decimals)	X	
22,32	Non-participating (3 decimals)	X	
33,43	Suspense (3 decimals)	X	
	Urban Quantities		
44,54	Participating (3 decimals)	X	
55,65	Non-participating (3 decimals)	X	
66,75	Suspense (3 decimals)	X	
76,76	"4"	X	
77,78	"RA"		X
79,80	Accounting Unit Number	X	

SPECIAL INSTRUCTIONS: Columns 1-6 and 76-78 may be duplicated in all cards punched for a contract.

KEYPUNCH INSTRUCTIONS

JOB NAME _____CONTRACTOR PAYMENTS_____

INPUT DOCUMENT ___Change/Extra Work Order Form 240___ **CHARGE CODE**_____

CARD ___5081___ COLOR ___Yellow___

CARD COLUMNS	F I E L D N A M E	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
7,10	Item Number	X	
11,14	Applies to Item Number	X	
49,51	Function Number	X	
52,62	Unit Price (5 decimals)	X	
63,73	Quantity (3 decimals)	X	
76,76	"1"	X	
77,79	"CHG"		X
80,80	"1"	X	

SPECIAL INSTRUCTIONS: Columns 1-6 and 76-80 may be duplicated in all cards punched for a contract number in the "A" section. Punch only one card for each item.

KEYPUNCH INSTRUCTIONS

JOB NAME ___CONTRACTOR PAYMENTS___

INPUT DOCUMENT ___Change/Extra Work Order Form 240___ **CHARGE CODE**___

CARD ___5081___ COLOR ___Yellow___

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
7,10	Item Number	X	
11,48	Description		X
76,76	"1"	X	
77,79	"CHG"		X
80,80	"2"	X	

SPECIAL INSTRUCTIONS: This card is punched for the second line of the description for section "A" of the Change/Extra Work Order Form.

KEYPUNCH INSTRUCTIONS

JOB NAME __CONTRACTOR PAYMENTS__

INPUT DOCUMENT __Change/Extra Work Order Form 240__ **CHARGE CODE** _____

CARD ____5081____ COLOR __Yellow__

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contractor Number	X	
6,6	Group Number	X	
7,10	Item Number	X	
11,31	Change Order Number		X
76,76	"1"	X	
77,79	"CHG"		X
80,80	"3"	X	

SPECIAL INSTRUCTIONS: Columns 1-6, 11-31, and 76-80 may be duplicated for each item in the "A" section. The change order number that was entered on the "Change/Work Order No." line should be punched in the change order number field. There should be one card punched for each item in the "A" section.

KEYPUNCH INSTRUCTIONS

JOB NAME ___CONTRACTOR PAYMENTS___

INPUT DOCUMENT ___Change/Extra Work Order Form 240___ **CHARGE CODE** _____

CARD ___5081___ COLOR ___Yellow___

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
7,10	Item Number	X	
11,48	Description		X
49,51	Function	X	
52,62	Unit Price (5 decimals)	X	
63,73	Quantity (3 decimals)	X	
76,76	"1"	X	
77,79	"NEW"		X
80,80	"1"	X	

SPECIAL INSTRUCTIONS: Columns 1-6 and 76-80 may be duplicated in each card punched for a contract. One card is punched for each item in the "B" section.

110

KEYPUNCH INSTRUCTIONS

JOB NAME ___CONTRACTOR PAYMENTS___

INPUT DOCUMENT ___Change/Extra Work Order Form 240___ CHARGE CODE _____

CARD ___5081___ COLOR ___Yellow___

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
7,10	Item Number	X	
11,48	Description		X
76,76	"1"	X	
77,79	"NEW"		X
80,80	"2"	X	

SPECIAL INSTRUCTIONS: Columns 1-6 and 76-80 may be duplicated in each card punched for each contract. The first line of description for each item in the "B" section is punched in this card.

KEYPUNCH INSTRUCTIONS

JOB NAME ___CONTRACTOR PAYMENTS_____

INPUT DOCUMENT _Form 240_ Change/Extra Work Order ___ CHARGE CODE_____

CARD ___5081_____ COLOR _Yellow_____

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
7,10	Item Number	X	
11,31	Work Order Number		X
76,76	"1"	X	
77,79	"NEW"		X
80,80	"3"	X	

SPECIAL INSTRUCTIONS: Columns 1-6, 11-31, and 76-80 may be duplicated in each card punched for a contract. The work order number entered on the Change/Work order number line is punched in this card. One card should be punched for each item in the "B" section.

KEYPUNCH INSTRUCTIONS

JOB NAME _____ CONTRACTOR PAYMENTS _____

INPUT DOCUMENT _ Item Change Sheet _ **CHARGE CODE** _____

CARD _____ 5081 _____ COLOR _____ White _____

CARD COLUMNS	F I E L D N A M E	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
7,10	Item Number	X	
11,11	"F"		X
12,13	Field Identification Number	X	
14,75	Change Data		X
76,76	"2"	X	
77,80	"FORC"		X

SPECIAL INSTRUCTIONS: Columns 76-80 may be duplicated in all cards punched.

KEYPUNCH INSTRUCTIONS

JOB NAME ___CONTRACTOR PAYMENTS_____

INPUT DOCUMENT Name and Address
Form 38_____ CHARGE CODE_____

CARD ___5081_____ COLOR ___White_____

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contractor Number	X	
6,6	New	X	
7,7	Change	X	
8,8	Delete	X	
9,32	Name		X
33,56	Address		X
79,80	Card Type	X	

SPECIAL INSTRUCTIONS: Columns 1-8 may be duplicated in all cards punched
for a change sheet.

KEYPUNCH INSTRUCTIONS

JOB NAME ___CONTRACTOR PAYMENTS_____

INPUT DOCUMENT _Master Record Status List_____ **CHARGE CODE**_____

CARD ___5081_____ COLOR __White_____

CARD COLUMNS	F I E L D N A M E	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
7,10	Item Number	X	

SPECIAL INSTRUCTIONS: These cards are not to be put in with the rest of the transaction cards. Give the cards directly to the machine operator.

KEYPUNCH INSTRUCTIONS

JOB NAME _____ CONTRACTOR PAYMENTS _____

INPUT DOCUMENT Warrant Cancellation **CHARGE CODE**_____

CARD _____ 5081 _____ COLOR ___ Red _____

CARD COLUMNS	FIELD NAME	NUMERIC	ALPHA-NUMERIC
1,5	Contract Number	X	
6,6	Group Number	X	
7,10	Item Number	X	
11,11	"F"		X
12,13	Field Identification Number	X	
14,24	Quantity	X	
25,30	Retention Percentage	X	
76,76	"1"	X	
77,80	"Canc"		X

SPECIAL INSTRUCTIONS: Columns 1-6, 25-30, and 76-80 may be duplicated for each card of the contract.

COMPUTER OPERATING INSTRUCTIONS

PROGRAM NO. |P₁4₁2₂₁0₁0₁0₁ | DATE _____   CHARGE |1₁8₁ 5₁1| STEP __1__ OF __1__

PROGRAM NAME **Update Phase I** _____   NAME ___**M. Allie**_____   ☐TEST ☒PRODUCTION

FREQUENCY OF RUN **Monthly** _____ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P₁L₁/₁1₁ ₁ ₁ ₁| RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O _99_ CPU _1_

DESCRIPTION OF JOB	DATA PREPARATION
Combine the new contracts from the letting with the current master file.	Prepare date card.

PRINTER   USED: ☒YES ☐NO   PUNCH   USED: ☐YES ☒NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
STW 1		Wide stock	Standard	Std.Wide			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
C₁P₁M₁C₁U₁R₁T₁ ₁ ₁	C₁P₁M₁A₁S₁T₁ ₁ ₁	T	SEQ	X	.	keep			
C₁P₁M₁N₁E₁W₁ ₁ ₁ ₁	C₁P₁M₁A₁S₁T₁ ₁ ₁	T	SEQ		X	keep			
N₁E₁W₁C₁T₁R₁1₁ ₁ ₁	N₁E₁W₁C₁N₁T₁R₁ ₁ ₁	T	SEQ	X		delete			
									PROGRAM COMPLETION MESSAGE

DDNAME   INPUT [X]   OUTPUT [ ]
CPMCURT
DSNAME
CPMAST
BLKSIZE
1300
LRECL
1300

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME					
Master Tape					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME   INPUT [X]   OUTPUT [ ]
NEWCTR1
DSNAME
NEWCNTR
BLKSIZE
1300
LRECL
1300

JOB NO.				OPER.	REEL NO.
Letting System					OF
JOB NAME					
C.P.S. Data					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					
Input to Contr. Payment System					

DDNAME   INPUT [ ]   OUTPUT [X]
CPMNEW
DSNAME
CPMAST
BLKSIZE
1300
LRECL
1300

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME					
Master Tape					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

MESSAGE	ACTION
Date card is not present - Place date in first 6 pos.	Place date on card and insert card in deck. Restart program.
Contractor payment master tape needs to be resorted. Fields 648-645 first. Field 6 next, then fields 5-1; after this rerun program.	Do as message says and then rerun program.
New contract tape needs to be resorted. Fields 648-645 first, field 6 next, then fields 5-1; after this rerun program.	Do as message says and then rerun program.
New CPM tape out of sequence - A program error.	Check error message for more information then call Programmer.
New contract tape has duplicate records on it. The first record will be processed, any following will be bypassed - Check error list for details.	No action needed.
Contractor payment master has duplicate records. The first record will be processed, any following will be bypassed - Check error list for details.	No action needed.

PROGRAM NO. |P|4|2|2|0|0|2| | DATE _____ CHARGE |1|8| |5|1| STEP __1__ OF __1__

PROGRAM NAME **Update Phase II** _____   NAME __J. Magnuson_____   ☐ TEST   ☒ PRODUCTION

FREQUENCY OF RUN **Weekly** _____ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O __99__ CPU __1__

DESCRIPTION OF JOB	DATA PREPARATION
Build a transaction tape from the transaction cards.	

PRINTER   USED: ☐ YES ☒ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	TAPE NO.	CARD TYPE	

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
O|U|T|T|A|P|E|			C|P|M|T|R|A|N|			D	SEQ		X	PASS			
									PROGRAM COMPLETION MESSAGE

DATA PROCESSING
COMPUTER SETUP SHEET
IBM 360 OPERATING SYSTEM (MVT)

PROGRAM NO. |P|4|2|2|0|0|4| | DATE _____ CHARGE |1|8| |5|1| STEP __1__ OF __1__

PROGRAM NAME __Update Phase III__   NAME __P. Mahon__   ☐ TEST ☒ PRODUCTION

FREQUENCY OF RUN __Weekly__ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O _____ CPU _____

DESCRIPTION OF JOB	DATA PREPARATION
Update the current master tape with the transaction data.	Prepare date card.

PRINTER   USED: ☒ YES   ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
STW1		Wide stock	Standard	Std.Wide			

DATA SETS

DONAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW
WORK1	WORKA	D	SEQ	X	X	REL		
CPMAST	CPMAST	T	SEQ	X		KEEP		
TRNFILE	CPMTRAN	D	SEQ	X		KEEP		
NEWMAST	CPMAST	D	SEQ		X	KEEP		

REMARKS: _____

PROGRAM COMPLETION MESSAGE

SYSTEM <u>Contractor Payment</u> TAPE LABELS PROGRAM NO. 4<u>22004</u>

DDNAME	INPUT [X]	OUTPUT [ ]
CPMAST		
DSNAME		
CPMAST		
BLKSIZE		
1300		
LRECL		
1300		

JOB NO.		OPER.	REEL NO.
Contractor Payment			OF
JOB NAME			
Master Tape			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			

COMMENTS

DDNAME	INPUT [ ]	OUTPUT [ ]
DSNAME		
BLKSIZE		
LRECL		

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME	INPUT [ ]	OUTPUT [ ]
DSNAME		
BLKSIZE		
LRECL		

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME	INPUT [ ]	OUTPUT [ ]
DSNAME		
BLKSIZE		
LRECL		

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME	INPUT [ ]	OUTPUT [ ]
DSNAME		
BLKSIZE		
LRECL		

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME	INPUT [ ]	OUTPUT [ ]
DSNAME		
BLKSIZE		
LRECL		

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

MESSAGE	ACTION
Date card missing.	Put date card with numeric mo, day, yr, in cols 1-6 ahead of 1* card for program and start job over.
Transaction File is not in sequence.	Transaction File must be resorted and job started over. If this error occurs in processing with run deck, check the sort control card. It should be sort fields=(1,5,CH,A,6,1,CH,A,7,4,CH, A,76,5,CH,A).
Contractor Pay Master not in sequence.	Cancel. Sort Master File. Report error to Fay.
Contractor Payment Phase 3 completed.	No action. End of program message.

PROGRAM NO. |P|4| 2 2 Ø Ø 6| | DATE _____ CHARGE |1 8 | 5 1| STEP __1__ OF __1__

PROGRAM NAME _____ STACOM _____   NAME ____ R. Glime _____ ☐ TEST ☒ PRODUCTION

FREQUENCY OF RUN Weekly _____ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P L /1 | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. _422_   USAGE PERCENTAGE I/O _____ CPU _____

DESCRIPTION OF JOB	DATA PREPARATION
Combine the contracts completed this week with the 2-year to date tape.	

PRINTER   USED: ☒ YES ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
STW1		Wide Stock	Std.	Std.Wide			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
Y E A R T P	C P S C P E	T	SEQ	X	·	KEEP			
M E R G E D	C P S C P E	T	SEQ		X	KEEP			
W E E K T P	W K L C P F	D	SEQ	X		DELETE			
									PROGRAM COMPLETION MESSAGE

DDNAME INPUT [X] OUTPUT [ ]

YEARTP
DSNAME
CPSCPF
BLKSIZE
1300
LRECL
1300

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Completed Year to date				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS				

DDNAME INPUT [ ] OUTPUT [X]

MERGED
DSNAME
CPSCPF
BLKSIZE
1300
LRECL
1300

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Completed Year to date				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

CONSOLE MESSAGES

MESSAGE	ACTION
The current date is needed - reply with 6 digits.	Reply with a six digit date - month, day, and year.
Normal end of 46240	None.

PROGRAM NO. | P 4 2 2 0 0 8 | DATE _____   CHARGE | 4 8 5 1 | STEP 1 OF 1

PROGRAM NAME ___ Update Phase IV ___   NAME ___ M. Allie ___   ☐ TEST   ☒ PRODUCTION

FREQUENCY OF RUN ___ Weekly ___ REGION _____ PRIORITY _____ SOURCE LANGUAGE | P L / 1 | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. 422   USAGE PERCENTAGE I/O 90 CPU 10

DESCRIPTION OF JOB	DATA PREPARATION
Produce final estimate reconciliation and expand data for accounting units.	

PRINTER   USED: ☒ YES   ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
		1-part ISHC	Standard	ISHC			
STW1		Wide stock	Standard	Std. wide			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
ICPMPH3	CPMAST	D	SEQ	X		DELETE			
OPMTRNS	CPMTRAN	D	SEQ	X		DELETE			
NEWCPM4	CPMAST	D	SEQ		X	PASS			
PRNTAPE	PRINT4	D	SEQ		X	PASS			
									PROGRAM COMPLETION MESSAGE

129

MESSAGE	ACTION
Date card missing, first card in does not have a 1 in pos. 80, it does not have a 9 either so will bypass all together.	None.
Date card not present, reply with a 20 pos date, month written out, day and year numeric.	Reply with a date as requested. The program will then proceed.

PROGRAM NO. |P|4|2|2|0|1|0| | DATE _____   CHARGE |1|8| |5|1| STEP __1__ OF __1__

PROGRAM NAME __Update Phase V_____   NAME __P. Mahon_____   ☐ TEST   ☒ PRODUCTION

FREQUENCY OF RUN __Weekly____ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O __80__ CPU __20__

DESCRIPTION OF JOB	DATA PREPARATION
Compute the payment due to the contractor and produce a voucher, completed, and new master tape, and a final estimate tape.	Prepare date card.

PRINTER   USED: ☒ YES ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
STW1		Wide Stock	Standard	Std.Wide			
		Progress Vouchers	First line is contract no.	309 Forms			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
O L D C P M	C P M A S T	D	SEQ	X		DELETE			
N E W C P M	C P M A S T	T	SEQ		X	KEEP			
C O M P C P M	C O M C P M	T	SEQ		X	KEEP			
V O U C H	C P S V O U	D	SEQ		X	PASS			
F I N E S T	C P S F I N	D	SEQ		X	PASS			
P R O I N V	C P S I N V	D	SEQ		X	PASS			
W O R K 1	C P S W K 1	D	SEQ	X	X	DELETE			
W O R K 2	C P S W K 2	D	SEQ	X	X	DELETE			
									PROGRAM COMPLETION MESSAGE

131

TAPE LABELS

DDNAME
NEWCPM

INPUT [ ]   OUTPUT [X]

DSNAME
CPMAST

BLKSIZE
1300

LRECL
1300

JOB NO.					OPER.	REEL NO.
Contractor Payment						OF
JOB NAME						
Master Tape						
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.		JOB DATE
		X				
COMMENTS						

DDNAME

INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.					OPER.	REEL NO.
						OF
JOB NAME						
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.		JOB DATE
COMMENTS						

DDNAME

INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.					OPER.	REEL NO.
						OF
JOB NAME						
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.		JOB DATE
COMMENTS						

DDNAME

INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.					OPER.	REEL NO.
						OF
JOB NAME						
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.		JOB DATE
COMMENTS						

DDNAME

INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.					OPER.	REEL NO.
						OF
JOB NAME						
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.		JOB DATE
COMMENTS						

DDNAME

INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.					OPER.	REEL NO.
						OF
JOB NAME						
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.		JOB DATE
COMMENTS						

MESSAGE	ACTION
PH5 Date cd missing Type in numeric month, day, year.	As shown.
Contractor Pay Master not in sequence.	Contractor Pay Master will have to be sorted by item within group within contract. (sort fields=(1,5,CH,A,6,1,CH,A,1148, 4,CH,A)
Contractor Payment Phase 5 completed.	No action. Indicates end of program.

