LAKE COUNTY SOFTWARE MAINTENANCE AND SUPPORT AND PROFESSIONAL SERVICES AGREEMENT # 12124

This Agreement is entered into by and Lake County (County), and Manatron, Inc. – A Thomson Reuters Business (Contractor)

RECITALS

WHEREAS, Lake County is seeking a contractor to provide an software maintenance for the computer assisted mass appraisal system and the open tax file for Lake County; and

WHEREAS, the Contractor has licensed said software to Lake County and has the ability to provide maintenance and support services on said software; and

WHEREAS, Lake County also desires certain additional professional services to be provided, as defined in Exhibits A and B below, and the Contractor has the ability to provide these services as defined in the Agreement Documents.

NOW THEREFORE, Lake County and the Contractor AGREE AS FOLLOWS:

SECTION 1. AGREEMENT DOCUMENTS

The Agreement Documents that constitute the entire agreement between Lake County and the Contractor are:

A. This Agreement.
B. Exhibit A: Lake County Access conversion.
C. Exhibit B: Project Schedule

In the event of conflict between the documents above, they are listed in the order of precedence.

SECTION 2. SCOPE OF WORK

The contractor shall provide software maintenance and support services for the following products:

IT Department

- Ascend-Assessment Support
- Ascend-Tax Sale Support
- Ascend Treasury Support
- Ascend Checkbook Support
- Ascend Levy Support – To be billed at $0.00 upon completion of testing.
- Newera-Support

Assessor

- Proval CAMA-Support
- Proval CAMA Rate Table-Support

SECTION 3. DURATION

The contract will commence upon execution and shall be in effect for a one year period. Lake County reserves the right to automatically renew this contract for four additional one year periods, subject to acceptable performance by the contract. At the end of any contract period Lake County reserves the right to extend this contract for a sixty day period for the purposes of getting a new contract in place. At the end of any contract period this agreement is subject to the appropriation of sufficient funds.

SECTION 4. INDEMNIFICATION

The Contractor agrees to indemnify, save harmless and defend Lake County, its agents, servants, and employees, and each of them against and hold it and them harmless from any and all lawsuits, claims, demands, liabilities, losses and expenses, including court costs and attorney's fees, for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise or which may be alleged to have arisen out of or in connection with the work covered by this Agreement. The foregoing indemnity shall apply except if such injury, death or damage is caused directly by the willful and wanton conduct of the Lake County, its agents, servants, or employees or any other person indemnified hereunder.

SECTION 5. INSURANCE

The Contractor shall maintain for the duration of this Agreement and any extensions thereof insurance issued by a company or companies qualified to do business in the State of Illinois, in the following types and amounts:

- **Workmen's Compensation Insurance** covering all liability of the Contractor arising under the Workmen's Compensation Act and Workmen's Occupational Disease Act; limits of liability not less than statutory requirements.
- **Professional Liability** to include, but not be limited to, coverage for Errors and Omissions to respond to claims for loss there from:

General Aggregate Limit	**$ 2,000,000**
Each Occurrence Limit	**$ 1,000,000**

- **Comprehensive General Liability** in a broad form, to include, but not be limited to, coverage for the following where exposure exists: Premises/Operations, Independent Contractors, Products/Completed Operations, Personal Injury and Contractual Liability, limits of liability not less than:

General Aggregate Limit	**$ 2,000,000**
Each Occurrence Limit	**$ 1,000,000**

Contractor agrees that with respect to the general liability insurance, the County shall be:

- named as additional insured **by endorsement** as their interest may appear;
- provided with thirty (30) days notice, in writing, of cancellation or material change;
- provided with Certificates of Insurance evidencing the above-required insurance, prior to commencement of this Agreement and thereafter with certificates evidencing renewals or replacements of said policies of insurance at least thirty (30) days prior to the expiration of cancellation of any such policies.
- Forward Notices and Certificates of Insurance to: Lake County Purchasing Division, Attn: Purchasing Agent, 18 No. County St. – 9th Fl., Waukegan, IL 60085-4350.

Failure to Comply: In the event the Contractor fails to obtain or maintain any insurance coverage's required under this agreement, the County of Lake may purchase such insurance coverage's and charge the expense thereof to the Contractor.

SECTION 6. AGREEMENT PRICE

IT Department – The Support dollars listed below apply to a March 1st – February 28th Annual Term

Description	2012 FEES
Ascend-Assessment Support	$191,200.00
Ascend Treasury	$0.00
Ascend Checkbook	$0.00
Ascend Levy	$0.00
Ascend-Tax Sale Support	$12,998.00
Newera-Support	$13,684.00
Total Support to IT Department	$217,882.00

Assessor - The Support dollars listed below apply to a January 1st – December 31st Annual Term

Description	2012 FEES
Proval CAMA-Support	$75,107.00
Proval CAMA Rate Table-Support*	$44,838.00
Total Support to Assessor	$119,945.00

*Based on Marshall & Swift End User License Agreement. Increases based on parcel counts by type of property. $0.20/parcel for residential parcels, $0.23/parcel for commercial/industrial parcels, and $0.18/parcel for agricultural parcels. Prices listed above for Marshall & Swift subject to annual increases.