PROGRAM NO. **P** 4 2 2 0 4 2   DATE _____ CHARGE 1 8 5 1 STEP 1 OF 1

PROGRAM NAME Final Estimate List   NAME J. Magnuson   ☐ TEST ☒ PRODUCTION

FREQUENCY OF RUN Weekly _____ REGION _____ PRIORITY _____ SOURCE LANGUAGE PL/1 RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. 422   USAGE PERCENTAGE I/O 99 CPU 1

DESCRIPTION OF JOB	DATA PREPARATION
Produce the final estimate report.	

PRINTER   USED: ☒ YES ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
		12 copies on					
		ISHC Forms	Standard	ISHC			

DATA SETS

DONAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
F I N A L E S	C P S F I N	T	SEQ	X		KEEP			
F I N P R N T	F I N P R T	D	SEQ		X	PASS			
									PROGRAM COMPLETION MESSAGE

TAPE LABELS

DDNAME   INPUT [X]   OUTPUT [ ]

  FINALES
DSNAME

  CPSFIN
BLKSIZE

  4750
LRECL

  475

JOB NO.			OPER.	REEL NO.
Contractor Payments				OF
JOB NAME				
Final Estimate Tape				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

CONSOLE MESSAGES

MESSAGE	ACTION
No date card. Operator type in 6-digit current date.	Enter date on console keyboard.
CONTRPA - Normal Completion.	N/A.

DATA PROCESSING
COMPUTER SETUP SHEET
IBM 360 OPERATING SYSTEM (MVT)

PROGRAM NO. |P|4|2|2|Ø|1|4| | DATE _____ CHARGE |1|8| |5|1| STEP _1_ OF _1_

PROGRAM NAME _Voucher Program Phase VI_ NAME _J. Mason_ ☐TEST ☒PRODUCTION

FREQUENCY OF RUN _Weekly_ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. _422_ USAGE PERCENTAGE I/O _98_ CPU _2_

DESCRIPTION OF JOB	DATA PREPARATION
Print the primary and farm to market payment vouchers and produce an STR tape for the Accounting System.	Prepare date card.

PRINTER   USED: ☒YES ☐NO   PUNCH   USED: ☐YES ☒NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
		Payment Vouchers-Voucher number is first line		CPS Vouchers			
STW 1		Wide Stock	Standard	Std.Wide			

DATA SETS

DONAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
V T A P E	C P S V O U	T	SEQ	X	.	KEEP			
S T D R E C	I S H C D T A L	T	SEQ		X	KEEP			
N A M E S	N A M E F I L E	D	IS	X		KEEP			
E R R O R S	Q P V E R R	D	SEQ		X	PASS			
D I S K 1	V O U C H 1	D	SEQ	X	X	DELETE			
D I S K 2	V O U C H 2	D	SEQ	X	X	DELETE			
D I S K 3	V O U C H 3	D	SEQ	X	X	DELETE			
D I S K 4	V Q U C H 3	D	SEQ	X	X	DELETE			
									PROGRAM COMPLETION MESSAGE

DDNAME   INPUT [X]   OUTPUT [ ]

VTAPE
DSNAME
CPSVOU
BLKSIZE
3500
LRECL
350

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME					
Voucher Tape					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [X]

STDREC
DSNAME
ISHCDTAL
BLKSIZE
1000
LRECL
250

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME					
STR					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

CONSOLE MESSAGES

MESSAGE	ACTION
'Date card missing - type in six-digit current date'.	Reply with current date.
'Type in six-digit abstract date'.	Reply with abstract date.
'Warning -- no warrant cards in reader'.	No action if no warrant cards are to be processed. If warrant cards are to be processed, cancel program and re-run after inserting cards.
'Blank cost cent - STR written - Amts not in recap.'	Notify Analyst. Program may have to be run again, since STR records and recap are not correct.
'Recap table overflow' Cost Center	Notify Analyst. The cost center printed caused a table overflow and the recap is not correct. Program will need to be revised.
'P46121JM completed'.	Normal end, no action required.

PROGRAM NO. |P|4|2|2|0| 1|6| | DATE _____ CHARGE |1|8| ‾|5|1| STEP __1__ OF 1

PROGRAM NAME ___Name & Address Update_____   NAME __M. Allie_____   ☐ TEST   ☒ PRODUCTION

FREQUENCY OF RUN **on request**___ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. **422**___   USAGE PERCENTAGE I/O **99**___ CPU **1**___

DESCRIPTION OF JOB	DATA PREPARATION
Update the name and address tape and create a new file on disk.	Sort the change cards on contractor number.

PRINTER   USED: ☒ YES ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
STW1		Wide stock	Standard	Std.Wide			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW
D|IS|K|F|L|E|		N|A|M|E|F|I|L|E|		D	IS		·X	KEEP		
I|N|T|P|E|				N|A|M|E|B|A|C|K|		T	SEQ	X		KEEP		
T|A|P|E|F|L|E|		N|A|M|E|B|A|C|K|		T	SEQ		X	KEEP		

REMARKS:_____

PROGRAM COMPLETION MESSAGE

140

DDNAME INPUT [X] OUTPUT [ ]
  INTPE
DSNAME
  NAMEBACK
BLKSIZE
  5000
LRECL
  500

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME					
Name & Address tape					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME INPUT [ ] OUTPUT [X]
  TAPEFLE
DSNAME
  NAMEBACK
BLKSIZE
  5000
LRECL
  500

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME					
Name & Address tape					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

CONSOLE MESSAGES

MESSAGE	ACTION
Sort was unsuccessful	Check input
Coult not find keyed record P46170MA	Check Input
Attempted to add a out of sequence keyed rec P4617ØMA.	Check Input
There was a key conversion error P46170MA.	None
There was a key specification error P4617ØMA.	None
Keyed relative record/track outside data set limit P4617ØMA.	Check input.
Space not available to add keyed record.	Check input and disk file.
This is the end of NAWUP.	None

    *P4617ØMA

PROGRAM NO. |P| 4| 2| 2| 0| 1| 8| | DATE _____ CHARGE |1|8|¯|5|1| STEP __1__ OF __1__

PROGRAM NAME _Name & Address Rebuild_____   NAME __J. Magnuson_____   ☐ TEST ☒ PRODUCTION

FREQUENCY OF RUN _on Request__ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. _422__   USAGE PERCENTAGE I/O _99__ CPU _1___

DESCRIPTION OF JOB	DATA PREPARATION
Rebuild the name and address disk file from the	
backup tape.	

PRINTER   USED: ☐ YES ☒ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	

DATA SETS

DONAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
B A C K U P	N A M E B A C K	T	Seq	X	.	KEEP			
D I S K F L	N A M E F I L E	D	IS		X	KEEP			
									PROGRAM COMPLETION MESSAGE

143

DDNAME	INPUT [X]	OUTPUT [ ]
BACKUP		

DSNAME
NAMEBACK

BLKSIZE
5000

LRECL
500

JOB NO.		OPER.	REEL NO.
Contractor Payments			OF

JOB NAME			
Name & Address Tape			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			

COMMENTS

DDNAME	INPUT [ ]	OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF

JOB NAME

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME	INPUT [ ]	OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF

JOB NAME

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME	INPUT [ ]	OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF

JOB NAME

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME	INPUT [ ]	OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF

JOB NAME

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME	INPUT [ ]	OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF

JOB NAME

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

MESSAGE	ACTION
Narp - Normal Completion	N/A

PROGRAM NO. | P 4 2 2 0 2 0 | DATE _____ CHARGE | 1 8 - 5 1 | STEP 1 OF 1

PROGRAM NAME __Create Project Status__   NAME __J. Magnuson__   ☐ TEST ☒ PRODUCTION

FREQUENCY OF RUN __Monthly__ ____ REGION _____ PRIORITY _____ SOURCE LANGUAGE | P L / 1 | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O __99__ CPU __1__

DESCRIPTION OF JOB	DATA PREPARATION
Create a project status tape from the current	
master tape.	

PRINTER   USED: ☐ YES ☒ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
C P M F I L E	C P M A S T	T	SEQ	X		KEEP			
S T A T F L E	S T A T U S	T	SEQ		X	KEEP			
									PROGRAM COMPLETION MESSAGE

146

DDNAME INPUT [X] OUTPUT [ ]
  CPMFILE
DSNAME
  CPMAST
BLKSIZE
  1300
LRECL
  1300

JOB NO.		OPER.	REEL NO.
Contractor Payment			OF
JOB NAME			
Master Tape			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			

COMMENTS

DDNAME INPUT [ ] OUTPUT [X]
  STATFLE
DSNAME
  STATUS
BLKSIZE
  1600
LRECL
  400

JOB NO.		OPER.	REEL NO.
Contractor Payment			OF
JOB NAME			
Project Status Tape			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			

COMMENTS

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

CONSOLE MESSAGES

MESSAGE	ACTION
Status - Normal Completion	N/A

PROGRAM NO. |P|4|2|2|0|2|2| | DATE _____ CHARGE |1|8| 5|1| STEP 1   OF 1

PROGRAM NAME Monthly Progress Report   NAME   J. Brendeland   ☐ TEST   ☒ PRODUCTION

FREQUENCY OF RUN Monthly   REGION _____ PRIORITY _____ SOURCE LANGUAGE |C|O|B|O|L| | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. 422   USAGE PERCENTAGE I/O 99   CPU 1

DESCRIPTION OF JOB	DATA PREPARATION
Produce the monthly progress report in road system sequence.	Prepare date card. Sort the project status tape.

PRINTER   USED: ☒ YES   ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
		Wide Masters	2 inches down from the top	Wide Masters			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW
S|O|R|T|I|N|				S|T|A|T|U|S|				T	SEQ	X	·	KEEP		
S|O|R|T|O|U|T|			S|T|A|T|U|S|				D	SEQ		X	DELETE		

REMARKS: _____

_____

_____

_____

_____

_____

_____

PROGRAM COMPLETION MESSAGE

DDNAME SORTIN	INPUT [X]	OUTPUT [ ]
DSNAME STATUS		
BLKSIZE 1600		
LRECL 400		

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME Project Status					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME	INPUT [ ]	OUTPUT [ ]
DSNAME		
BLKSIZE		
LRECL		

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME	INPUT [ ]	OUTPUT [ ]
DSNAME		
BLKSIZE		
LRECL		

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME	INPUT [ ]	OUTPUT [ ]
DSNAME		
BLKSIZE		
LRECL		

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME	INPUT [ ]	OUTPUT [ ]
DSNAME		
BLKSIZE		
LRECL		

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME	INPUT [ ]	OUTPUT [ ]
DSNAME		
BLKSIZE		
LRECL		

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

CONSOLE MESSAGES

MESSAGE	ACTION
No date card. Operator type in 6-digit current date.	Enter information requested on the console keyboard.
PROGRES - Normal completion.	N/A

DATA PROCESSING
COMPUTER SETUP SHEET
IBM 360 OPERATING SYSTEM (MVT)

PROGRAM NO. |P₁4₁2₁2₁∅₁2₁4₁ | DATE _____ CHARGE |1₁8₁⁻₁5₁1| STEP __1__ OF 1____

PROGRAM NAME _Construction Progress Report__   NAME __J. Magnuson_____   ☐TEST   ☒PRODUCTION

FREQUENCY OF RUN __Monthly__ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P₁ ₁/₁1₁ ₁ ₁ ₁| RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. _422__   USAGE PERCENTAGE I/O _99__ CPU _1__

DESCRIPTION OF JOB	DATA PREPARATION
Produce a monthly report by residence showing the status of work under contract.	Sort the project status tape. Prepare a date card.

PRINTER   USED: ☒YES ☐NO   PUNCH   USED: ☐YES ☒NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	TAPE NO.	CARD TYPE	
		4-Part ISHC	Standard	ISHC			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW
S₁T₁A₁T₁F₁I₁L	S₁T₁A₁T₁U₁S	T	SEQ	X	.	KEEP		

REMARKS:_____

PROGRAM COMPLETION MESSAGE

152

DDNAME   INPUT [X]   OUTPUT [ ]

JOB NO.		OPER.	REEL NO.
Contractor Payment			OF

STATFIL

JOB NAME					
Project Status					

DSNAME
STATUS

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			

BLKSIZE
1600

COMMENTS

LRECL
400

DDNAME   INPUT [ ]   OUTPUT [ ]

JOB NO.		OPER.	REEL NO.
			OF

DSNAME

JOB NAME					

BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

LRECL

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]

JOB NO.		OPER.	REEL NO.
			OF

DSNAME

JOB NAME					

BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

LRECL

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]

JOB NO.		OPER.	REEL NO.
			OF

DSNAME

JOB NAME					

BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

LRECL

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]

JOB NO.		OPER.	REEL NO.
			OF

DSNAME

JOB NAME					

BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

LRECL

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]

JOB NO.		OPER.	REEL NO.
			OF

DSNAME

JOB NAME					

BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

LRECL

COMMENTS

CONSOLE MESSAGES

MESSAGE	ACTION
Residency cards either missing or have no (R) in Col 80. Correct & Re-execute program.	Check table cards.
Date card missing or out of place. Correct & re-execute program.	Check date card.
Program completed P01016JB	None

PROGRAM NO. |P|4|2|2|Ø|2|6| | DATE _____   CHARGE |1|8| |5|1| STEP 1 OF 1

PROGRAM NAME __Contractor Status Report__   NAME __M. Allie__   ☐ TEST   ☒ PRODUCTION

FREQUENCY OF RUN __Monthly__ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O __99__ CPU __1__

DESCRIPTION OF JOB	DATA PREPARATION
Produce a report showing the status of each contractor.	

PRINTER   USED: ☒ YES   ☐ NO

PUNCH   USED: ☐ YES   ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
		8 copies on					
		ISHC forms	Standard	ISHC			

DATA SETS

DDNAME	DSNAME	T/O/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
C T R S T F 1	S T A T U S	T	SEQ	X	.	KEEP			
									PROGRAM COMPLETION MESSAGE

DDNAME   INPUT [X]   OUTPUT [ ]
  CTRSTF1
DSNAME
  STATUS
BLKSIZE
  1600
LRECL
  400

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Project Status Tape				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

CONSOLE MESSAGES

MESSAGE	ACTION
End of P46150MA	N/A

DATA PROCESSING
COMPUTER SETUP SHEET
IBM 360 OPERATING SYSTEM (MVT)

PROGRAM NO. |P|4|2|2|0|2|8| | DATE _____   CHARGE |1|8| |5|1| STEP 1 OF 1

PROGRAM NAME __Monthly Report Data Prep.__   NAME ____D. Hutchinson____   ☐ TEST ☒ PRODUCTION

FREQUENCY OF RUN ____Monthly____ REGION _____ PRIORITY _____ SOURCE LANGUAGE |C|O|B|O|L| | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O __95__ CPU __5__

DESCRIPTION OF JOB	DATA PREPARATION
Produce a monthly report tape.	

PRINTER   USED: ☐ YES ☒ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	

DATA SETS

DONAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW
S|T|A|T|E|N|D|			S|T|A|T|U|S|				T	SEQ	X	.	KEEP		
S|T|A|B|E|G|I|N|	S|T|A|T|U|S|				T	SEQ	X		KEEP		
M|O|N|P|R|O|J|		C|O|M|C|P|M|				T	SEQ	X		KEEP		
Y|E|A|R|P|R|O|J|	C|O|M|C|P|M|				T	SEQ	X		KEEP		
R|E|P|O|R|T|			M|O|N|T|H|R|P|T|		T	SEQ		X	KEEP		

REMARKS:_____

STATEND=CURRENT MO. STATUS

STABEGIN=PREVIOUS MO. STATUS

MONPROJ=PROJECTS COMPLETED THIS MO.

YEARPROJ=FISCAL YEAR TO DATE

COMPLETED PROJECTS.

PROGRAM COMPLETION MESSAGE

DDNAME
    STATEND
    INPUT [X]   OUTPUT [ ]

DSNAME
    STATUS
BLKSIZE
    1600
LRECL
    400

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Project Status				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS				

DDNAME
    STABEGIN
    INPUT [X]   OUTPUT [ ]

DSNAME
    STATUS
BLKSIZE
    1600
LRECL
    400

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Project Status				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X	X		
COMMENTS				

DDNAME
    MONPROJ
    INPUT [X]   OUTPUT [ ]

DSNAME
    COMCPM
BLKSIZE
    1300
LRECL
    1300

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Completed this month				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X	'		
COMMENTS				

DDNAME
    YEAR PROJ
    INPUT [X]   OUTPUT [ ]

DSNAME
    COMCPM
BLKSIZE
    1300
LRECL
    1300

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Completed Year to date				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS				

DDNAME
    REPORT
    INPUT [ ]   OUTPUT [X]

DSNAME
    MONTHRPT
BLKSIZE
    2500
LRECL
    500

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Monthly Report Tape				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS				

DDNAME
    INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

CONSOLE MESSAGES

MESSAGE	ACTION
1. Program P46190 is beginning	None
2. Contract Number ' ' Group Number ' ' Item Number ' ' There is a size error for computing the amount under contract for the above.	None
3. ' ' Monthrpt Records End of P46190	None

DATA PROCESSING
COMPUTER SETUP SHEET
IBM 360 OPERATING SYSTEM (MVT)

PROGRAM NO. |P|4|2|2|0|3|0| | DATE _____   CHARGE |1|8|¯5|1| STEP 1 OF 1

PROGRAM NAME ____ Work Class Monthly Report ___ NAME __ C. Pearson _____ ☐ TEST ☒ PRODUCTION

FREQUENCY OF RUN __Monthly___ REGION _____ PRIORITY _____ SOURCE LANGUAGE |C|Q|B|O|L| | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O __99__ CPU __1__

DESCRIPTION OF JOB	DATA PREPARATION
Produce a report by residency and one for the	Sort the monthly report tape. Prepare the
entire state showing the work completed for each	date card.
type of work.	

PRINTER   USED: ☒ YES ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
STW1		Wide stock	Standard	Std.Wide			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
C|O|D|T|A|L|			C|O|S|T|C|E|N|T|		D	IS	X		KEEP			
M|R|P|T|D|T|L|		M|O|N|T|H|R|P|T|		T	SEQ	X		KEEP			
								PROGRAM COMPLETION MESSAGE

161

DDNAME INPUT [X] OUTPUT [ ]
 MRPTDTL
DSNAME
 MONTHRPT
BLKSIZE
 2500
LRECL
 500

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Monthly Report Tape				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

CONSOLE MESSAGES

MESSAGE	ACTION
'CTL-CD MISSING'	Control card not present or something other than a hyphen is in Column 80. Correct & rerun.
'EMPTY CTL-FIELD'	Type Run (Res. or State) not specified on CTL card (Columns 23-27). Correct and rerun.
'JOB AT END'	Normal end of job - Take no action.

DATA PROCESSING
COMPUTER SETUP SHEET
IBM 360 OPERATING SYSTEM (MVT)

PROGRAM NO. |P|4|2|2|0|3|2| | DATE _____ CHARGE |1|8|‾|5|1| STEP 1 OF 1

PROGRAM NAME __Item Monthly Report_____   NAME ____M. Allie_____   ☐ TEST ☒ PRODUCTION

FREQUENCY OF RUN __Monthly_____ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O __99_ CPU _1_

DESCRIPTION OF JOB	DATA PREPARATION
Produce a report by residency and one for the entire state showing the work completed for selected items.	Sort the monthly report tape. Prepare date card.

PRINTER   USED: ☒ YES ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
STW1		Wide stock	Standard	Std.Wide			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
S O R T I N	M O N T H R P T	T	SEQ	X	.	KEEP		.	
									PROGRAM COMPLETION MESSAGE

DDNAME   INPUT [X]   OUTPUT [ ]
SORTIN
DSNAME
MONTHRPT
BLKSIZE
2500
LRECL
500

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Monthly Report Tape				

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]
DSNAME
BLKSIZE
LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]
DSNAME
BLKSIZE
LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]
DSNAME
BLKSIZE
LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]
DSNAME
BLKSIZE
LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]
DSNAME
BLKSIZE
LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

CONSOLE MESSAGES

MESSAGE	ACTION
No residency deck. Program terminated.	Place residency deck behind run deck.
Control card not present in P46200MA. This will stop processing.	
Table is not large enough for cards. This will stop program.	Check item select card deck if legitimately greater than 300 in number, call Programming.
This is the end of MORPITM *P46200MA*	None

PROGRAM NO. |P|4|2|2|0|3|4| DATE _____ CHARGE |1|8| |5|1| STEP __1__ OF __1__

PROGRAM NAME ___Status List_____ NAME ___J. Mason_____ ☐TEST ☒PRODUCTION

FREQUENCY OF RUN ___On request___ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. _422___ USAGE PERCENTAGE I/O _99__ CPU _1___

DESCRIPTION OF JOB	DATA PREPARATION
Produce a status list of selected contracts from the master tape.	Prepare date card and control cards.

PRINTER   USED: ☒YES ☐NO   PUNCH   USED: ☐YES ☒NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	TAPE NO.	CARD TYPE	
STW1		Wide stock	Standard	Std.Wide			

DATA SETS

DDNAME	DSNAME	T/O/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
TAPEIN	CPMAST	T	SEQ	X		KEEP			
									PROGRAM COMPLETION MESSAGE

167

DDNAME INPUT [X] OUTPUT [ ]
TAPEIN
DSNAME
CPMAST
BLKSIZE
1300
LRECL
1300

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME					
Master Tape					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]
DSNAME
BLKSIZE
LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]
DSNAME
BLKSIZE
LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]
DSNAME
BLKSIZE
LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]
DSNAME
BLKSIZE
LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]
DSNAME
BLKSIZE
LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

PROGRAM NO. |P|4|2|2|0|36| | DATE _____ CHARGE |1|8|¯|5|1| STEP __1__ OF __1__

PROGRAM NAME _____ Fiscal Report Program _____   NAME _J. Coleman_____   ☐ TEST   ☒ PRODUCTION

FREQUENCY OF RUN __Yearly____ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|4/|1| | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. _422__   USAGE PERCENTAGE I/O _99__ CPU __1__

DESCRIPTION OF JOB	DATA PREPARATION
Produce a fiscal year report showing the number of miles completed for selected types of work.	Sort the monthly report tape. Prepare the date card.

PRINTER   USED: ☒ YES   ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
		Plain white paper	Standard	Std.Wide			

DATA SETS

DONAME	DSNAME	T/O/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
T,A,P,E, , , , , , ,	M,O,N,T,H,R,P,T, , ,	T	SEQ	X	.	KEEP			
, , , , , , , , , ,	, , , , , , , , ,								
, , , , , , , , , ,	, , , , , , , , ,								
, , , , , , , , , ,	, , , , , , , , ,								
, , , , , , , , , ,	, , , , , , , , ,								
, , , , , , , , , ,	, , , , , , , , ,								
, , , , , , , , , ,	, , , , , , , , ,								
, , , , , , , , , ,	, , , , , , , , ,								
, , , , , , , , , ,	, , , , , , , , ,							PROGRAM COMPLETION MESSAGE
, , , , , , , , , ,	, , , , , , , , ,								

DDNAME   INPUT [X]   OUTPUT [ ]

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF

TAPE
DSNAME

JOB NAME				
Monthly Report Tape				

MONTHRPT
BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			

2500
LRECL

COMMENTS

500

DDNAME   INPUT [ ]   OUTPUT [ ]

JOB NO.			OPER.	REEL NO.
				OF

DSNAME

JOB NAME

BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

LRECL

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]

JOB NO.			OPER.	REEL NO.
				OF

DSNAME

JOB NAME

BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

LRECL

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]

JOB NO.			OPER.	REEL NO.
				OF

DSNAME

JOB NAME

BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

LRECL

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]

JOB NO.			OPER.	REEL NO.
				OF

DSNAME

JOB NAME

BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

LRECL

COMMENTS

DDNAME   INPUT [ ]   OUTPUT [ ]

JOB NO.			OPER.	REEL NO.
				OF

DSNAME

JOB NAME

BLKSIZE

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

LRECL

COMMENTS

CONSOLE MESSAGES

MESSAGE	ACTION
Running aborted - See listing	Error list will contain reason for termination.

DATA PROCESSING
COMPUTER SETUP SHEET
IBM 360 OPERATING SYSTEM (MVT)

PROGRAM NO. |P|4|2|2|0|3|8| | DATE _____ CHARGE |1|8|⁻|5|1| STEP __1__ OF __1__

PROGRAM NAME __Cross Reference_____   NAME __K. Shafer_____ ☐ TEST ☒ PRODUCTION

FREQUENCY OF RUN __Monthly____ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O __99__ CPU __1__

DESCRIPTION OF JOB	DATA PREPARATION
Print a cross reference listing from the master tape.	

PRINTER   USED: ☒ YES ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	TAPE NO.	CARD TYPE	
STW1		Wide stock	Standard	Std.Wide			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
M A S T	C P M A S T	T	SEQ	X	.	KEEP			
									PROGRAM COMPLETION MESSAGE

DDNAME INPUT [X] OUTPUT [ ]

MAST
DSNAME
CPMAST
BLKSIZE
1300
LRECL
1300

JOB NO.		OPER.	REEL NO.
Contractor Payment			OF
JOB NAME			
Master Tape			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			

COMMENTS

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.		OPER.	REEL NO.
			OF
JOB NAME			

DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE

COMMENTS

MESSAGE	ACTION
End of CPS Ref. List	N/A

PAGE _____ OF _____

PROGRAM NO. |P|4|2|2|0|4|0| | DATE _____ CHARGE |1|8| |5|1| STEP __1__ OF 1

PROGRAM NAME __Work Under Contract__   NAME _____K. Nelson_____   ☐TEST ☒PRODUCTION

FREQUENCY OF RUN __Yearly__ REGION _____ PRIORITY _____ SOURCE LANGUAGE |P|L|/|1| | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. __422__   USAGE PERCENTAGE I/O __99__ CPU __1__

DESCRIPTION OF JOB	DATA PREPARATION
Produce a report showing the number of miles under contract at the end of the fiscal year for selected types of work.	Sort the monthly report tape. Prepare date card.

PRINTER   USED: ☒YES ☐NO   PUNCH   USED: ☐YES ☒NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
STW1		Wide Stock	Standard	Std.Wide			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
S,O,R,T,I,N, , , ,	M,O,N,T,H,R,P,T, ,	T	SEQ	X		KEEP			
S,O,R,T,O,U,T, , ,	M,O,N,T,H,R,P,T, ,	T	SEQ		X	PASS			
T,A,P,E,I,N, , , ,	M,O,N,T,H,R,P,T, ,	T	SEQ	X		DELETE			
									PROGRAM COMPLETION MESSAGE

175

DDNAME   INPUT [X]   OUTPUT [ ]

SORTIN

DSNAME

MONTHRPT

BLKSIZE

2500

LRECL

500

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Monthly Report Tape				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS				

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME   INPUT [ ]   OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

MESSAGE	ACTION
** P422040 Completed	N/A

PROGRAM NO. T P E S L E C T   DATE _____ 9-12-69 _____   CHARGE |1 8 - 5 1| STEP _____ OF _____

PROGRAM NAME UTILITY TAPE SELECT   NAME K. L. Shafer   ☐ TEST   ☒ PRODUCTION

FREQUENCY OF RUN ON REQUEST   REGION 96K   PRIORITY 10   SOURCE LANGUAGE |B A L | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. 422   USAGE PERCENTAGE I/O 99 CPU 1

DESCRIPTION OF JOB	DATA PREPARATION
SELECT CONTRACTS FROM THE 2-YEAR TODATE TAPE.	CONTRACT NUMBER IS PUNCHED IN CONTROL CARD #3.
OUTPUT WILL BE A TAPE CONTAINING SELECTED	EACH CONTRACT NUMBER MUST BE FIVE DIGITS.
CONTRACTS AND A TAPE CONTAINING ALL OTHER	
CONTRACTS.	

PRINTER   USED: ☒ YES   ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
		STANDARD	STANDARD	STANDARD			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW	REMARKS:
I N T A P E	C P S C P F	T	SEQ	X		KEEP	360		ONETAPE = SELECTED DATA
O N E T A P E	C P M A S T	T	SEQ		X	KEEP	SCRATCH		TWOTAPE = THE REST OF THE DATA.
T W O T A P E	C P S C P F	T	SEQ		X	KEEP	360 SCRATCH		TWOTAPE WILL BE THE NEW CURRENT
									2-YEAR TODATE TAPE. ONETAPE
									WILL BE COMBINED WITH THE CURRENT
									CPS MASTER FILE.

PROGRAM COMPLETION MESSAGE

178

DDNAME INTAPE INPUT [X] OUTPUT [ ]

DSNAME CPSCPF

BLKSIZE 1300

LRECL 1300

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Completed 2-Year Todate				
DATE WRITTEN	DRIVE	CURR. X	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME ONETAPE INPUT [ ] OUTPUT [X]

DSNAME CPMAST

BLKSIZE 1300

LRECL 1300

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
CPS Master				
DATE WRITTEN	DRIVE	CURR. X	HIST.	REL.	JOB DATE
COMMENTS				
<u>Selected from 2-year todate</u>				

DDNAME TWOTAPE INPUT [ ] OUTPUT [X]

DSNAME CPSCPF

BLKSIZE 1300

LRECL 1300

JOB NO.			OPER.	REEL NO.
Contractor Payment				OF
JOB NAME				
Completed 2-year todate				
DATE WRITTEN	DRIVE	CURR. X	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.			OPER.	REEL NO.
				OF
JOB NAME				
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS				

PROGRAM NO. |T|P|E|S|L|E|C|T| DATE _____ CHARGE |1|8| |5|1| STEP _____ OF _____

PROGRAM NAME UTILITY TAPE SELECT _____   NAME K. L. Shafer _____   ☐ TEST   ☒ PRODUCTION

FREQUENCY OF RUN ON REQUEST ___ REGION ___ 96K ___ PRIORITY __ 10 ___ SOURCE LANGUAGE |B|A|L| | | | | | | RUN TIME _____

JCL AND/OR PROGRAM IN DRAWER NO. _422_   USAGE PERCENTAGE I/O _99_ CPU __1__

DESCRIPTION OF JOB	DATA PREPARATION
SELECT CONTRACTS FROM THE COMPLETED CONTRACTS	CONTRACT NUMBER IS PUNCHED IN CONTROL CARD #3.
TAPE. OUTPUT WILL BE A TAPE CONTAINING SELECTED	EACH CONTRACT NUMBER MUST BE FIVE DIGITS.
CONTRACTS AND A TAPE CONTAINING ALL OTHER CON-	
TRACTS.	

PRINTER   USED: ☒ YES   ☐ NO   PUNCH   USED: ☐ YES ☒ NO

FORM CODE	CLASS	FORM NAME	ALIGNMENT	CARRIAGE TAPE NAME	NO.	CARD TYPE	
		STANDARD	STANDARD	STANDARD			

DATA SETS

DDNAME	DSNAME	T/D/C	ACCESS	IN	OUT	TAPE DISP	VOLUME NUMBER	WORK FLOW
I N T A P E	C O M C P M	T	SEQ	X		KEEP		
O N E T A P E	C O M C P M	T	SEQ		X	REL	360 SCRATCH	
T W O T A P E	C O M C P M	T	SEQ		X	KEEP	360 SCRATCH	

REMARKS:

ONETAPE = SELECTED DATA

TWOTAPE = THE REST OF THE DATA

TWOTAPE WILL BE THE NEW COMPLETED

TAPE.

PROGRAM COMPLETION MESSAGE

DDNAME INPUT [X] OUTPUT [ ]

INTAPE

DSNAME

COMCPM

BLKSIZE

1300

LRECL

1300

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME					
Completed Fiscal Year					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					

DDNAME INPUT [ ] OUTPUT [X]

ONETAPE

DSNAME

COMCPM

BLKSIZE

1300

LRECL

1300

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME					
Completed Contracts					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					
Deleted from Completed tape					

DDNAME INPUT [ ] OUTPUT [X]

TWOTAPE

DSNAME

COMCPM

BLKSIZE

1300

LRECL

1300

JOB NO.				OPER.	REEL NO.
Contractor Payment					OF
JOB NAME					
Completed Fiscal Year					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
		X			
COMMENTS					
Output from TPESLECT					

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

DDNAME INPUT [ ] OUTPUT [ ]

DSNAME

BLKSIZE

LRECL

JOB NO.				OPER.	REEL NO.
					OF
JOB NAME					
DATE WRITTEN	DRIVE	CURR.	HIST.	REL.	JOB DATE
COMMENTS					

FILE FORMATS

Contractor Payment System
Transaction File
LRECL=85
BLKSIZE=1700
DSNAME=CPMTRAN

Field Code	Field Name	Field Length
T1	Contract Number	5
T2	Group Number	1
T3	Item Number	4
T4	Data	65
T5	Card Type	5
T6	Sequence Number	5
	Record Length	85

Contractor Payments
Master Record
LRECL=1300
BLKSIZE=1300
DSNAME=CPMAST

Field Code	Field Name	Field Length	Decimals
F1	CONTRACT NUMBER	5	
F9	GROUP NUMBER	1	
F4	PROJECT CONTROL NUMBER	11	
F5	PROJECT NUMBER (EXPANDED)	30	
	UNUSED	23	
F7	PROCESSING INVOICE NUMBER	4	
F16	EXTRA DAYS	3	
F10	RCE OFFICE COST CENTER	6	
F11	RCE NAME	20	
F12	RCE ADDRESS	20	
F13	BEGINNING DATE	6	
F14	ENDING DATE	6	
F15	DATE OF LAST INVOICE	6	
F6	ASSIGNEE CODE	1	
	UNUSED	1	
F17	LAST INVOICE NUMBER	4	
F18	FLAG FOR FINAL INVOICE	1	
F19	FLAG FOR COMPLETED CONTRACT	1	
F20	FLAG FOR CANCELED CONTRACT	1	
F21	NUMBER OF DIVISIONS	2	
F22	NUMBER OF MILES	5	3
F23	NUMBER OF BRIDGES	2	
F24	NUMBER OF CULVERTS	2	
F35	TOTAL CONTRACT AMOUNT	10	2
F45	WORK CLASS CODE	2	
F46	WORK CLASS DESCRIPTION	60	
F50	CONTRACTOR NUMBER	5	
F51	CONTRACTOR NAME	20	
F52	CONTRACTOR ADDRESS 1	20	
F53	CONTRACTOR ADDRESS 2	20	
F54	CONTRACTOR ADDRESS 3	20	
F55	CLAIMANT NAME & ADDRESS	74	
F56	DESIGN NUMBER	9	
F57	LAST VOUCHER NUMBER	3	
F58	TOTAL ACCUMULATED RETENTION FOR CONTRACT	11	2
F60	MAXIMUM RETENTION FOR CONTRACT	11	2
F96	NORMAL TETENTION	6	3
F59	SPECIFIED RETENTION	6	3
F62	DIVISION NUMBER & NAME	67	
	LOCATION OF WORK DESCRIPTION		
F64	LINE 1	58	
F65	LINE 2	72	
F32	OBJECT CODE	3	
F66	PRIMARY OR F-M COST CENTER	6	
F97	LIQUIDATED DAMAGES	5	2
F37	NEW CONTRACT FLAG	1	
F40	SUPPLEMENTAL CONTRACT FLAG	1	
	UNUSED	4	