SECTION 7. JURISDICTION, VENUE, CHOICE OF LAW:

This contract shall be governed by and construed according to the laws of the State of Illinois. Jurisdiction and venue shall be exclusively found in the 19th Judicial Circuit Court, State of Illinois.

SECTION 8. TERMINATION

The County reserves the right to terminate this contract, or any part of this contract, upon thirty (30) days written notice. In case of such termination, the Contractor shall be entitled to receive payment from the County for work completed to date in accordance with the terms and conditions of this contract. In the event that this Contract is terminated due to Contractor's default, the County shall be entitled to purchase substitute items and/or services elsewhere and charge the Contractor with any or all losses incurred, including attorney's fees and expenses.

SECTION 9. INDEPENDENT CONTRACTOR

The Contractor is an independent contractor and no employee or agent of the Contractor shall be deemed for any reason to be an employee or agent of Lake County.

SECTION 10. WARRANTS

The Contractor represents and warrants to Lake County that none of the materials will in any way infringe upon the property rights of others. The Contractor shall defend all suits or claims for infringement of any patent, copyright or trademark rights and shall hold the County harmless from loss on account thereof.

SECTION 11. ASSIGNMENT

Neither the Contractor nor Lake County shall assign any duties of performance under this Agreement without the express prior written consent of the other.

SECTION 12. MODIFICATION
This Agreement may be amended or supplemented only by an instrument in writing executed by the party against whom enforcement is sought.

SECTION 13. DISPUTE RESOLUTION
All issues, claims, or disputes arising out of this Agreement shall be resolved in accordance with the Appeals and Remedies Provisions in Article 8 of the Lake County Purchasing Ordinance.

SECTION 14. NO IMPLIED WAIVERS
The failure of either party at any time to require performance by the other party of any provision of this Agreement shall not affect in any way the full right to require such performance at any time thereafter. Nor shall the waiver by either party of a breach of any provision of this Agreement be taken or held to be a waiver of the provision itself.

SECTION 15. SEVERABILITY
If any part of this Agreement shall be held to be invalid for any reason, the remainder of this Agreement shall be valid to the fullest extent permitted by law.

SECTION 16. DOCUMENTATION
The Application Software documentation (referred to as 'Documentation") shall include, but not be limited to the following components: narrative description of the system, narrative description of the applications including installation, configuration, administration and reports The Contractor shall provide two sets of Documentation. The County may make additional copies of Documentation for its internal use without obtaining permission from the Contractor.

SECTION 17. MODIFICATIONS AND ADDITIONAL SERVICES
Any consulting services beyond the scope of the contract that are requested by Lake County shall be provided by the Contractor on a time and materials basis. Said billing rates shall remain at those rates until one year from the execution of the Contract at which time the Contractor will provide time and materials assistance at the rate charged to other Contractor customers for similar services.

Prior to commencement of any additional services, the Contractor shall provide a detailed statement of work with a project plan in writing the labor hours, billing rate, description of services and/or work to be performed, the changes or additions to the software, the way in which the software will function upon completion of the modifications, and the estimated time period for the services to be performed. Lake County shall not be charged for any services until the additional services are approved by Lake County personnel in writing. Only after the Contractor receives approval in writing from Lake County will the Contractor perform the additional services.

SECTION 18. OUT-OF-POCKET EXPENSES
All mutually agreed upon travel or other customary out-of-pocket expenses incurred by the Contractor during the performance of this Agreement will be reimbursed by the County as incurred..

SECTION 19. LICENSE
The Contractor hereby restates that it has granted Lake County a perpetual, nontransferable, nonexclusive license under the terms of this Agreement to use the Application Software on the Network. Lake County shall have the absolute right to upgrade or replace any equipment in the Network and continue to use the Application Software on the Network. Lake County shall not be required to pay the Contractor any additional

licensing fee or other fees as a result of using the Application Software in conjunction with the upgraded or replacement equipment on the Network. If the Contractor is required to provide any services to assist with the upgrade or replacement of the equipment, the Contractor may charge Lake County for such service on a time and materials basis.

SECTION 20. DEFAULT

1. By Lake County. The nonpayment or nonperformance of any obligation of Lake County shall not be deemed a default unless Lake County fails to cure the default within thirty (30) days after written notice to Lake County of such nonpayment or nonperformance. If Lake County fails to cure such default, then the Contractor may discontinue any and all licenses for the Application Software or terminate this Agreement and pursue any remedy available to it by law in addition to any specific rights or remedies set forth in this Agreement.

2. By the Contractor. The nonperformance of any obligation by the Contractor shall not be deemed a default unless the Contractor fails to cure the default within forty five (45) days after written notice to the Contractor of such nonperformance; provided, however, the Contractor's time to cure a default under Acceptance Testing shall be the time set forth in that section.

If the Contractor fails to cure such default, ceases conducting business in the normal course, becomes insolvent, makes a general assignment for the benefit of creditors, suffers or permits the appointment of a receiver for its business or assets, or avails itself of or becomes subject to any proceeding under the Federal Bankruptcy Act or any other statute of any state relating to insolvency or the protection of the rights of creditors, then Lake County at its sole option may do any one or more of the following: (i) terminate this Agreement; (ii) suspend any payments due under the Agreement; (iii) pursue any remedy available to it by law in addition to any specific rights or remedies set forth in this Agreement; (iv) continue to use the Application Software and Documentation for as long as Lake County deems necessary for the sole purpose of operating Lake County's business needs.

SECTION 21. PROTECTION AND SECURITY

Lake County agrees not to provide or otherwise make available any Application Software or Documentation, including but not limited to flow charts and logic diagrams, in any form, to any person other than Lake County or the Contractor employees without prior written consent from the Contractor, except during the period any such person is on Lake County's premises with the Lake County's permission for purposes specifically related to the customers use of the licensed program or optional materials.

SECTION 22. DELIVERY COSTS

The Contractor shall be responsible for the cost of producing and delivering the Software and Documentation to Lake County's facility in the agreed upon medium.

SECTION 23. RISK OF LOSS

If any Software or Documentation is lost or damaged during shipment, the Contractor shall replace the Software or Documentation and storage media at no additional charge to Lake County.

SECTION 24. DISCONTINUANCE

Within two (2) months after the date of discontinuance of any license under this Agreement, Lake County will furnish the Contractor with a registered letter certifying that through its best effort, and to the best of its knowledge, the original and all copies, in whole or in part, in any form, including partial copies in modifications, of the Software and any Documentation received from the Contractor or made in connection with such license have been destroyed or returned.

SECTION 25. INFORMATION SECURITY

In the process of performing services to Lake County the Contractor may come in contact with information deemed important and proprietary to Lake County. The Contractor agrees that any services performed for Lake County, whether on Lake County premises or not, will meet or exceed Lake County's information security policy and privacy standards. Lake County reserves the right to audit Contractor's performance in meeting these standards.

SECTION 26. ADDITIONAL SERVICES

Lake County reserves the right to withhold a portion of the payment for service for the Ascend product until the attached Exhibit A, to implement the levy extension functionality project has begun. Lake County agrees to work with the Contractor to begin implementation of the services as described in project schedule (Exhibit B).

SECTION 27. INVOICES & PAYMENT

Payments shall be made in accordance with the Local Government Prompt Payment Act. A purchase order will be issued for payment purposes, reference purchase order number on all invoices. The above stated Application Support total price (Excluding Marshall & Swift Annual Fees) in Section 6 is for the first twelve (12) months this Agreement is in effect. After the first twelve month term, the Contractor shall be entitled to an annual Cost of Living Allowance increase of no more that 2% annually for each additional twelve month term.

IN WITNESS HEREOF, the undersigned have caused this Agreement to be executed in their respective names on the dates hereinafter enumerated.

Lake County:	The Contractor:
_____	_____
RuthAnne Hall	John R. Hansen
Purchasing Agent	V.P. of Risk Management
Lake County	Manatron, Inc. – A Thomson Reuters Business
Date _____	Date July 3, 2012

NON-DISCLOSURE AGREEMENT

Lake County and (Contractor) hereby agrees to abide by the following terms and conditions with regards to any information or records, including electronically stored data or media, that the Contractor, receives from Lake County ("County"), the employees or agents of Lake County pursuant to the Agreement between Lake County and Manatron, Inc. – A Thomson Reuters Business.

This Agreement shall apply to the performance of services as agreed and as are actually performed. The County and the Contractor agree and understand that the rendering of services by the Contractor, pursuant to this Agreement shall in no way alter the County's exclusive supervision, management, and control of their property and records.

The Contractor, agrees not to reproduce, copy, sell, assign, license, market, transfer, give or otherwise disclose or engage in any unauthorized use of records or information received from the County, the employees or agents of Lake County during the performance of or as the result of the attached Agreement between Lake County and the Contractor, for the E-Mail Archiving Solution. The Contractor further agrees not to disclose any information or records provided by the County, the employees or agents of Lake County to any third parties without the express written consent of the County Administrator for Lake County. The Contractor agrees to use safeguards to prevent the unauthorized use or disclosure of the records or information provided by Lake County. The Contractor, will instruct its personnel to keep all such records and information confidential and to use the same care and discretion with those records and information as they would use with data belonging to the Contract that Manatron, Inc. – A Thomson Reuters Business, has designated as confidential.