_____END BASE SECTION_____

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Field Code	Field Name	Field Length	Decimals
	ITEM DESCRIPTION		
F27	LINE 1	38	
F28	LINE 2	38	
F29	COUNTY NUMBER	2	
F30	COUNTY NAME	13	
F31	ITEM QUANTITY	11	3
F36	ITEM AMOUNT	11	2
F2	AUTHORIZED ITEM QUANTITY COMPLETED AT LAST REPORT	11	3
	OLD QUANTITIES		
F71	RURAL PARTICIPATING	11	3
F72	RURAL NON-PARTICIPATING	11	3
F73	RURAL SUSPENSE	11	3
F74	URBAN PARTICIPATING	11	3
F75	URBAN NON-PARTICIPATING	11	3
F76	URBAN SUSPENSE	11	3
	OLD AMOUNTS		
F77	RURAL PARTICIPATING	10	2
F78	RURAL NON-PARTICIPATING	10	2
F79	RURAL SUSPENSE	10	2
F80	URBAN PARTICIPATING	10	2
F81	URBAN NON-PARTICIPATING	10	2
F82	URBAN SUSPENSE	10	2
	NEW QUANTITIES		
F83	RURAL PARTICIPATING	11	3
F84	RURAL NON-PARTICIPATING	11	3
F85	RURAL SUSPENSE	11	3
F86	URBAN PARTICIPATING	11	3
F87	URBAN NON-PARTICIPATING	11	3
F88	URBAN SUSPENSE	11	3
	NEW AMOUNTS		
F89	RURAL PARTICIPATING	10	2
F90	RURAL NON-PARTICIPATING	10	2
F91	RURAL SUSPENSE	10	2
F92	URBAN PARTICIPATING	10	2
F93	URBAN NON-PARTICIPATING	10	2
F94	URBAN SUSPENSE	10	2
F42	UNIT PRICE	11	5
F43	UNIT CODE	2	
F44	UNIT DESCRIPTION	16	
F48	FUNCTION CODE	3	
F61	TOTAL ACCUMULATED RETENTION FOR ITEM	10	2
F33	ACCOUNTING UNIT	2	
F34	ACCOUNTING UNIT DESCRIPTION	30	
F95	PARTICIPATING CODE	1	
F8	PARTICIPATING CLASS OF UNIT (I-,IG,F-,FU, ETC.)	2	
F47	EXTRA WORK ORDER NUMBER	39	
F25	ITEM NUMBER	4	
F26	ITEM CODE	7	
F38	CANCEL ITEM FLAG	1	
F39	SUPPLEMENTAL CONTRACT ITEM QUANTITY	11	3
	UNUSED	130	
	TOTAL	1300	

Contractor Payments
Voucher Record
LRECL=350
BLKSIZE=3500
DSNAME=CPSVOU

Field ID.	Field Name	Field Length	Decimals	Source
V1	Contract Number	5		F1
V2	Cost Center	6		F10
V3	Date	6		F15
V4	Project Number	11		F4
V5	Contractor Number	5		F50
V6	Contractor Name	20		F51
V7	Contractor Address 1	20		F52
V8	Contractor Address 2	20		F53
V9	Contractor Address 3	20		F54
V10	Claimant	74		F55
V11	Design Number	9		F56
V12	Item Number	4		F25
V13	Rural-Urban Code	1		(PH5)
V14	Part., Non-part., Suspense Code	1		(PH5)
V15	Total Amount to Date	11	2	F89-94
V16	Total Amount Previous Report	11	2	F77-82
V17	Balance	11	2	(PH5)
V18	Function	3		F48
V19	Progress Voucher Number	4		F17
V21	Voucher Number	3		(PH5)
V22	Object Code	3		F32
V23	Retention Amount	11	2	(PH5)
V24	Amount Due	11	2	(PH5)
V25	Final Flag	1		(PH5)
V26	RCE Name	20		F11
V27	RCE Address	20		F12
V28	RCE Cost Center	6		F10
V29	Assignee Code	1		F6
	UNUSED	32		
	TOTAL	350		

FINAL ESTIMATE RECORD
LRECL=475
BLKSIZE=4750
DSNAME=CPSFIN

EST.FIELD	CONTENT	LENGTH	DECIMALS	CPM SOURCE
E1	Contract No.	5		F1
E2	Accounting Unit	2		F33
E3	Participation Class	2		F8
E4	Accounting Unit Descr.	30		F34
E6	Contractor	20		F51
E7	Type of Work	34		F7
E8	Item No.	4		F25
E9	Item Descr. Line 1	33		F27
E10	Item Descr. Line 2	33		F28
E11	Unit Price	11	5	F42
E12	Contract Qty.	11	3	F31
E13	Contract Amount (E11-E12)	11	2	-
E14	Actual Qty.	11	3	F83-F88
E15	Actual Amount	11	2	F89-F94
E18	Extra Work Order Number (Prints as 1st Line Descr. For Extra Work Orders & Change Orders)	39		F47
E19	Date	6		F15
E20	Participation Code	1		F95
E21	Rural - Urban Code	1		
	Location of Work			
E22	Line 1	58		F64
E23	Line 2	72		F65
E5	Project Number	30		F5
	Unused	28		
		475		

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Contractor Payment System
Project Status Record
LRECL=425
BLKSIZE=1700
DSNAME=STATUS

Field Code	Field Name	Field Length	Decimals	Source
S1	Contract Number	5		F1
S2	Group Number	1		F9
S3	Project Control Number	11		F4
S5	Beginning Date	6		F13
S6	Ending Date	6		F14
S7	Date of Last Invoice	6		F15
S8	Extra Days	3		F16
S9	Number of Miles	5	3	F22
S10	Number of Bridges	2		F23
S11	Number of Culverts	2		F24
S12	Total Contract Amount	10	2	F35
S13	Work Class Code	2		F45
S14	Work Class Description	60		F46
S15	Contractor Number	5		F50
S16	Contractor Name	20		F51
S17	Primary or FM Cost Center	6		F66
S18	County Number	2		F29
S19	County Name	13		F30
S20	Item Quantity Awarded	11	3	F31
S21	Item Amount Awarded	11	2	F36
S22	Authorized Item Quantity	11	3	F2
	Quantities Completed as of Last Report			
S23	Rural Participating	11	3	F83
S24	Rural Non-Participating	11	3	F84
S25	Rural Suspense	11	3	F85
S26	Urban Participating	11	3	F86
S27	Urban Non-Participating	11	3	F87
S28	Urban Suspense	11	3	F88
	Amounts Completed as of Last Report			
S29	Rural Participating	10	2	F89
S30	Rural Non-Participating	10	2	F90
S31	Rural Suspense	10	2	F91
S32	Urban Participating	10	2	F92
S33	Urban Non-Participating	10	2	F93
S34	Urban Suspense	10	2	F94
S35	Item Number	4		F25
S36	Item Code	7		F26
S37	RCE Office Cost Center	6		F10
S38	Unit Price	11	5	F42
S39	Monthly Progress Report Classification Code	2		
S40	Supplemental Contract Flag	1		
S4	Project Number	30		F5
	Unused	18		
		425		

Contractor Payment System
Monthly Report Record
LRECL=500
BLKSIZE=2500
DSNAME=MONTHRPT

Field Code	Field Name	Field Length	Decimals	Source
M1	Contract Number	5		S1 or F1
M2	Group Number	1		S2 or F9
M3	Item Number	4		S35 or F25
M4	RCE Cost Center	6		S37 or F10
M5	Primary or F.M. Cost Center	6		S17 or F66
M6	Project Control Number	11		S3 or F4
M7	Work Class Code	2		S13 or F45
M8	Work Class Description	60		S14 or F46
M9	County Number	2		S18 or F29
M10	County Name	13		S19 or F30
M11	Item Code	7		S36 or F26
M12	Item Quantity Awarded	11	3	S20 or F31
M13	Authorized Quantity	11	3	S22 or F2
M14	Item Amount Awarded	11	2	S21 or F36
M15	Unit Price	11	5	S38 or F42
M16	Number of Miles Under Contract	5	3	S9
M17	Number of Bridges Under Contract	2		S10
M18	Number of Culverts Under Contract	2		S11
	Rural Quantities:			
M19	Built This Month	11	3	
M20	Accepted This Month	11	3	F83-F84
M21	Accepted Year to Date	11	3	F83-F84
	Urban Quantities:			
M22	Built This Month	11	3	
M23	Accepted This Month	11	3	F86-F87
M24	Accepted Year to Date	11	3	F86-F87
	Suspense Quantities:			
M25	Built This Month	11	3	
M26	Accepted This Month	11	3	F85 & F88
M27	Accepted Year to Date	11	3	F85 & F88
	Rural Amounts:			
M28	Built This Month	10	2	
M29	Accepted This month	10	2	F89-F90
M30	Accepted Year to Date	10	2	F89-F90
	Urban Amounts:			
M31	Built This Month	10	2	
M32	Accepted This Month	10	2	F92-F93
M33	Accepted Year to Date	10	2	F92-F93
	Suspense Amounts:			
M34	Built This Month	10	2	
M35	Accepted This Month	10	2	F91 & F94
M36	Accepted Year to Date	10	2	F91 & F94
M37	Quantity Under Contract	11	3	S20
M38	Amount Under Contract	11	2	S21
M39	Monthly Progress Report Classification Code	2		S39
	Total Quantities in Place			
M40	Rural	11	3	S23 & S24 F83 & F84

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Field Code	Field Name	Field Length	Decimals	Source
M41	Urban	11	3	F86 & F87
				S26 & S27
M42	Suspense	11	3	F85 & F88
				S25 & S28
	Total Amounts in Place			
M43	Rural	10	2	F89 & F90
				S29 & S30
M44	Urban	10	2	F92 & F92
				S32 & S33
M45	Suspense	10	2	F91 & F94
				S31 & S34
M46	Number of Miles Accepted This Month	5	3	F22
M47	Number of Miles Accepted This Year	5	3	F22
M48	Number of Bridges Accepted This Month	2		F23
M49	Number of Bridges Accepted This Year	2		F23
M50	Number of Culverts Accepted This Month	2		F24
M51	Number of Culverts Accepted This Year	2		F24
	Unused	36		
	TOTAL	500		

CONTRACTOR PAYMENT SYSTEM
CONTRACTOR NAME AND ADDRESS FILE
LRECL=500
BLKSIZE=5000
TAPE DSNAME=NAMEBACK
DISK DSNAME=NAMEFILE

Field Code	Field Name	Field Length	Source Card Code
N1	Unused	1	
N2	Contractor Number	5	
N3	Contractor Name-1	24	1
N4	Contractor Name-2	24	2
N5	Contractor Name-3	24	3
N6	Contractor Name-4	24	4
N7	Contractor Address-1	24	1
N8	Contractor Address-2	24	2
N9	Contractor Address-3	24	3
	Assignee 1		
N10	Assignee Name-1	24	5
N11	Assignee Name-2	24	6
N12	Assignee Name-3	24	7
N13	Assignee Address 1	24	5
N14	Assignee Address 2	24	6
N15	Assignee Address 3	24	7
	Assignee 2		
N16	Assignee Name-1	24	8
N17	Assignee Name-2	24	9
N18	Assignee Name-3	24	10
N19	Assignee Address-1	24	8
N20	Assignee Address-2	24	9
N21	Assignee Address-3	24	10
	UNUSED	44	
	TOTAL	500	

ERROR/WARNING MESSAGES

MESSAGE	CAUSED BY	SUGGESTED ACTION
	P422000 PHASE I ERROR MESSAGES	
CPM CURRENT TAPE IS OUT OF SEQUENCE - RESORT	CONTRACTOR PAYMENTS MASTER FILE NOT BEING SORTED CORRECTLY.	RESORT CONTRACTOR PAYMENTS MASTER TAPE. AND RERUN PROGRAM.
NEW CONTRACT TAPE NEEDS TO BE RESORTED.	SORTED LETTING TAPE NOT BEING SORTED CORRECTLY.	RESORT LETTING TAPE AND RERUN.
NEW CPM TAPE OUT OF SEQUENCE - PROGRAM ERROR.	NEW TAPE BEING PUT OUT IS NOT IN ORDER.	CALL PROGRAMMER.
THERE IS A DUPLICATE CONTRACTOR NUMBER ON THE CONTRACTOR FOR TABULATION TAPE. IT WILL BE BYPASSED.	MORE THAN ONE CONTRACTOR FOR THE SAME NUMBER.	CHECK WITH THE CONTRACTS DEPARTMENT FOR DUPLICATE CONTRACTOR NUMBERS.
NEW ADDRESS CANNOT BE FOUND FOR CONTRACT NO. XXXXX.	ADDRESS FOR THE CONTRACTOR IS NOT ON THE CONTRACTOR FOR TABULATION TAPE.	CHECK TO SEE OF THE CONTRACTOR NUMBER IS INCORRECT OR IF TAPE NEEDS UPDATING.
NEW CONTRACT TAPE HAS DUPLICATE RECORDS ON IT.	TWO OR MORE RECORDS ON THE SORTED LETTING TAPE HAVE THE SAME ITEM NO., GROUP NO., AND CONTRACT NO.	DETERMINE WHICH IS CORRECT AND CHANGE THE OTHERS.
CONTRACTOR PAYMENT MASTER HAS DUPLICATE RECORDS ON IT.	TWO OR MORE RECORDS ON THE CONTRACTOR PAYMENTS MASTER FILE HAVE THE SAME ITEM NO., GROUP NO., AND CONTRACT NO.	DETERMINE WHICH IS CORRECT AND CHANGE THE OTHERS.
CPM REC AND NEW CONTRACT REC. ARE IDENTICAL -CPM REC USED.	RECORDS HAVE BEEN FOUND ON BOTH TAPES HAVING THE SAME ITEM NO., GROUP NO., AND CONTRACT NO.	DETERMINE WHICH IS CORRECT AND CHANGE THE OTHERS.

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MESSAGE	CAUSED BY	SUGGESTED ACTION
	P422004 PHASE 3 ERROR MESSAGES	
WARNING CONTRACT NUMBER ALTERED	CHANGE OF CONTRACT NUMBER BY 3 FORC TRANSACTION	BE SURE THAT CHANGE WAS INTENTIONAL AND IS CORRECT.
WARNING GROUP NUMBER ALTERED	CHANGE OF GROUP NUMBER BY 3FORC TRANS- ACTION	" "
WARNING ITEM NUMBER ALTERED	CHANGE OR ITEM NUMBER BY 3FORC TRANS- ACTION	" "
WARNING PROJECT CONTROL NUMBER ALTERED	CHANGE OF PROJECT CONTROL NUMBER BY 3FORC TRANSACTION	" "
WARNING PROJECT NO. ALTERED	CHANGE OF PROJECT CONTROL NUMBER BY 3FORC TRANSACTION	" "
WARNING CONTRACT AMOUNT ALTERED	CHANGE OF CONTRACT AMOUNT BY 3FORC TRANSACTION	" "
WARNING CONTRACT ACCUM RETENT ALTERED	ACCUMULATED RETENTION FOR CONTRACT CHANGED BY 3FORC TRANSACTION	" "
WARNING CONTRACT MAX RETENT ALTERED	MAXIMUM RETENTION AMOUNT FOR CONTRACT CHANGED BY 3FORC TRANSACTION	" "
WARNING RETENTION PERCENTAGE ALTERED	EITHER THE NORMAL RETENTION PERCENTAGE OR THE SPECIFIED RETENTION PERCENTAGE HAS BEEN CHANGED BY 3FORC TRANSACTION	" "
WARNING ITEM QTY AWARDED ALTERED	CHANGE OF ITEM QUANTITY AWARDED BY 3FORC TRANSACTION	IF CHANGE INTENTIONAL & CORRECT IS ITEM AMOUNT PRODUCT OF UNIT PRICE AND NEW ITEM QTY.
WARNING ITEM AMT AWARDED ALTERED	CHANGE OF ITEM AMOUNT AWARDED BY 3FORC TRANSACTION	IF CHANGE INTENTIONAL & CORRECT IS NEW ITEM AMOUNT PRODUCT OF UNIT PRICE AND ITEM QUANTITY.