If Manatron, Inc. – A Thomson Reuters Business, receives a third party request for the County's records, including any request pursuant to the Illinois Freedom of Information Act, the Contractor, agrees to refer that party to the County Administrator so that the County may respond to said request.

The Contractor agrees to immediately notify the County Administrator if it becomes aware of any unauthorized use or disclosure of records or information belonging to the County. The Contractor further agrees that it will destroy or return any records or copies of records, including electronically stored data or media that it received from the County, the employees or agents of Lake County within 60 days from the termination of the professional services contract. If said destruction is not witnessed by an agent, employee or officer of the County, the Contractor, will send the County Administrator written notification confirming the destruction of said records within five days from the date of destruction.

In the event that the Contractor, commits a breach of this agreement, the County shall retain the right to pursue all legal remedies at law or equity, including monetary damages and/or injunctive relief for that breach the Contractor, shall further be obligated to indemnify, save harmless and defend Lake County, its agents, servants, employees as provided in the original Agreement between the Contractor, and the County.

This Agreement may not be modified, nor shall any provisions hereof be waived or amended, except in writing duly signed by authorized representatives of both the County and Manatron, Inc. – A Thomson Reuters Business.

County of Lake County

Name: _____

Signature:_____

Title:_____

Acceptance: Date: _____

Manatron, Inc. – A Thomson Reuters Business

Name: John R. Hansen

Signature:_____

Title: V.P. of Risk Management

Acceptance: Date: July 3, 2012

Exhibit A: Lake IL ACCESS conversion:

Overview:

This document follows the flow of data through ASCEND used by the southern IL counties and separates the flow into distinct topics. It should provide us with a road map for the conversion from ACCESS.

There are three different challenges for the conversion:

1. Identify and address differences between SQL Server and Informix as they impact the ASCEND processes.
2. Identify and address gaps between Lake and the southern counties.
3. Re-configure Lake data.

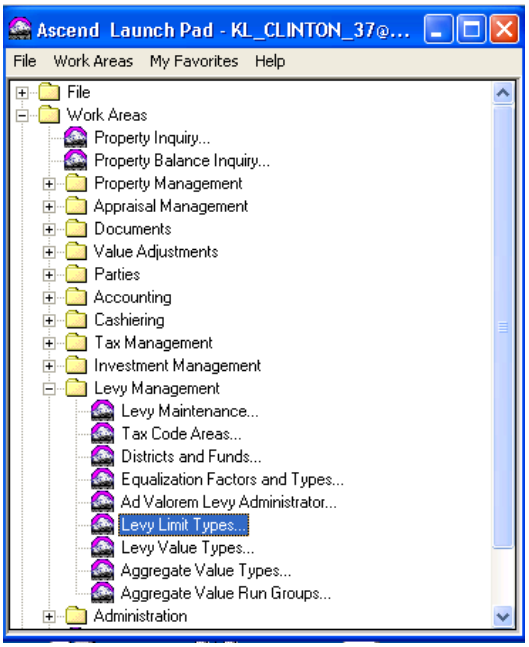
We should test the whole levy cycle, topic by topic, with a minimum of data configuration. We can identify problems early in the conversion. Once we have a done a full test of each of the processes using minimum data configuration, we will address the full configuration of data for the conversion. This should give us the best opportunity to automate the ASCEND configuration using ACCESS.

The topics are:

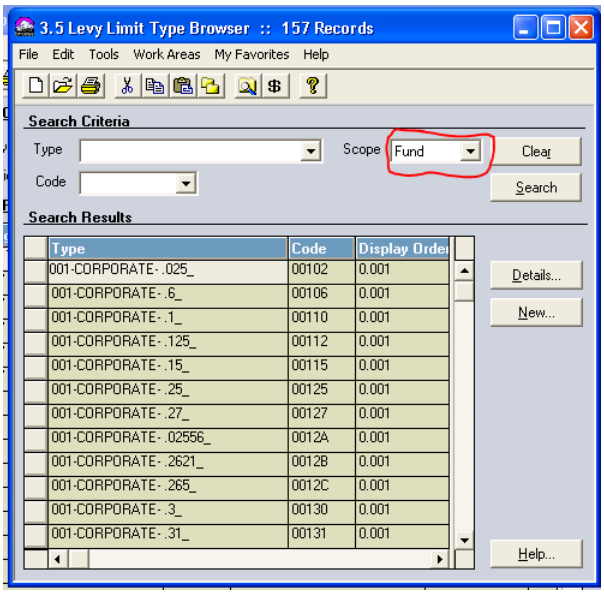
Fund Rate Limit
Request Rates
Limited Rates
Road and Bridge
Street and Bridge split rates by Township
PTELL
TNT (Truth in Taxation)
WCS (WouldaCouldaShoulda)
USER INPUT (Override)
ROUNDING
TIF
RAILROADS
REPORTS
COOK County Rules

At this time, most of this document consists of shots of ASCEND screens with southern county data. This gives the user an idea of where the data resides and how ASCEND works. Over time this document should change and show Lake specific data and include Lake specific notes. It should evolve into a LAKE specific levy cycle document

FUND RATE LIMITS:
ASCEND has always had LEVY LIMITS. This area is expanded to now include FUND limits.

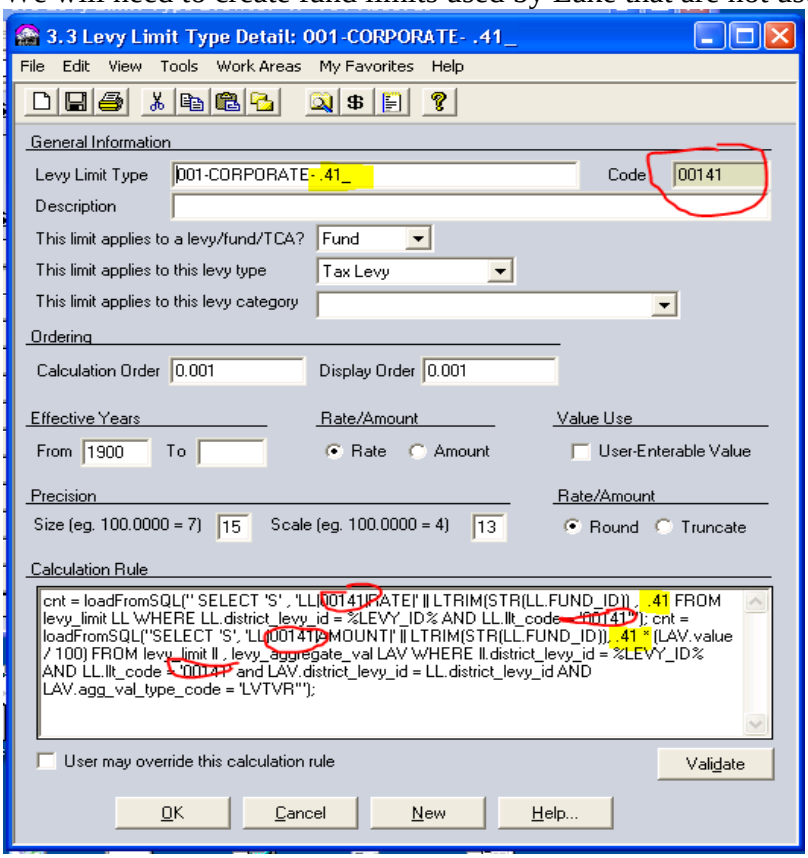


Now funds have their own limits:



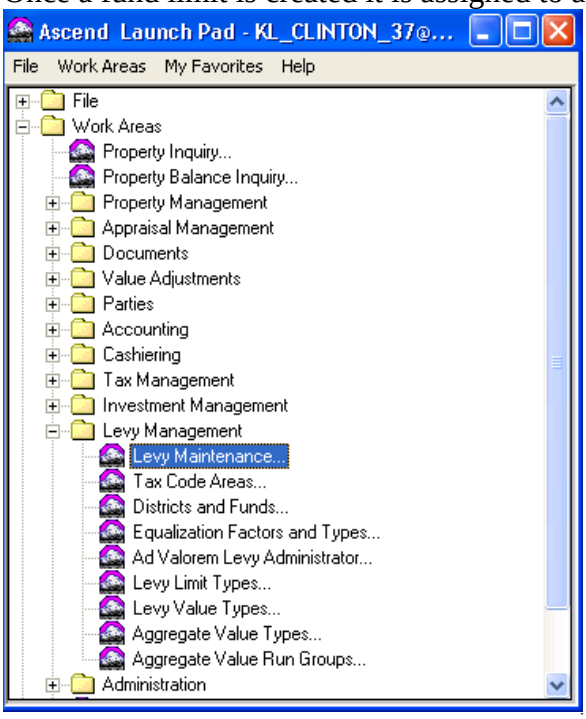
We currently have over 150 fund rate limits defined.