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MESSAGE	CAUSED BY	SUGGESTED ACTION
	P422004 PHASE 3 ERROR MESSAGES	
WARNING ITEM QTY AUTHORIZED ALTERED	CHANGE OF ITEM QUANTITY AUTHORIZED BY 3FORC TRANSACTION	CHECK TO SEE IF THIS CHANGE SHOULD HAVE BEEN MADE WITH A CHANGE ORDER.
WARNING OLD QUANTITY ALTERED	ONE OR MORE OF THE SIX OLD QUANTITY FIELDS CHANGED BY 3FORC TRANSACTION	IF CHANGE INTENTIONAL AND CORRECT WILL IT PRODUCE ERROR IN PROGRESS AMOUNT TO BE PAID.
WARNING OLD AMOUNT ALTERED	ONE OR MORE OF THE SIX OLD AMOUNTS CHANGED BY 3FORC TRANSACTION.	" "
WARNING NEW QUANTITY ALTERED	ONE OR MORE OF THE SIX NEW PROGRESS QUANTITIES CHANGED BY 3FORC TRANSACTION	" "
WARNING NEW AMOUNT ALTERED	ONE OR MORE OF THE SIX NEW PROGRESS AMOUNTS CHANGED BY 3FORC TRANSACTION	" "
WARNING UNIT PRICE ALTERED	THE ITEM UNIT PRICE CHANGED BY 3FORC TRANSACTION	IF INTENTIONAL & CORRECT CHECK ITEM AMOUNT & ITEM PROGRESS AMOUNTS.
BEGINNING DATE	BEGINNING DATE OF CONTRACT ALTERED BY 3FORC TRANSACTION	VERIFY CORRECTNESS.
ENDING DATE ALTERED	ENDING DATE OF CONTRACT CHANGED BY 3FORC TRANSACTION	VERIFY CORRECTNESS.
CONTRACTOR NUMBER ALTERED	CHANGE OF CONTRACTOR NUMBER BY 3FORC TRANSACTION ON CONTRACT	IF NOT INTENTIONAL OR INCORRECT CHECK CHANGE SHEET FOR CORRECTNESS.
FUNCTION CODE ALTERED	FUNCTION CODE FOR ITEM CHANGED BY 3FORC TRANSACTION	" "
THIS CONTRACT CANCELLED	CANCELLATION CODE FOR CONTRACT PUT INTO RECORDS BY 3FORC TRANSACTION	VERIFY

MESSAGE	CAUSED BY	SUGGESTED ACTION
	P422004 PHASE 3 ERROR MESSAGES	
THIS ITEM CANCELLED	CANCELLATION CODE FOR ITEM PUT INTO RECORDS BY 3FORC TRANSACTION	VERIFY
COST CENTER ALTERED	THE COST CENTER TO BE CHANGED WAS CHANGED BY 3FORC TRANSACTION	VERIFY
EXTRA DAYS ALTERED	EXTRA DAYS FOR CONTRACT CHANGED BY 3FORC TRANSACTION	VERIFY
ITEM RETENTION ALTERED	ACCUMULATED RETENTION AMOUNT FOR ITEM CHANGED BY 3FORC TRANSACTION	
F NUMBER IN ERROR ON THIS TRANSACTION	CODING OF F NUMBER ON 3FORC CHANGE SHEET FOR NON-EXISTANT DATA FIELD OR MIS-PUNCHING.	
TRANSACTION CODE IS INVALID	MISPUNCHING OF TRANSACTION TYPE CODE i.e. 3FORC, 2PR02, etc.	RETURN CHANGE SHEET TO DATA PROCESSING FOR CORRECTION
NO MASTER FILE RECORD	A TRANSACTION HAS BEEN SUBMITTED FOR A CONTRACT OR ITEM NOT ON THE MASTER FILE.	CHECK CODE SHEET FOR CORRECT CON-TRACT, GROUP & ITEM NUMBERS.
DUPLICATE CHG. ON WORK ORDER NO.	ATTEMPT TO ADD CHANGE OR WORK ORDER TO CONTRACT UNDER ITEM NUMBER ALREADY ON MASTER FILE.	VERIFY DUPLICATION OF ITEM NUMBER. ASSIGN CORRECT NUMBER & RETURN TO DATA PROC.
BEGINNING DATE IN ERROR	MISSING OR IMPOSSIBLE DATE IN RECORD i.e. MONTH LESS THAN 1 OR GREATER THAN 12 PAY LESS THAN 1 OR GREATER THAN 31.	CODE CHANGE SHEET FOR CORRECT DATE.
ENDING DATE IN ERROR	" " "	" "
ITEM AMT NOT EQUAL ITEM QTY	ITEM AMOUNT IS NOT EQUAL TO PRODUCT OF UNIT PRICE AND ITEM QUANTITY	CHECK THE 3 VALUES AND CODE CHANGE FOR INCORRECT VALUES.

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MESSAGE	CAUSED BY	SUGGESTED ACTION
	P422004 PHASE 3 ERROR MESSAGES	
WORK CLASS CODE MISSING	THE RECORD CONTAINS NO WORK CLASS CODE	CODE CHANGE SHEET TO INSERT CORRECT CODE.
RCE COST CENTER MISSING	NO RCE COST CENTER IN RECORD FOR INTER-STATE OR PRIMARY PROJECT	CODE CHANGE SHEET WITH CORRECT CODE.
PROGRESS QTY OR AMT IN WRONG FIELD.	RECORD CONTAINS PROGRESS QTY WITH NO CORRESPONDING PROGRESS AMOUNT OR VICE VERSA.	REQUEST STATUS LIST FOR ITEM TO DETERMINE ERROR THEN CODE CORRECT-ION CHANGE SHEET.
TRANSACTION MUST HAVE ITEM NUMBER	3FORC CHANGE TO ITEM RECORD, CHANGE ORDER, EXTRA WORK ORDER, CANCELLED WARRANT OR PROGRESS TRANSACTION WITHOUT ITEM NO.	CORRECT CODE SHEET & SEND BACK TO DATA PROC. FOR CORRECTION
DUPLICATE CHANGE ORDER TRANSACTIONS FOR ITEM	MORE THAN ONE TRANSACTION RECORD OF TYPE 1CHG1, 1CHG2 or 1CHG3 FOR NEW CHANGE ORDER.	CHECK NEW CHANGE ORDERS FOR CON-TRACT OR GROUP FOR DUPLICATE ITEM NUMBERS. RECODE & SEND TO D.P.
1CHG2 NOT PRECEDED BY 1CHG1 FOR ITEM	A CHANGE ORDER DESCRIPTION CARD (TYPE 1CHG2) IS IN CURRENT TRANSACTION. FILE WITHOUT A QUANTITY CARD FOR AN ITEM.	IF QUANTITY CARD MISSED IN PUNCHING OF CHANGE ORDER SEND CHANGE ORDER BACK TO D.P. ELSE CHECK CONTRACT, GROUP & ITEM.
1CHG3 NOT PRECEDED BY 1CHG1 OR 1CHG2 FOR ITEM	ACHG ORDER NUMBER CARD (TYPE 1CHG3) IS IN CURRENT TRANSACTION FILE WITHOUT A QUANTITY CARD.	CHECK CONTRACT, GROUP & ITEM NO. OF CHANGE ORDER NUMBER CARD.
DUPLICATE WORK ORDER TRANSACTIONS FOR ITEM	MORE THAN 1 NEW WORK ORDER AMOUNT, DES-CRIPTION OR ORDER NUMBER CARD FOR ITEM NUMBER IN TRANSACTION FILE.	CHECK FOR DUPLICATE ITEM NUMBER ASSIGNMENT, DUPLICATE OR ERROR CARD PUNCHING.
PROGRESS REPORTED ON CHANGE ITEM	NEW PROGRESS HAS BEEN REPORTED AND PUNCHED FOR A CHANGE ORDER ITEM.	CHECK CODING AND PUNCHING OF ITEM NUMBER. SEND CORRECTION TO D.P.

MESSAGE	CAUSED BY	SUGGESTED ACTION
	P422004 PHASE 3 ERROR MESSAGES	
INVALID FIELD DESIGNATION	THE 'F' OR FIELD DESIGNATION OF A NEW PROGRESS REPORT OR WARRANT CANCELLATION HAS BEEN PUNCHED WITH OTHER THAN 83, 84, 85, 86, 87, 88 IN COLS 12 & 13.	ADVISE D.P. OPERATIONS OF ERROR IN PUNCHING.
ITEM CHANGE CHANGES DATA NOT IN ITEM RECORD	A 3FORC CHANGE CARD HAS BEEN PUNCHED WITH A FIELD IDENTIFICATION IN COLS 12 & 13 FOR A FIELD IN THE BASE PART OF RECORD BUT HAS AN ITEM NUMBER.	CHECK CODE SHEET FOR ERROR. IF CORRECT THEN NOTIFY D.P. OF PUNCH ERROR.
CHECK CHANGE ORDERS FOR CORRECT ITEM	THE SUM OF ITEM QUANTITIES AUTHORIZED AS UPDATED BY CHANGE ORDERS DOES NOT EQUAL SUM OF QUANTITIES AUTHORIZED AFTER UPDATE.	IF AUTHORIZED QTY CHANGED INTENTIONALLY & CORRECTLY BY 3FORC CHANGE - NO ACTION. ELSE CHECK CHANGE ORDERS FOR CORRECT ITEM NUMBER.

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MESSAGE	CAUSED BY	SUGGESTED ACTION
	P422008 PHASE IV ERROR MESSAGES	
NO QUANTITIES ON THE REALLOCATE QUANTITY RECORDS.	ALL OF THE 4RANN REC. HAD ZEROES IN THE QUANTITY FIELDS OR SOME OF THE 4RANN REC. ARE MISSING.	CORRECT 4RANN RECORDS OR CHECK TO SEE IF ANY ARE MISSING.
QUANTITY REALLOCATION FOR NONEXISTENT ACCOUNTING UNIT.	4RANN RECORDS FOR AN ACCOUNTING UNIT THAT DOES NOT HAVE A 4RAL1 RECORD.	ADD MISSING 4RAL1 RECORD OR CORRECT 79 & 8Ø POS ON 4RANN RECORD.
THIS SHOULD BE REALLOCATE INFO.	A 4RAL1 REC IS MISSING OR OUT OF SE-QUENCE.	PLACE 4RAL1 RECORDS IN FOR THAT GROUP.
REALLOCATE QUANT DID NOT FOLLOW THE 4RAL1 CARDS.	A 4RAØ1 REC IS MISSING OR OUT OF SE-QUENCE.	SUBMIT REALLOCATION INFORMATION FOR AN ACCOUNTING UNIT.
QUANTITY REALLO-CATION NOT EQUAL TO ITEM QUANTITY.	QUANTITIES FOUND ON THE 4RANN REC DO NOT EQUAL THOSE ON THE MASTER REC.	MAKE CORRECTIONS TO THE 4RANN RECORDS OR MASTER RECORDS.
REALLOCATE DATA FOR NONEXISTENT CONTRACT	4RA RECORDS FOR A CONTRACT THAT IS NOT ON THE MASTER FILE.	CHECK CONTRACT NUMBER TO SEE IF IF IS CORRECT.
REALLOCATE DATA FOR A CONTRACT NOT BEING FINALIZED.	4RA RECORDS FOR A CONTRACT THAT IS NOT FLAGGED FOR FINALIZATION.	DELETE 4RA RECORDS OR PLACE FLAG IN MASTER RECORD.

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MESSAGE	CAUSED BY	SUGGESTED ACTION
	P422008 PHASE IV ERROR MESSAGES	
NEW REPORTED PRO-GRESS EXCEEDS AUTHORIZATION.	QUANTITY REPORTED EXCEEDS THE QUANTITY AUTHORIZED FOR ITEM BY MORE THAN 20%.	CHECK REPORTED PROGRESS. IF CORRECT, CHECK IF AUTHORIZATION CHANGE ORDER MISSING.
AMOUNT PAID XXXX.XX EXCEEDS CONTRACT AMOUNT XXXX.XX.	TOTAL AMOUNT CALCULATED AS PAID ON CON-TRACT IS GREATER THAN THE AMOUNT AWARDED ON THE CONTRACT.	IF LEGAL OVERRUN - NO ACTION OTHERWISE CHECK PROGRESS QUANTITIES, UNIT PRICES AND TOTAL CONTRACT AMOUNT AWARDED FOR ACCURACY.
*** NEGATIVE CON-TRACT PAYMENT ***	CALCULATION OF THE AMOUNT TO BE PAID ON THIS VOUCHER HAS RESULTED IN A NEGATIVE VALUE.	CHECK CURRENT REPORTED PROGRESS QUANTITIES FOR ACCURACY. CHECK RETENTION.
SUM OF ITEM AMOUNTS XXXXX.XX NOT EQUAL CONTRACT AMOUNT XXXX.XX.	ALL ITEM AMOUNTS FOR CONTRACT EXCEPT CHANGE ORDERS AND EXTRA WORK ORDERS HAVE BEEN ADDED AND THE SUM DOES NOT EQUAL THE CONTRACT AMOUNT AWARDED.	CHECK CONTRACT AMOUNT. SUBMIT AMOUNTS TO VERIFY MESSAGE. CHECK TO SEE IF ITEM AMOUNT IS EQUAL TO QUANTITY AWARDED TIMES UNIT PRICE.
SUM OF ITEM RETEN-TION NOT EQUAL TOTAL FOR CONTRACT.	ACCUMULATED RETENTION AMOUNT HAS BEEN ADDED FOR ALL ITEMS AND SUM DOES NOT AGREE WITH TOTAL CONTRACT ACCUMULATED RETENTION.	CHECK FOR CHANGE OF ANY RETENTION ON AMOUNT BY CHANGE CARD IN THIS RUN. IF NONE, REPORT ERROR TO DATA PROCESSING.

MESSAGE	CAUSED BY	SUGGESTED ACTION
	P422014 PAYMENT VOUCHER PROGRAM ERROR MESSAGES (PHASE 6)	
NO VOUCHERS WRITTEN FOR THIS CONTRACT	CONTRACTOR NUMBER ON VOUCHER RECORD IS NOT IN NAME FILE	CODE UP NEW NAME AND ADDRESS CARDS FOR CONTRACTOR BEFORE PRODUCTION RUN
CARD AMT-DUE GRTR VOUCH AMT-DUE - CARD SKIPPED	TOTAL AMOUNT OF COURT ORDER PAYMENT CARDS IS GREATER THAN THE TOTAL AMOUNT DUE OF THE CONTRACT'S VOUCHER	CHANGE PROGRESS VOUCHER TO EFFECT AN INCREASE IN THE PAYMENT VOUCHER
WARRANT CARD FOR FINAL VOUCHER - CARD SKIPPED	COURT ORDER PAYMENT CARDS WERE ENCOUN-TERED FOR A CONTRACT NUMBER THAT HAD ONLY A FINAL VOUCHER	HAND PREPARE PAYMENT VOUCHER FOR THE CONTRACTOR AND FOR THE COURT ORDER PAYEE AND VOID THE PROGRAM'S FINAL PAYMENT VOUCHER
NO CORRESPONDING VOUCHER RECORD - CARD SKIPPED	COURT ORDER PAYMENT CARDS WERE ENCOUN-TERED FOR A CONTRACT NUMBER THAT WAS NOT BEING PROCESSED	SUBMIT PROGRESS VOUCHER SO THAT A PAYMENT VOUCHER IS WRITTEN

SAMPLE LISTINGS

CONTRACT __01964__ GROUP __1__

VOUCHER NO. ____1____ ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

DATE LAST VOUCHER | 00_00_00 | THIS VOUCHER 06-10-68
MO. DAY YR.   MO. DAY YR.

F-520-4(7)--20-40
STRUCTURES
JAMES R BUMP

Form 309-25M-14969

EXTRA DAYS	
THIS VOUCH	TO DATE
	00

CONTRACTOR NO. 48200   NAME WELDEN BROTHERS INC.

CONTRACT RETENTION

CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
0.100	4906.34	.	.

ITEM NO.	QUANTITY AWARDED / ITEM DESCRIPTION	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0001	577,200 CONCRETE, STRUCTURAL	577,200	CU. YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	134,000					
0002	132811,000 STEEL, REINFORCING	132811,000	LBS.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	31040,000					
0003	14000 BEAMS, PRETENSIONED, PRESTRESSED CONCRETE B-2	14000	ONLY	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0004	14000 BEAMS, PRETENSIONED, PRESTRESSED CONCRETE, B-9	14000	ONLY	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0005	440000 HANDRAIL, ALUMINUM	440000	LIN. FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0006	4390000 PILING, CREOSOTED	4390000	LIN. FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	2235,000					
0007	460000 EXCAVATION, CLASS 20	460000	CU. YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	360,000					
0008	110000 BACKFILL, GRANULAR	110000	CU. YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0009	565000 CONCRETE, SLOPE PROTECTION	565000	SQ. YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0010	212000 SUBDRAIN, TILE, 4IN. DIA.	212000	LIN. FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						

SAMPLE

AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION

DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____, THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ SIGNED CLAIMANT (CONTRACTOR)

PROGRAM NO. 422010

209

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

F-520-4(7)--20-40
STRUCTURES
JAMES R BUMP

Form 309-25M-14969

CONTRACT **01964** GROUP **1**

VOUCHER NO. **1**   ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

DATE LAST VOUCHER | 00 _ 00 _ 00 | THIS VOUCHER | _ _ _ |
MO. DAY YR.   MO. DAY YR.

EXTRA DAYS		
THIS VOUCH	TO DATE	
	00	

CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.

CONTRACT RETENTION

CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
0.100	4906.34	.	.

ITEM NO.	QUANTITY AWARDED	QUANTITY AUTHORIZED / ITEM DESCRIPTION	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0011	485000	485000 / CONDUIT,RIGID STEEL,2IN.DIA.	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0012	300000	300000 / PILING,CREOSOTED,TEST	LUMP SUM	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	1,000					
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						

AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION

DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____, THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ SIGNED CLAIMANT (CONTRACTOR)

SAMPLE

210

CONTRACT __01964__ GROUP __1__

VOUCHER NO. __2__ ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

DATE LAST VOUCHER | 06_10_68 | THIS VOUCHER | 09-16-68 |
MO. DAY YR.   MO. DAY YR.