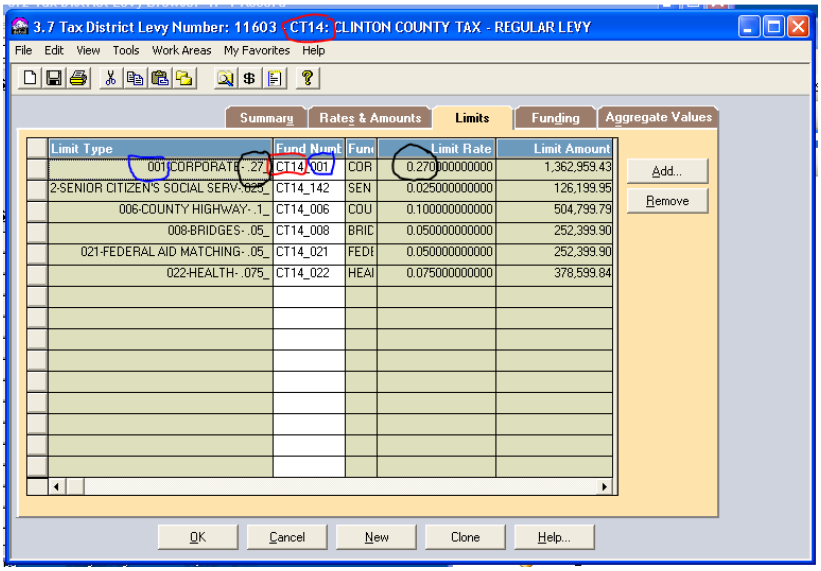
We will need to create fund limits used by Lake that are not used in the south.



The ‘Type’ follows the form where the first 3 characters represent the STATE code type (001 for Corporate), a dash, a description followed by a dash, the rate limit followed by an underscore. Each rate limit has a calculation rule that follows the same form. Only the red circled code and the yellow highlighted rate change from type to type. This may give us an opportunity to create missing types using automation (ACCESS and/or EXCEL).

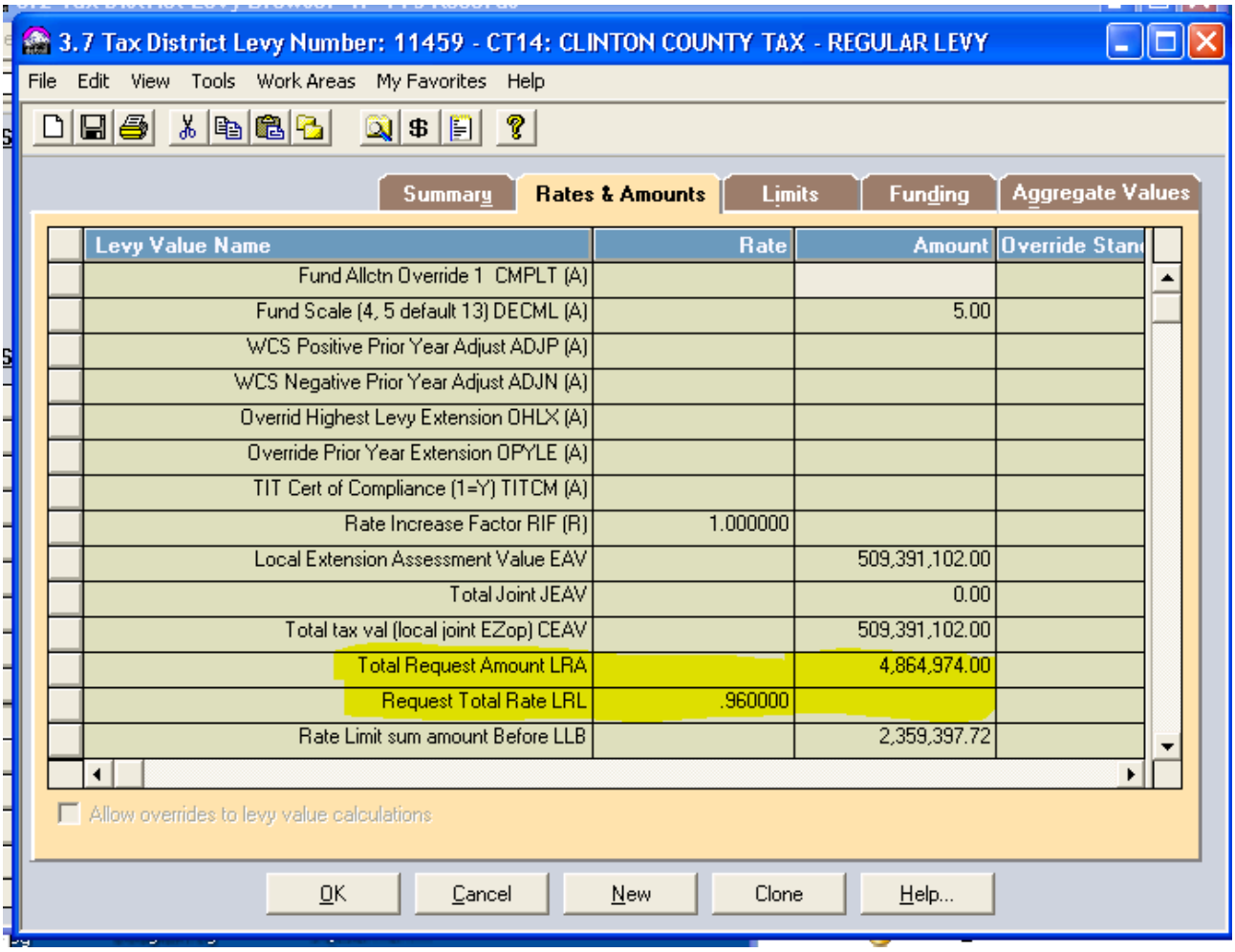
Once a fund limit is created it is assigned to a levy:



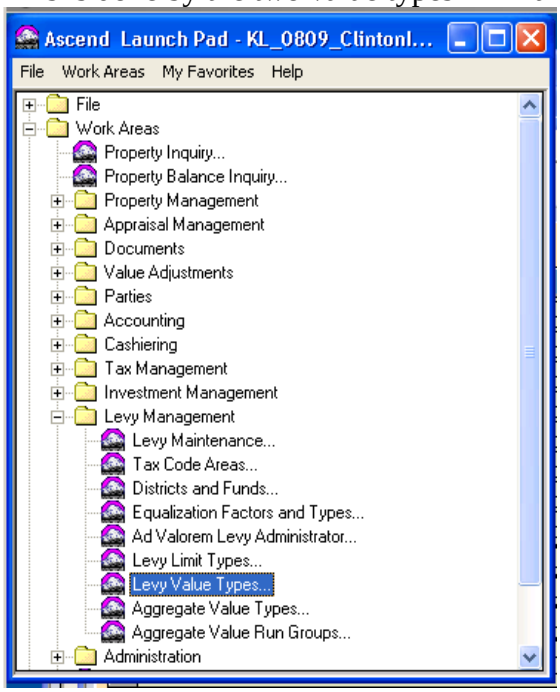


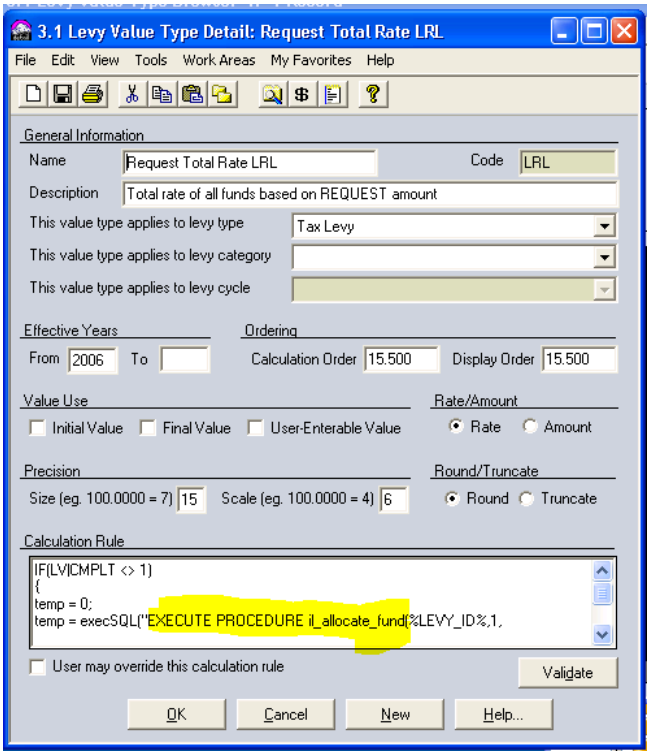
The limit is added to the levy then assigned to a fund number. The columns LIMIT RATE and LIMIT AMOUNT are calculated when the second button of the Levy Management/Ad Valorem Levy Administrator – **Calculate Levy Limits** – is pushed.

Request Rates
The next step is to calculate the fund rates based on the request amounts.



This is done by the two value types LRA and LRL:





For each of the processes that impact the final fund amount there is a specific procedure. Each procedure will need to be modified by our engineers and tested. The procedures also create data for audit mechanisms (see il_fund_alloc).
There are approx 12 procedures written in SQL Server that will need to be converted to INFORMIX. The following is the procedure called for the calculation of the request rate. Manatron will be responsible for updating and maintaining all procedures. This is presented only as an example of the types of modifications that may be necessary to accommodate both the needs of Lake County and the southern counties. The highlighted areas are topics that will need to be discussed during the conversion. I.E. The gravel fund has some specific calculations that Lake needs to be aware:

```
USE [KL_0809_ClintonIL]
GO
/****** Object:  StoredProcedure [dbo].[il_allocate_fund]    Script Date: 07/21/2010 16:14:17 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
ALTER       PROCEDURE [dbo].[il_allocate_fund]
             @pLevyId integer,
             @pOrd DECIMAL (3,2),
                 @pTotalBasis VARCHAR(5),
             @pLocalBasis VARCHAR(5)
--
--$Header:   P:/pvcsproj/Ascend33/sqlserversql/archive/s_22053_il_allocate_fund.sqv   3.0   25 Feb
2008 11:18:46   tonym  $
--
-- Created 20070224 by Kurt Layman
-- Updated 20080121 by Kurt Layman
-- updated 20080807 by Kurt Layman
-- Fix for arithmetic overflow data condition Step 5
-- Fix for recalculation and Gravel fund type HWGVL Step 5
--
--Update 20100602 by Kurt Layman
-- Fix display decimal rate (return @TotalRate
-- instead of @TotalAmount
--
-- Called by levy value type: 'LRL'
```