F-520-4(7)--20-40
STRUCTURES
JAMES R BUMP

Form 309-25M-14969

EXTRA DAYS						CONTRACT RETENTION			
THIS VOUCH	TO DATE					CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
	00	CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.				10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
			ITEM DESCRIPTION							
0001	577,200	577,200	CU.YD.	COMPL LAST VOUCH	134000	,000	,000	,000	,000	,000
	CONCRETE,STRUCTURAL			TOTAL TO DATE	220,000					
0002	132811,000	132811,000	LBS.	COMPL LAST VOUCH	31040000	,000		,000	,000	,000
	STEEL,REINFORCING			TOTAL TO DATE	50621,000					
0003	14000	14000	ONLY	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BEAMS,PRETENSIONED,PRESTRESSED CONCRETE B-2			TOTAL TO DATE						
0004	14000	14000	ONLY	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BEAMS,PRETENSIONED,PRESTRESSED CONCRETE,B-9			TOTAL TO DATE						
0005	440000	440000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	HANDRAIL,ALUMINUM			TOTAL TO DATE						
0006	4390000	4390000	LIN.FT.	COMPL LAST VOUCH	2235000	,000	,000	,000	,000	,000
	PILING,CREOSOTED			TOTAL TO DATE	3765,000					
0007	460000	460000	CU.YD.	COMPL LAST VOUCH	360000	,000	,000	,000	,000	,000
	EXCAVATION,CLASS 20			TOTAL TO DATE	410,000					
0008	110000	110000	CU.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BACKFILL,GRANULAR			TOTAL TO DATE						
0009	565000	565000	SQ.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	CONCRETE,SLOPE PROTECTION			TOTAL TO DATE	499,000					
0010	212000	212000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	SUBDRAIN,TILE,4IN.DIA.			TOTAL TO DATE						

SAMPLE

211

AUDITED ACCOUNTING DEPT.	I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.	CLAIMANT'S CERTIFICATION
	DATE ___ COUNTY OR RESIDENT ENGINEER CERTIFICATION	I, _____, THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.
	DATE ___ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL	
	DATE ___ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL	DATE ___ SIGNED CLAIMANT (CONTRACTOR)

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CONTRACT __01964__ GROUP __1__

VOUCHER NO. _____2_____ ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

DATE LAST VOUCHER | 06_10_68 | THIS VOUCHER | __-__ |
MO. DAY YR.   MO. DAY YR.

F-520-4(7)--20-40
STRUCTURES
JAMES R BUMP

Form 309-25M-14969

EXTRA DAYS		
THIS VOUCH	TO DATE	
	00	CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.

CONTRACT RETENTION			
CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED / QUANTITY AUTHORIZED / UNIT OF MEASURE / ITEM DESCRIPTION		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
	485000	485000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
0011	CONDUIT,RIGID STEEL,2IN.DIA.		TOTAL TO DATE						
	300000	300000	LUMP SUM	COMPL LAST VOUCH	1,000	,000	,000	,000	,000	,000
0012	PILING,CREOSOTED,TEST		TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						

SAMPLE

212

AUDITED ACCOUNTING DEPT.	I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.
	DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION
	DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL
	DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____ , THE _____ FOR

_____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____   SIGNED CLAIMANT (CONTRACTOR)

CONTRACT __01964__ GROUP __1__

VOUCHER NO. __3__ ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

DATE LAST VOUCHER |09-16-68| THIS VOUCHER |10-14-68|
MO. DAY YR.   MO. DAY YR.

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STRUCTURES
JAMES R BUMP

Form 309-25M-14969

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EXTRA DAYS

THIS VOUCH	TO DATE
	00

CONTRACTOR NO. 48200 NAME. WELDEN BROTHERS INC.

CONTRACT RETENTION

CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED	QUANTITY AUTHORIZED	UNIT OF MEASURE / ITEM DESCRIPTION		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0001	577,200	577,200	CU.YD. CONCRETE, STRUCTURAL	COMPL LAST VOUCH	220,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	243,000					
0002	132811,000	132811,000	LBS. STEEL, REINFORCING	COMPL LAST VOUCH	50621,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	55982,000					
0003	14,000	14,000	ONLY BEAMS, PRETENSIONED, PRESTRESSED CONCRETE B-2	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	14,000					
0004	14,000	14,000	ONLY BEAMS, PRETENSIONED, PRESTRESSED CONCRETE, B-9	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	14,000					
0005	440,000	440,000	LIN.FT. HANDRAIL, ALUMINUM	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0006	4390,000	4390,000	LIN.FT. PILING, CREOSOTED	COMPL LAST VOUCH	3765,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	4338,000					
0007	460,000	460,000	CU.YD. EXCAVATION, CLASS 20	COMPL LAST VOUCH	410,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	460,000					
0008	110,000	110,000	CU.YD. BACKFILL, GRANULAR	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0009	565,000	565,000	SQ.YD. CONCRETE, SLOPE PROTECTION	COMPL LAST VOUCH	499,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	516,000					
0010	212,000	212,000	LIN.FT. SUBDRAIN, TILE, 4 IN. DIA.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						

SAMPLE (watermark)

AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE ___ COUNTY OR RESIDENT ENGINEER CERTIFICATION

DATE ___ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

DATE ___ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____, THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE ___ SIGNED CLAIMANT (CONTRACTOR)

CONTRACT __01964__ GROUP __1__

VOUCHER NO. ____3____ ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

DATE LAST VOUCHER |09-16-68| THIS VOUCHER |10-14-68|
MO. DAY YR.   MO. DAY YR.

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STRUCTURES
JAMES R BUMP

Form 309-25M-14969

EXTRA DAYS		CONTRACT RETENTION			
THIS VOUCH	TO DATE		CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
	00	CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.	10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
		ITEM DESCRIPTION								
0001	577,200	577,200	CU.YD.	COMPL LAST VOUCH	220,000	,000	,000	,000	,000	,000
	CONCRETE, STRUCTURAL			TOTAL TO DATE	243,000					
0002	132811,000	132811,000	LBS.	COMPL LAST VOUCH	50621,000	,000	,000	,000	,000	,000
	STEEL, REINFORCING			TOTAL TO DATE	55982,000					
0003	14,000	14,000	ONLY	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BEAMS, PRETENSIONED, PRESTRESSED CONCRETE B-2			TOTAL TO DATE	14,000					
0004	14,000	14,000	ONLY	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BEAMS, PRETENSIONED, PRESTRESSED CONCRETE, B-9			TOTAL TO DATE	14,000					
0005	440,000	440,000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	HANDRAIL, ALUMINUM			TOTAL TO DATE						
0006	4390,000	4390,000	LIN.FT.	COMPL LAST VOUCH	3765,000	,000	,000	,000	,000	,000
	PILING, CREOSOTED			TOTAL TO DATE	4338,000					
0007	460,000	460,000	CU.YD.	COMPL LAST VOUCH	410,000	,000	,000	,000	,000	,000
	EXCAVATION, CLASS 20			TOTAL TO DATE	460,000					
0008	110,000	110,000	CU.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BACKFILL, GRANULAR			TOTAL TO DATE						
0009	565,000	565,000	SQ.YD.	COMPL LAST VOUCH	499,000	,000	,000	,000	,000	,000
	CONCRETE, SLOPE PROTECTION			TOTAL TO DATE	516,000					
0010	212,000	212,000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	SUBDRAIN, TILE, 4 IN. DIA.			TOTAL TO DATE						

SAMPLE

AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE ____ COUNTY OR RESIDENT ENGINEER CERTIFICATION

DATE ____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

DATE ____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____, THE _____ FOR
_____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE ____ SIGNED CLAIMANT (CONTRACTOR)

CONTRACT **01964** GROUP **1**

VOUCHER NO. **3** ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

DATE LAST VOUCHER | **09_16_68** | THIS VOUCHER | **- -** |
MO. DAY YR.   MO. DAY YR.

F-520-4(7)--20-40
STRUCTURES
JAMES R BUMP

Form 309-25M-14969

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EXTRA DAYS		CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.	CONTRACT RETENTION			
THIS VOUCH	TO DATE		CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
	00		10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED / ITEM DESCRIPTION	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0011	485000 CONDUIT,RIGID STEEL,2IN.DIA.	485000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0012	300000 PILING,CREOSOTED,TEST	300000	LUMP SUM	COMPL LAST VOUCH	1,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
8001	440000 PAYMENT FOR UNINCORP. MATERIAL ON ITEM 5	,000		COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	440,000					
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						

SAMPLE

AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION

DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____, THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ SIGNED CLAIMANT (CONTRACTOR)

CONTRACT **01964** GROUP **1**

VOUCHER NO. **4** ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

DATE LAST VOUCHER | **10_14_68** | THIS VOUCHER | **11 25 68** |
MO. DAY YR. MO. DAY YR.

F-520-4(7)--20-40
STRUCTURES
JAMES R BUMP

Form 309-25M-14969

EXTRA DAYS		CONTRACT RETENTION			
THIS VOUCH	TO DATE	CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
	00	CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.	10.000	4906.34	.

ITEM NO.	QUANTITY AWARDED / ITEM DESCRIPTION	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0001	577,200 CONCRETE, STRUCTURAL	577,200	CU.YD.	COMPL LAST VOUCH	243,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	545,000					
0002	132811,000 STEEL, REINFORCING	132811,000	LBS.	COMPL LAST VOUCH	55982,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	125491,000					
0003	14,000 BEAMS, PRETENSIONED, PRESTRESSED CONCRETE B-2	14,000	ONLY	COMPL LAST VOUCH	14,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0004	14,000 BEAMS, PRETENSIONED, PRESTRESSED CONCRETE, B-9	14,000	ONLY	COMPL LAST VOUCH	14,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0005	440,000 HANDRAIL, ALUMINUM	440,000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0006	4390,000 PILING, CREOSOTED	4390,000	LIN.FT.	COMPL LAST VOUCH	4338,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0007	460,000 EXCAVATION, CLASS 20	460,000	CU.YD.	COMPL LAST VOUCH	460,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0008	110,000 BACKFILL, GRANULAR	110,000	CU.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0009	565,000 CONCRETE, SLOPE PROTECTION	565,000	SQ.YD.	COMPL LAST VOUCH	516,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	565,000					
0010	212,000 SUBDRAIN, TILE, 4IN.DIA.	212,000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						

SAMPLE

AUDITED ACCOUNTING DEPT.	I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.	CLAIMANT'S CERTIFICATION
	DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION	I, _____, THE _____ FOR (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.
	DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL	
	DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL	DATE _____ SIGNED CLAIMANT (CONTRACTOR)

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

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CONTRACT __01964__ GROUP __1__

VOUCHER NO. ____4____ ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

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DATE LAST VOUCHER | 10 - 14 - 68 | THIS VOUCHER | - - |
MO. DAY YR.   MO. DAY YR.

EXTRA DAYS						
THIS VOUCH	TO DATE					
	00	CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.				

CONTRACT RETENTION

CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED / ITEM DESCRIPTION	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0011	485000 CONDUIT,RIGID STEEL,2IN.DIA.	485000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE	50,000					
0012	300000 PILING,CREOSOTED,TEST	300000	LUMP SUM	COMPL LAST VOUCH	1,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
8001	440000 PAYMENT FOR UNINCORP. MATERIAL ON ITEM 5	,000		COMPL LAST VOUCH	440000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						

AUDITED ACCOUNTING DEPT.	I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

_____ DATE   COUNTY OR RESIDENT ENGINEER CERTIFICATION

_____ DATE   CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

_____ DATE   DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____ , THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

_____ DATE   SIGNED CLAIMANT (CONTRACTOR)

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IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

DATE LAST VOUCHER | 11-25-68 | THIS VOUCHER | 12-10-68 |
MO. DAY YR.   MO. DAY YR.

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STRUCTURES
JAMES R BUMP

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EXTRA DAYS					CONTRACT RETENTION			
THIS VOUCH	TO DATE				CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
	00	CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.			10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED / QUANTITY AUTHORIZED / UNIT OF MEASURE / ITEM DESCRIPTION				RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0001	577,200	577,200	CU.YD.	COMPL LAST VOUCH	545,000	,000	,000	,000	,000	,000
	CONCRETE, STRUCTURAL			TOTAL TO DATE	575,000					
0002	132811,000	132811,000	LBS.	COMPL LAST VOUCH	125491,000	,000	,000	,000	,000	,000
	STEEL, REINFORCING			TOTAL TO DATE	132811,000					
0003	14,000	14,000	ONLY	COMPL LAST VOUCH	14,000	,000	,000	,000	,000	,000
	BEAMS, PRETENSIONED, PRESTRESSED CONCRETE B-2			TOTAL TO DATE						
0004	14,000	14,000	ONLY	COMPL LAST VOUCH	14,000	,000	,000	,000	,000	,000
	BEAMS, PRETENSIONED, PRESTRESSED CONCRETE, B-9			TOTAL TO DATE						
0005	440,000	440,000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	HANDRAIL, ALUMINUM			TOTAL TO DATE	440,000					
0006	4390,000	4390,000	LIN.FT.	COMPL LAST VOUCH	4338,000	,000	,000	,000	,000	,000
	PILING, CREOSOTED			TOTAL TO DATE	4545,000					
0007	460,000	460,000	CU.YD.	COMPL LAST VOUCH	460,000	,000	,000	,000	,000	,000
	EXCAVATION, CLASS 20			TOTAL TO DATE						
0008	110,000	110,000	CU.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BACKFILL, GRANULAR			TOTAL TO DATE	110,000					
0009	565,000	565,000	SQ.YD.	COMPL LAST VOUCH	565,000	,000	,000	,000	,000	,000
	CONCRETE, SLOPE PROTECTION			TOTAL TO DATE						
0010	212,000	212,000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	SUBDRAIN, TILE, 4IN.DIA.			TOTAL TO DATE	212,000					

SAMPLE

AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION

DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____, THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ SIGNED CLAIMANT (CONTRACTOR)

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

CONTRACT 01964 GROUP 1

VOUCHER NO. 5 ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

DATE LAST VOUCHER | 11_25_68 | THIS VOUCHER | _ _ |
MO. DAY YR.   MO. DAY YR.

F-520-4(7)--20-40
STRUCTURES
JAMES R BUMP

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EXTRA DAYS			CONTRACT RETENTION			
THIS VOUCH	TO DATE		CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
00		CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.	10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
			ITEM DESCRIPTION							
0011	485000	485000	LIN.FT.	COMPL LAST VOUCH	50,000	,000	,000	,000	,000	,000
	CONDUIT,RIGID STEEL,2IN.DIA.			TOTAL TO DATE	485,000					
0012	300000	300000	LUMP SUM	COMPL LAST VOUCH	1,000	,000	,000	000	000	000
	PILING,CREOSOTED,TEST			TOTAL TO DATE						
8001	440000	,000		COMPL LAST VOUCH	440,000	,000	,000	000	000	000
	PAYMENT FOR UNINCORP. MATERIAL ON ITEM 5			TOTAL TO DATE	0,000					
8002	513120	,000		COMPL LAST VOUCH	,000	,000	000	000	000	000
	ANCHOR PILE AND LOAD BEARING TEST			TOTAL TO DATE	513,120					
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						

SAMPLE

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AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION

DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____, THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ SIGNED CLAIMANT (CONTRACTOR)

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

CONTRACT __01964__ GROUP __1__

VOUCHER NO. __6__ ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

DATE LAST VOUCHER | 12_10_68 | THIS VOUCHER | _ _ |
MO. DAY YR.   MO. DAY YR.

F-520-4(7)—20-40
STRUCTURES
JAMES R BUMP

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EXTRA DAYS

THIS VOUCH	TO DATE
	00

CONTRACTOR NO. 48200 , NAME WELDEN BROTHERS INC.

CONTRACT RETENTION

CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED / ITEM DESCRIPTION	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0001	577,200 CONCRETE, STRUCTURAL	577,200	CU. YD.	COMPL LAST VOUCH	575,000	000	000	000	000	000
				TOTAL TO DATE						
0002	132811,000 STEEL, REINFORCING	132811,000	LBS.	COMPL LAST VOUCH	132811,000	000	000	000	000	000
				TOTAL TO DATE						
0003	14000 BEAMS, PRETENSIONED, PRESTRESSED CONCRETE B-2	14000	ONLY	COMPL LAST VOUCH	14000	000	000	000	000	000
				TOTAL TO DATE						
0004	14000 BEAMS, PRETENSIONED, PRESTRESSED CONCRETE, B-9	14000	ONLY	COMPL LAST VOUCH	14000	000	000	000	000	000
				TOTAL TO DATE						
0005	440000 HANDRAIL, ALUMINUM	440000	LIN. FT.	COMPL LAST VOUCH	440000	000	000	000	000	000
				TOTAL TO DATE						
0006	4390000 PILING, CREOSOTED	4390000	LIN. FT.	COMPL LAST VOUCH	4545000	000	000	000	000	000
				TOTAL TO DATE						
0007	460000 EXCAVATION, CLASS 20	460000	CU. YD.	COMPL LAST VOUCH	460000	000	000	000	000	000
				TOTAL TO DATE						
0008	110000 BACKFILL, GRANULAR	110000	CU. YD.	COMPL LAST VOUCH	110000	000	000	000	000	000
				TOTAL TO DATE						
0009	565000 CONCRETE, SLOPE PROTECTION	565000	SQ. YD.	COMPL LAST VOUCH	565000	000	000	000	000	000
				TOTAL TO DATE						
0010	212000 SUBDRAIN, TILE, 4IN. DIA.	212000	LIN. FT.	COMPL LAST VOUCH	212000	000	000	000	000	000
				TOTAL TO DATE						

SAMPLE

AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION

DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____ THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ SIGNED CLAIMANT (CONTRACTOR)

CONTRACT __01964__ GROUP __1__

VOUCHER NO. ____6____ ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

DATE LAST VOUCHER |12–10–68| THIS VOUCHER |– – |
MO. DAY YR.   MO. DAY YR.

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EXTRA DAYS					CONTRACT RETENTION			
THIS VOUCH	TO DATE				CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
	00	CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.			10.000	4941.99	.	.

ITEM NO.	QUANTITY AWARDED / ITEM DESCRIPTION	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0011	485000 CONDUIT,RIGID STEEL,2IN.DIA.	485000	LIN.FT.	COMPL LAST VOUCH	485000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0012	300000 PILING,CREOSOTED,TEST	300000	LUMP SUM	COMPL LAST VOUCH	1,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
8001	440000 PAYMENT FOR UNINCORP. MATERIAL ON ITEM 5	,000		COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
8002	513120 ANCHOR PILE AND LOAD BEARING TEST	,000		COMPL LAST VOUCH	513120	,000	,000	,000	,000	,000
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						

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SAMPLE

AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION _____

DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL _____

DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL _____

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____, THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ SIGNED CLAIMANT (CONTRACTOR) _____

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

CONTRACT 01965 GROUP 1

VOUCHER NO. 1 ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

DATE LAST VOUCHER | 00 – 00 – 00 | MO. DAY YR.   THIS VOUCHER | – – | MO. DAY YR.

F-520-4(7)--20-40
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EXTRA DAYS		CONTRACT RETENTION			
THIS VOUCH	TO DATE	CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
00		10.000	4906.34	.	.

CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.

ITEM NO.	QUANTITY AWARDED / QUANTITY AUTHORIZED ITEM DESCRIPTION		UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0001	577,200	577,200	CU.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	CONCRETE, STRUCTURAL			TOTAL TO DATE						
0002	132811,000	132811,000	LBS.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	STEEL, REINFORCING			TOTAL TO DATE						
0003	14000	14000	ONLY	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BEAMS, PRETENSIONED, PRESTRESSED CONCRETE B-2			TOTAL TO DATE						
0004	14000	14000	ONLY	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	BEAMS, PRETENSIONED, PRESTRESSED CONCRETE, B-9			TOTAL TO DATE						
0005	440000	440000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
	HANDRAIL, ALUMINUM			TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						

SAMPLE

222

AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION

DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____, THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ SIGNED CLAIMANT (CONTRACTOR)

IOWA STATE HIGHWAY COMMISSION
CONTRACT CONSTRUCTION PROGRESS VOUCHER

CONTRACT 01965 GROUP 2

VOUCHER NO. 1 — ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

DATE LAST VOUCHER | 00 00 00 | THIS VOUCHER | – – |
MO. DAY YR.   MO. DAY YR.

F-520-4(7)—20-40
STRUCTURES
JAMES R BUMP

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EXTRA DAYS		
THIS VOUCH	TO DATE	
	00	CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.

CONTRACT RETENTION

CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED / ITEM DESCRIPTION	QUANTITY AUTHORIZED	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0001	4390000 PILING, CREOSOTED	4390000	LIN.FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0002	460000 EXCAVATION, CLASS 20	460000	CU.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
0003	110000 BACKFILL, GRANULAR	110000	CU.YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						
				COMPL LAST VOUCH						
				TOTAL TO DATE						

SAMPLE

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AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ COUNTY OR RESIDENT ENGINEER CERTIFICATION _____

DATE _____ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL _____

DATE _____ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL _____

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____, THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE _____ SIGNED CLAIMANT (CONTRACTOR) _____

CONTRACT 01965 GROUP 3

VOUCHER NO. 1 ☐ X THIS BOX WHEN NEXT VOUCHER WILL BE THE FINAL

DATE LAST VOUCHER | 00 - 00 - 00 | MO. DAY YR.   THIS VOUCHER | _ - _ - _ | MO. DAY YR.

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STRUCTURES
JAMES R BUMP

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EXTRA DAYS						
THIS VOUCH	TO DATE					
	00	CONTRACTOR NO. 48200 NAME WELDEN BROTHERS INC.				

CONTRACT RETENTION

CURRENT RET. %	CURRENT MAX. RET. AMOUNT	NEW RET. %	NEW MAX. RET. AMOUNT
10.000	4906.34	.	.

ITEM NO.	QUANTITY AWARDED / QUANTITY AUTHORIZED / ITEM DESCRIPTION	UNIT OF MEASURE		RURAL PARTICIPATING F83	RURAL NON-PARTICIPATING F84	RURAL SUSPENSE F85	URBAN PARTICIPATING F86	URBAN NON-PARTICIPATING F87	URBAN SUSPENSE F88
0001	565000 565000 CONCRETE, SLOPE PROTECTION	SQ. YD.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
			TOTAL TO DATE						
0002	212000 212000 SUBDRAIN, TILE, 4IN. DIA.	LIN. FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
			TOTAL TO DATE						
0003	485000 485000 CONDUIT, RIGID STEEL, 2IN. DIA.	LIN. FT.	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
			TOTAL TO DATE						
0004	300000 300000 PILING, CREOSOTED, TEST	LUMP SUM	COMPL LAST VOUCH	,000	,000	,000	,000	,000	,000
			TOTAL TO DATE						
			COMPL LAST VOUCH						
			TOTAL TO DATE						
			COMPL LAST VOUCH						
			TOTAL TO DATE						
			COMPL LAST VOUCH						
			TOTAL TO DATE						
			COMPL LAST VOUCH						
			TOTAL TO DATE						
			COMPL LAST VOUCH						
			TOTAL TO DATE						

SAMPLE

224

AUDITED ACCOUNTING DEPT.

I CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE ___ COUNTY OR RESIDENT ENGINEER CERTIFICATION

DATE ___ CHAIRMAN OF BOARD OF SUPERVISORS APPROVAL

DATE ___ DISTRICT ENGINEER OR DEPT. HEAD APPROVAL

CERTIFICATION FOR HOURS AND LABOR APPLIES ONLY TO FEDERAL PARTICIPATING PROJECTS.

CLAIMANT'S CERTIFICATION

I, _____ , THE _____ FOR _____ (CONTRACTOR) CERTIFY THAT THE WORK ITEMS SHOWN HEREIN ARE JUST AND UNPAID, AND THAT THE REQUIREMENTS OF THE IOWA STATE HIGHWAY COMMISSION SPECIFICATIONS FOR THIS PROJECT, INCLUDING ALL REQUIREMENTS AS TO MAXIMUM HOURS OF LABOR AND MINIMUM WAGES HAVE BEEN COMPLIED WITH.

DATE ___ SIGNED CLAIMANT (CONTRACTOR)

IOWA STATE HIGHWAY COMMISSION

FORM 308CP-12M
12-68-14971
PB15595

AMES, IOWA

PRIMARY ROAD

CONTRACT PAYMENT VOUCHER

PROGRAM NO. 422014

PAGE 1

33170
PAYMENT VOUCHER NO.

03-02-69	167000					
DATE	COST CENTER					

43	00	0000	003
SYS. NO.	CO. NO.	CTL. SECT. OR BLDG. NO.	PAREN.

11133
CONTRACT NO.

DESIGN NO.

110
OBJECT CODE

QUAD CITY CONST CO
BOX 820
ROCK ISLAND ILL 61201

MULTI. WARRANT CODE	FUNCTION CODE	RURAL URBAN - 1	PART N-PART SUSPEN - 3	DISTRIBUTION				
				EARNED			LESS RETAINED	AMOUNT DUE THIS ESTIMATE
				TOTAL TO DATE	PREV. REPORTED	BALANCE		
1	409	1	1	610.00	500.00	110.00	10.00	100.00
1	410	1	1	75.00	20.00	55.00	5.00	50.00
2	410	1	1	300.00	80.00	220.00	20.00	200.00
2	411	1	1	310.00	200.00	110.00	10.00	100.00
2	412	1	1	60.00	4.00	54.00	4.00	50.00
2	420	1	2	101.49	40.65	60.84	10.84	50.00
3	420	1	2	50.74	20.33	30.41	5.41	25.00
3	425	2	1	80,120.00	80,000.00	120.00	40.00	80.00
3	430	2	1	620.00	500.00	120.00	10.00	110.00
3	431	2	2	132.22	77.78	54.44	19.44	35.00
4	431	2	2	207.78	122.22	85.56	30.56	55.00
4	440	2	3	94.23	47.23	47.00	2.00	45.00
1	BAKER EQUIPMENT CO.					150.00		
2	MOORE CONSTRUCTION SUPPLY					400.00		
3	DEWEY CEMENT CO.					250.00		
TOTALS ▶				82,681.46	81,612.21	1,067.25	167.25	900.00

AUDITED

ACCOUNTING DEP'T.

STATE COMP.

225

THE ABOVE PAYMENT IS CORRECT AND IN
ACCORDANCE WITH CERTIFICATION ON CON-
TRACT CONSTRUCTION PROGRESS VOUCHER
NUMBER   0005   ATTACHED.

LEROY SONNTAG
WHITING , IOWA
DISTRICT 8

FINAL ESTIMATE CONTRACT NO 03024 PROJECT NO FN-61-8/12/--21-31   DATE 09-15-69
CONTRACTOR CULVERT BUILDERS,   TYPE OF WORK   STRUCTURES   PAGE   1

ON US 61 IN SEC.23-88-2E

PROGRAM NO. 422012

* * * NON-PARTICIPATING WORK * * *

ITEM 0001 ACCOUNTING UNIT 01 PARTICIPATION CLASS FN   UNIT RATE   49.00000 ACCOUNTING UNIT DESCR DESIGNS 5368 TO 5968 INCLUSIVE
          DESCRIPTION   RURAL   QUANTITY   AMOUNT
          CONCRETE, STRUCTURAL   CONTRACT   1,378.800   67,561.20   100 %
                                                   ACTUAL   1,378.800   67,561.20   100 %
                                                   UNDERRUN   0.000   0.00   0 %

ITEM 0002 ACCOUNTING UNIT 01 PARTICIPATION CLASS FN   UNIT RATE   0.12000 ACCOUNTING UNIT DESCR DESIGNS 5368 TO 5968 INCLUSIVE
          DESCRIPTION   RURAL   QUANTITY   AMOUNT
          STEEL, REINFORCING   CONTRACT   159,696.000   19,163.52   100 %
                                                   ACTUAL   159,696.000   19,163.52   100 %
                                                   UNDERRUN   0.000   0.00   0 %

ITEM 0003 ACCOUNTING UNIT 01 PARTICIPATION CLASS FN   UNIT RATE   2.00000 ACCOUNTING UNIT DESCR DESIGNS 5368 TO 5968 INCLUSIVE
          DESCRIPTION   RURAL   QUANTITY   AMOUNT
          EXCAVATION, CLASS 20   CONTRACT   1,838.000   3,676.00   100 %
                                                   ACTUAL   2,236.000   4,472.00   121 %
                                                   OVERRUN   398.000   796.00   21 %

ITEM 0004 ACCOUNTING UNIT 01 PARTICIPATION CLASS FN   UNIT RATE   2.00000 ACCOUNTING UNIT DESCR DESIGNS 5368 TO 5968 INCLUSIVE
          DESCRIPTION   RURAL   QUANTITY   AMOUNT
          EXCAVATION, CLASS 10,   CONTRACT   177.000   354.00   100 %
          CHANNEL   ACTUAL   177.000   354.00   100 %
                                                   UNDERRUN   0.000   0.00   0 %

ITEM 8001 ACCOUNTING UNIT 01 PARTICIPATION CLASS FN   UNIT RATE   4.51000 ACCOUNTING UNIT DESCR DESIGNS 5368 TO 5968 INCLUSIVE
          DESCRIPTION   RURAL   QUANTITY   AMOUNT
          WORK ORDER NO. 1 BLANKET   CONTRACT   144.430   651.38   100 %
          FOUNDATION TREATMENT MATERIAL   ACTUAL   144.430   651.38   100 %
                                                   UNDERRUN   0.000   0.00   0 %

          SUBTOTAL ACCOUNTING UNIT 01   AMOUNT
                                                   CONTRACT   91,406.10   100 %
                                                   ACTUAL   92,202.10   100 %
                                                   OVERRUN   796.00   0 %

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IOWA STATE HIGHWAY COMMISSION

RECONCILIATION OF FINAL ESTIMATE

CONTRACT NO. 03742   GRP NO. 1   OBJECT NO. 860   PROJECT NO. S-476/7/--50-71   COST CENTER 801000

ITEM	FUNCT	COUNTY	PARTIC	R/U	P/NP/S	NEW TOTAL	OLD TOTAL	NET
1	430	71	S	R	P	10,675.00	10,818.50	143.50CR
SUBTOTAL						10,675.00	10,818.50	143.50CR
VOUCHER LINES								
1	430		S	R	P	10,675.00	10,818.50	143.50CR
SUBTOTAL FOR ITEM		1				10,675.00	10,818.50	143.50CR
2	430	71	S	R	P	3,671.92	3,671.92	0.00
SUBTOTAL						3,671.92	3,671.92	0.00
VOUCHER LINES								
2	430		S	R	P	3,671.92	3,671.92	0.00
SUBTOTAL FOR ITEM		2				3,671.92	3,671.92	0.00
3	430	71	S	R	P	2,165.80	2,165.80	0.00
SUBTOTAL						2,165.30	2,165.80	0.00
VOUCHER LINES								
3	430		S	R	P	2,165.80	2,165.80	0.00
SUBTOTAL FOR ITEM		3				2,165.80	2,165.80	0.00
4	430	71	S	R	P	3,719.20	3,840.00	120.80CR
SUBTOTAL						3,719.20	3,840.00	120.80CR
VOUCHER LINES								
4	430		S	R	P	3,719.20	3,840.00	120.80CR
SUBTOTAL FOR ITEM		4				3,719.20	3,840.00	120.80CR
5	430	71	S	R	P	929.80	935.80	6.00CR
SUBTOTAL						929.80	935.80	6.00CR
VOUCHER LINES								
5	430		S	R	P	929.80	935.80	6.00CR
SUBTOTAL FOR ITEM		5				929.80	935.80	6.00CR
6	430	71	S	R	P	1,620.00	1,620.00	0.00
SUBTOTAL						1,620.00	1,620.00	0.00
VOUCHER LINES								
6	430		S	R	P	1,620.00	1,620.00	0.00
SUBTOTAL FOR ITEM		6				1,620.00	1,620.00	0.00
7	430	71	S	R	P	168.00	168.00	0.00
SUBTOTAL						168.00	168.00	0.00
VOUCHER LINES								

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CONTRACT NUMBER	PROJECT NUMBER	CONTRACTOR NAME	RCE NAME	WORK CLASS DESCRIPTION
02020	I-80-3(21)122--01-25	MADRID LUMBER CO.	T. E. DE WITTE	BUILDING
02333	F-30-4(2)--20-08	HOLLAND BROTHERS	T. E. DE WITTE	RECONSTRUCTION
02468	F-S-8(5)--20-96	FRED CARLSON CO.,	THOMAS A. JENKINS	GRADE & PORTLAND CEMENT PAVEMENT
02492	F-S-8(1)--20-96	FRED CARLSON CO.,	THOMAS A. JENKINS	GRADING
02538	F-10-3(1)--20-21	CHRISTENSEN BROS.	E. R. LOEBIG	STRUCTURES
02583	I-35-5(12)140--01-40	FRED BEACHNER	JAMES R. BUMP	EROSION CONTROL
02623	S-301(10)--50-74	CARL M. MAUER		P. C. CONC. PAVEMENT
02661	I-235-2(87)79--01-77	AL MUNSON	HAROLD E DOWDEN	GUARD RAIL
C2760	FGN-146-4(1)--23-64	BOSWELL CONTRACTING	JOHN E. PETERS JR.	GRADE & PORTLAND CEMENT PAVEMENT
C2781	I-IG-29-3(5)54--C4-78	HERBERGER	JAMES W. PRESNELL	STRUCTURES
C2801	F-2-9(5)--20-89	FRED CARLSON CO.,	G. M. ORBIN	GRADE & PORTLAND CEMENT PAVEMENT
C2809	I-IG-29-3(5)54--C4-78	VAN BUSKIRK	JAMES W. PRESNELL	GRADING
C2810	I-IG-29-3(12)55--04-78	VAN BUSKIRK CONST CO	JAMES W. PRESNELL	GRADING
02845	FN-92-8(6)--21-54	QUAD CITY	G. M. ORBIN	RECONSTRUCTION
02846	FN-92-9(3)--21-92	QUAD CITY	G. M. ORBIN	RECONSTRUCTION
C2866	UN-150-3(7)--41-57	METRO PAVERS INC.	ROBERT C. FAY	GRADE & PORTLAND CEMENT PAVEMENT
02867	FN-63-5(7)--21-86	FRED CARLSON CO.,	JOHN E. PETERS, JR.	GRADE & PORTLAND CEMENT PAVEMENT
C2886	UN-65-8/9/--41-17	R.J. VICKREY, INC.	ROGER W. GOTSCHALL	STRUCTURES
C2899	S-566/5/--50-24	CARL M MAUER CONST.	WILLIAM C. STONE	P. C. CONC. PAVEMENT
02917	UN-65-8/9/--41-17	ALLIED CONSTR. CO.,	ROGER W. GOTSCHALL	RECONSTRUCTION
C2936	FN-38-2/6/--21-16	WEAVER CONSTR. CO.	ROBERT C. FAY	GRADING

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CONTRACTOR   NAME   ADDRESS
NUMBER

CONTRACTOR

00100   ABEL CONST CO   1815 Y ST
                                           LINCOLN NEBRASKA 68501

ASSIGNEE-1

ASSIGNEE-2

CONTRACTOR

00500   ALLIED CONST CO INC   BOX 152
                                     CHARLES CITY IOWA 50616

ASSIGNEE-1

ASSIGNEE-2

CONTRACTOR

00525   ALLIED STRUCTURAL   1435 165TH ST

WRK CLS	DIST/ RES.	PROJECT NUMBER	ROAD NO.	COUNTY	CONTRACTOR	MILES	COMPL. DATE	TIME ELAPSED	WORK COMPLETE
14	21	I-35-7/8/198--01-17	35	CERRO GORDO	E. M. DUESENBERG INC	4.395	05-16-70	113%	88%
14	21	I-IG-35-7/7/193--04-17	35	CERRO GORDO	E. M. DUESENBERG INC	4.291	06-27-70	101%	57%
14	52	I-35-1/20/5--01-27	35	DECATUR	MOTT CONSTR. CO.,	7.090	05-16-70	111%	96%
14	52	I-IG-35-1/12/0--04-27	35	DECATUR	CENTRAL CONSTR. CO.	5.656	05-30-70	108%	96%
14	45	I-29-1/10/20--01-36	29	FREMONT	VAN BUSKIRK CONST.	6.339	10-03-70	74%	55%
14	64	I-IG-380-6/5/243--04-5	380	JOHNSON	R. B. BURCH, INC.	5.446	05-29-71	20%	26%
14	45	I-29-1/8/27--01-65	29	MILLS	ED MILLER & SONS, INC	6.400	06-06-70	106%	98%
14	45	I-IG-29-2/10/34--04-65	29	MILLS	ED MILLER & SONS, INC	1.431	06-06-70	106%	99%
14	43	I-IG-29-2/11/35--04-65	29	MILLS	H. F. SCHROEDER &	8.230	05-23-70	110%	95% S
14	42	IG-29-3/15/55--02-78	29	POTTAWATT.	CRAMER BROS. CONSTR.	0.042	06-03-72	30%	95%
14	42	I-IG-29-3(5)54--04-78	29	POTTAWATTAM	VAN BUSKIRK	0.753	10-04-69	175%	100%
14	42	I-IG-29-3(12)55--04-78	29	POTTAWATTAM	VAN BUSKIRK CONST CO	0.213	10-04-69	175%	99%
14	62	I-74-1/9/1--01-82	74	SCOTT	R. W. DUNTEMAN CO.	0.998	05-09-70	115%	91%
14	62	I-IG-280-8/37/299--04-	280	SCOTT	R. B. BURCH, INC.	3.018	06-27-70	101%	65%
14	21	I-35-8/6/206--01-98	35	WORTH	* BROWN & LEGUIL, INC.	8.399	05-29-71	20%	26%
14	22	I-35-8/7/214--01-98	35	WORTH	E. M. DUESENBERG INC	5.678	05-01-71	22%	13%
14	21	I-IG-35-8/5/203--04-98	35	WORTH	E. M. DUESENBERG INC	2.706	05-16-70	113%	99%

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SUPPLEMENTAL CONTRACT = S

11   AMES   CONSTRUCTION CONTRACT ASSIGNMENT   MAY 31, 1969   PAGE   2

PROJECT NUMBER	CO NO	RTE NO	PROJ LENGTH	WORK TYPE	CONTRACTOR	PERCENT DONE		ELAPSED TIME	COMPLETE DATE
LSI-35-5(3)120--11-85	85	35	.000	34	SIEDELMANN CONSTR.	99		252%	05-10-68
F-520-4(7)--20-40	40	520	3.513	16	QUAD CITY CONST CO.	13	S	100%	06-01-69
F-520-4(7)--20-40	40	520	.000	06	WELDEN BROTHERS,	100		220%	11-16-68
I-35-5(12)140--01-40	40	35	4.536	11	FRED BEACHNER	0		124%	04-04-69
I-35-5(18)118--01-85	85	35	6.685	11	FRED BEACHNER	91		125%	04-04-69
LSI-35-5(2)--11-85	85	35	.000	11	FRED BEACHNER	102		125%	04-04-69
FN-30-5/13/--21-85	85	30	.000	14	ARMSTRONG CO. INC. &	0		55%	07-15-69
BR-810-0/12/--74-85	85		.260	20	JACKSON CONSTR. CO.,	11		3%	10-25-69
BR-810-0/13/--74-85	85		.133	20	JACKSON CONSTR. CO.,	18		6%	08-16-69
P-115-0/1/--30-85	85	115	1.501	03	IOWA ROAD BUILDERS	0		0%	11-15-69
BR-810-0/15/--74-85	85		1.278	03	IOWA ROAD BUILDERS	0		0%	08-30-69

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SUPPLEMENTAL CONTRACT = S

IOWA STATE HIGHWAY COMMISSION

PROJECT NUMBER	ROAD NO.	COUNTY	WRK TYPE	CONTRACTOR	MILES	COMPLETION DATE	TIME ELAPSED	WORK COMPLETED	CONTRACT VALUE	VALUE REMAINING	
UN-218-7(3)--41-07	218	BLACK H	16	ALLIED CONSTRUCTION	1.048	12-14-68	161%	92%	305,027	25,887	XX
UN-65-8/9/--41-17	65	CERRO G	23	ALLIED CONSTR. CO.,	.469	09-27-69	0%	0%	212,273	212,273	
FN-13-1(4)--21-57	13	LINN	16	ALLIED CONSTRUCTION	.814	06-07-69	59%	32%	187,395	126,675	
				TOTAL FOR CONTRACTOR					704,695	364,835	
SN-2485(4)--51-57		LINN	31	B. L. ANDERSON, INC.	3.017	04-19-69	78%	60%	11,137	4,441	
SN-2659(1)--51-57		LINN	31	B. L. ANDERSON, INC.	1.817	05-24-69	58%	0%	6,381	6,381	
SN-2659(2)--51-57		LINN	31	B. L. ANDERSON, INC.	2.083	05-24-69	58%	0%	7,311	7,311	
				TOTAL FOR CONTRACTOR					24,829	18,133	
FN-30-5/13/--21-85	30	STORY	14	ARMSTRONG CO. INC. &	000	07-15-69	0%	0%	9,946	9,946	
				TOTAL FOR CONTRACTOR					9,946	9,946	
SN-713(2)--51-52		JOHNSON	14	BARKERS, INC.	3.021	12-14-68	161%	102%	71,506	1,729-	XX
SN-1421(1)--51-52		JOHNSON	14	BARKERS, INC.	5.465	11-02-68	208%	67%	78,790	25,658	NOTICE
FN-151-2(13)--21-53	151	JONES	16	BARKERS, INC.	.478	06-07-69	69%	70%	138,531	42,231	
				TOTAL FOR CONTRACTOR					288,827	66,160	
F-3-5(4)--20-12	3	BUTLER	11	FRED BEACHNER	7.664	09-21-68	180%	47%	32,915	17,421	NOTICE
FN-3-5(3)--21-12	3	BUTLER	11	FRED BEACHNER	5.998	04-04-69	85%	20%	25,672	20,577	
I-35-5(12)140--01-40	35	HAMILTO	11	FRED BEACHNER	4.536	04-04-69	85%	0%	34,321	34,321	
I-IG-29-3(9)57--04-78	29	POTTAWA	11	FRED BEACHNER	2.625	04-04-69	85%	0%	34,445	34,445	
FN-6-1/7/--21-78	6	POTTAWA	11	FRED BEACHNER	6.412	09-20-69	0%	0%	92,597	92,597	
I-35-5(18)118--01-85	35	STORY	11	FRED BEACHNER	6.685	04-04-69	84%	60%	104,492	42,046	
LSI-35-5(2)--11-85	35	STORY	11	FRED BEACHNER	000	04-04-69	84%	89%	2,022	226	
				TOTAL FOR CONTRACTOR					326,464	241,633	
I-29-5/25/78--01-43	29	HARRISO	51	DEAN BENNETT LAND-	14.176	11-29-69	0%	0%	49,618	49,618	
				TOTAL FOR CONTRACTOR					49,618	49,618	

TYPE OF WORK	UNIT		QUANTITY	AMOUNT
ASPHALTIC CONC. PAVEMENT	MILES	UNDER CONTRACT	11.035	1,067,803.54
		PLACED THIS MONTH	2.625	254,067.53
		ACCEPTED THIS MONTH	.000	.00
		YEAR TO DATE TOTAL	.000	.00
ASPHALTIC CONC. RESURFACING	MILES	UNDER CONTRACT	.788	40,069.64
		PLACED THIS MONTH	.000	.00
		ACCEPTED THIS MONTH	.000	.00
		YEAR TO DATE TOTAL	.000	.00
STRUCTURES BRIDGE = 3 CULVERTS = 2	TOTAL NUMBER	UNDER CONTRACT	5.000	605,059.06
		PLACED THIS MONTH	.000	.00
		ACCEPTED THIS MONTH	.000	.00
		YEAR TO DATE TOTAL	.000	.00
EROSION CONTROL	MILES	UNDER CONTRACT	15.041	27,899.50
		PLACED THIS MONTH	.000	.00
		ACCEPTED THIS MONTH	.000	.00
		YEAR TO DATE TOTAL	.000	.00
GRADING	MILES	UNDER CONTRACT	2.598	152,884.80
		PLACED THIS MONTH	.000	.00
		ACCEPTED THIS MONTH	.000	.00
		YEAR TO DATE TOTAL	.000	.00
GRADE & PORTLAND CEMENT PAVEMENT	MILES	UNDER CONTRACT	1.659	398,804.85
		PLACED THIS MONTH	.038	9,141.35
		ACCEPTED THIS MONTH	.000	.00
		YEAR TO DATE TOTAL	.000	.00

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DISTRICT   RESIDENCY

ITEM DESCRIPTION	UNIT OF MEASURE		QUANTITY	AMOUNT
ASPHALTIC CONCRETE	TONS	UNDER CONTRACT	9,353.000	60,239.30
		PLACED THIS MONTH	1,010.000	6,388.50
		ACCEPTED THIS MONTH	0.000	0.00
		ACCEPTED THIS YEAR	0.000	0.00
ASPHALT TREATED BASE	TON	UNDER CONTRACT	672,823.000	3,203,270.45
		PLACED THIS MONTH	73,978.250	417,028.62
		ACCEPTED THIS MONTH	0.000	0.00
		ACCEPTED THIS YEAR	0.000	0.00
PRESTRESSED BEAMS	TOTAL	UNDER CONTRACT	79.000	85,300.00
		PLACED THIS MONTH	0.000	0.00
		ACCEPTED THIS MONTH	0.000	0.00
		ACCEPTED THIS YEAR	0.000	0.00
STRUCTURAL CONCRETE	CU YDS	UNDER CONTRACT	21,816.230	1,448,823.21
		PLACED THIS MONTH	2,453.230	150,620.58
		ACCEPTED THIS MONTH	582.800	34,206.52
		ACCEPTED THIS YEAR	582.800	34,206.52
EXCAVATION (GRADING)	CU. YDS	UNDER CONTRACT	8,471,697.000	2,450,958.85
		PLACED THIS MONTH	677,901.000	151,452.24
		ACCEPTED THIS MONTH	0.000	0.00
		ACCEPTED THIS YEAR	0.000	0.00
CONCRETE PAVEMENT	SQ. YDS	UNDER CONTRACT	3,168,778.200	9,378,847.11
		PLACED THIS MONTH	626,081.239	1,738,617.58
		ACCEPTED THIS MONTH	0.000	0.00
		ACCEPTED THIS YEAR	0.000	0.00
PILING	LIN. FT	UNDER CONTRACT	115,780.000	387,823.33
		PLACED THIS MONTH	11,110.800	20,720.86
		ACCEPTED THIS MONTH	0.000	0.00
		ACCEPTED THIS YEAR	0.000	0.00
REINFORCING STEEL	LBS	UNDER CONTRACT	3,431,231.000	404,122.15
		PLACED THIS MONTH	231,526.000	27,775.48
		ACCEPTED THIS MONTH	65,716.000	8,497.44
		ACCEPTED THIS YEAR	65,716.000	8,497.44

CONTRACT NUMBER	GRP NO	PROJECT CONTROL NUMBER	PROJECT NUMBER			LAST INV PROCESSED	ASSIGNEE CODE	RCE COST CENT	SUPPL. FLAG
02621		25070636008	F-U-63-6(8)--25-07					522500	X

RCE NAME	RCE ADDRESS	BEGIN DATE	END DATE	DATE LAST INVOICE	EXTRA DAYS	LAST INV NO.	FINAL FLAG	CMPL FLAG	CANC FLAG	DIVISIONS	MILES	BRIDGES	CULV
CLARE SCHROEDER	WATERLOO, IOWA	081268	113068	030569	024	0001		1		02	4.006		

CONTRACT AMOUNT	WORK CLASS CODE	WORK CLASS DESCRIPTION			CONTRACTOR NUMBER	CONTRACTOR NAME
893,827.29	20	P. C. CONC. PAVEMENT			06700	FRED CARLSON CO.,

CONTRACTOR ADDRESS 1	CONTRACTOR ADDRESS 2	CONTRACTOR ADDRESS 3	DESIGN NUMBER	LAST VOUCH NUMBER	ACCUM. RETENT FOR CONTRACT	MAX. RETENT FOR CONTRACT	NORMAL RETENT
INC.	BOX 48	DECORAH, IOWA 52101		007	45,138.83	45,319.78	10.000%

SPEC. RETENT
5.000%

CLAIMANT NAME AND ADDRESS

DIVISION NUMBER AND NAME	OBJECT CODE	PRIMARY OR FM COST CENTER	LIQD DMGES
	868	611000	0.00

LOCATION OF WORK DESCRIPTION

* - - - - - - - - LINE 1 - - - - - - - - - - - - - - - - - - * * - - - - - - - - - - - - - - - LINE 2 - *

ON RELOCATION OF US 63 FROM IOWA 412 NORTHEASTERLY TO   RANDALL ST. IN WATERLOO

ITEM NO.	ITEM CODE	ITEM DESCRIPTION LINE 1	LINE 2	COUNTY NO.	COUNTY NAME	ITEM QUANTITY
0001	2750000	EXCAVATION, CLASS 10, RDWY. & BORROW		07	BLACK HAWK	91,644.000

AUTHORIZED ITEM QUANTITY	ITEM CONT. AMOUNT	EXTRA WORK ORDER NUMBER	SUPPLEMENTAL CONTRACT ITEM QUANTITY	CANCEL ITEM FLAG
91,794.000	59,568.60		0.000	

* - - - - - - - - - - - - - - - OLD QUANTITIES - - - - - - - - - - - - - - - - - - *

RURAL P	RURAL NP	RURAL S	URBAN P	URBAN NP	URBAN S
23,224.500	0.000	0.000	69,558.330	0.000	0.000

* - - - - - - - - - - - - - - - OLD AMOUNTS - - - - - - - - - - - - - - - - - - *

RURAL P	RURAL NP	RURAL S	URBAN P	URBAN NP	URBAN S
15,095.92	0.00	0.00	45,212.91	0.00	0.00

* - - - - - - - - - - - - - - - NEW QUANTITIES - - - - - - - - - - - - - - - - - - *

RURAL P	RURAL NP	RURAL S	URBAN P	URBAN NP	URBAN S
23,224.500	0.000	0.000	69,558.330	0.000	0.000

* - - - - - - - - - - - - - - - NEW AMOUNTS - - - - - - - - - - - - - - - - - - *

RURAL P	RURAL NP	RURAL S	URBAN P	URBAN NP	URBAN S
15,095.92	0.00	0.00	45,212.91	0.00	0.00

UNIT PRICE	UNIT OF MEASURE CODE	UNIT OF MEASURE DESCR.	FCT. CODE	ACCUM. RET FOR ITEM	ACCTG UNIT	ACCOUNTING UNIT DESCRIPTION	PARTIC. CODE	PARTIC. CLASS
0.65000	01	CU YD	410	8,361.01	01		1	25

TYPE OF WORK	INTER-STATE	PRIMARY	FARM TO MARKET	PRIMARY AND FARM TO MARKET	TOTAL FOR TYPE OF WORK
ASPHALTIC CONC. PAVEMENT	0.000	10.389	110.686	121.075	121.075
ASPHALTIC CONC. RESURFACING	41.632	99.732	75.356	175.088	216.720
BITUMINOUS SURFACING	0.000	0.000	0.000	0.000	0.000
FLEXIBLE BASE & BITUMINOUS SURF.	0.000	0.000	21.009	21.009	21.009
STRUCTURES	88	135	54	189	277
GRADING	28.569	68.873	166.214	235.087	263.656
P. C. CONC. PAVEMENT	80.421	20.282	189.602	209.884	290.305
P.C. CCNC PAVT WIDEN & A.C. RESURF	0.000	0.000	0.000	0.000	0.000
RECCNSTRUCTION	0.645	65.055	0.000	65.055	65.700
SURFACING	8.814	28.022	86.865	114.887	123.701

CONSTRUCTION WORK COMPLETED
PRIMARY ROAD SYSTEM
JULY 1, 1968 – JUNE 30, 1969

PROGRAM NO. 422086

COUNTY	A.C. PAVEMENT	A.C. RESURFAC-ING	BITUMINOUS SURFACING	BRIDGES	CULVERTS	EROSION CONTROL	FENCING	GRADING	GRADE AND P.C. CONCRETE PAVEMENT	P.C. CONCRETE PAVEMENT
	MILES	MILES	MILES			MILES	MILES	MILES	MILES	MILES
DICKINSON		1.233								
DUBUQUE		9.471								
FAYETTE					1				.891	
FREMONT					9	12.657			.181	
GRUNDY				2	6					
HAMILTON										
DISTRICT 3				1		3.513			3.513	
DISTRICT 4		.485		1	1	.338			.706	
DISTRICT 5		18.053				5.039				
IOWA		10.448								
JACKSON		3.346								
JASPER		4.858				.265		.265		
JEFFERSON		.727		2	2	1.974				
JOHNSON				1						
JONES					1			.136	.501	.142
KEOKUK					2	.258		3.088	.478	
LEE		12.486			1				1.000	
LINN		.635		4	1					
LOUISA				1	1				.974	
MADISON		1.570								
MAHASKA				1	2					
MARION				2						
MARSHALL				3		2.422			.519	
POTTAWATTAMIE		4.729			1			1.572		