/* This procedure calculates and populates the initial levy_rate and levy_amounts for
the tax_levy_fund table. The user can override the fund calculations. As an audit trail, this
and other procedures use the table il_fund_alloc to track the calculations done by ASCEND.
This procedure does the initial calculation of fund rate and fund amounts.
Most funds start with a user entered request amount (tlf.levy_request). The procedure then
calculates the initial tlf.levy_amount and tlf.levy_rate. The exception is funds with a fund type
of 'HWGVL'. These may have a user entered request amount. If so, they are calculated with the
other funds. In the absence of a request, the tlf.levy_amount
is the default. In the absence of a tlf.levy_amount the levy_limit rate is used.
With the exception of gravel/HWGVL, the first step is to calculate a request rate.

The user can always override ASCEND fund calculations by inputting the fund final amount
tlf.levy_amount AND setting
the levy value type 'CMPLT' to 1

For a given levy with a non zero assessment basis
  For each fund
    If there is a non zero request
      Do initial calculations for levy_amount, levy_rate, local tax, and total tax
      using the request amount
    Else
      If the fund type is 'HWGVL'
        If the levy_rate is null
          Set the levy_rate to the levy_limit.limit_rate
        Do initial fund calculations for levy_amount and levy_rate using the levy_rate
    UPDATE tlf records
    INSERT il_fund_alloc records
 The request rate is calculated on the larger of eav or ceav. ceav includes joint values.
 The levy amount is calculated on local (eav) value.
 Returns the sum of all rates calculated on request.
 1. Declare Variables
 2. Set Beginning Values
 3. Clean Data tax_levy_fund and il_fund_alloc
 4. Declare Fund Loop
 5. Calc fund rate for funds with request
 6. Check for 'HWGVL' when no request
 7. Calc fund rate for funds without request and 'HWGVL'
 6. Update tax_levy_fund levy_rate and levy_amount
 7. Insert rate and amount audit record il_fund_alloc
 8. Close loop
 9. Retrieve and return request rate
Example of calling levy value FUNL:
--temp = execSQL("EXECUTE PROCEDURE il_allocate_fund(%LEVY_ID%, 'CEAV','EAV',1)");
-- demo data
--   @pLevyId integer,   355
--   @pTotalBasis VARCHAR (5)   CEAV
--   @pLocalBasis VARCHAR(5)   EAV
*/

```
AS
BEGIN --A
-- 1. Declare Variables
-- levy
DECLARE @LevyId integer
DECLARE @FundScale integer
DECLARE @TotalBasis decimal (28,2)
DECLARE @LocalBasis decimal (28,2)

--tax_levy_fund
DECLARE @tlfId integer
DECLARE @FundID integer
DECLARE @FundRequestAmt decimal(28,2)
DECLARE @FundAmount decimal (28,2)
DECLARE @FundRate decimal(28,14)
                                -- 5
--calculated
DECLARE @RequestRate decimal (28,14)
DECLARE @TotalAmount decimal (28,2)
DECLARE @TotalRate decimal (28,14)

-- 2. Set Beginning Values
SET NOCOUNT ON
SET @LevyId = @pLevyId
-- get @TotalBasis CEAV 91088612.00000000000000
SET @TotalBasis = ISNULL((
  SELECT lv.value
  FROM levy_value lv
  WHERE lv.district_levy_id = @pLevyId
  AND lv.levy_val_type_code = @pTotalBasis
  ), 0)
-- get @LocalBasis EAV 91088612.00000000000000
SET @LocalBasis = ISNULL((
   SELECT lv.value
   FROM levy_value lv
   WHERE lv.district_levy_id = @pLevyId
   AND lv.levy_val_type_code = @pLocalBasis
   ), 0)
--   get @FundScale
SET @FundScale = (
   SELECT CASE
     WHEN lv.value = 4 THEN 4
     WHEN lv.value = 5 THEN 5
   ELSE 13 END
   FROM levy_value lv
   WHERE lv.district_levy_id = @pLevyId
   AND lv.levy_val_type_code = 'DECML'
   )
```

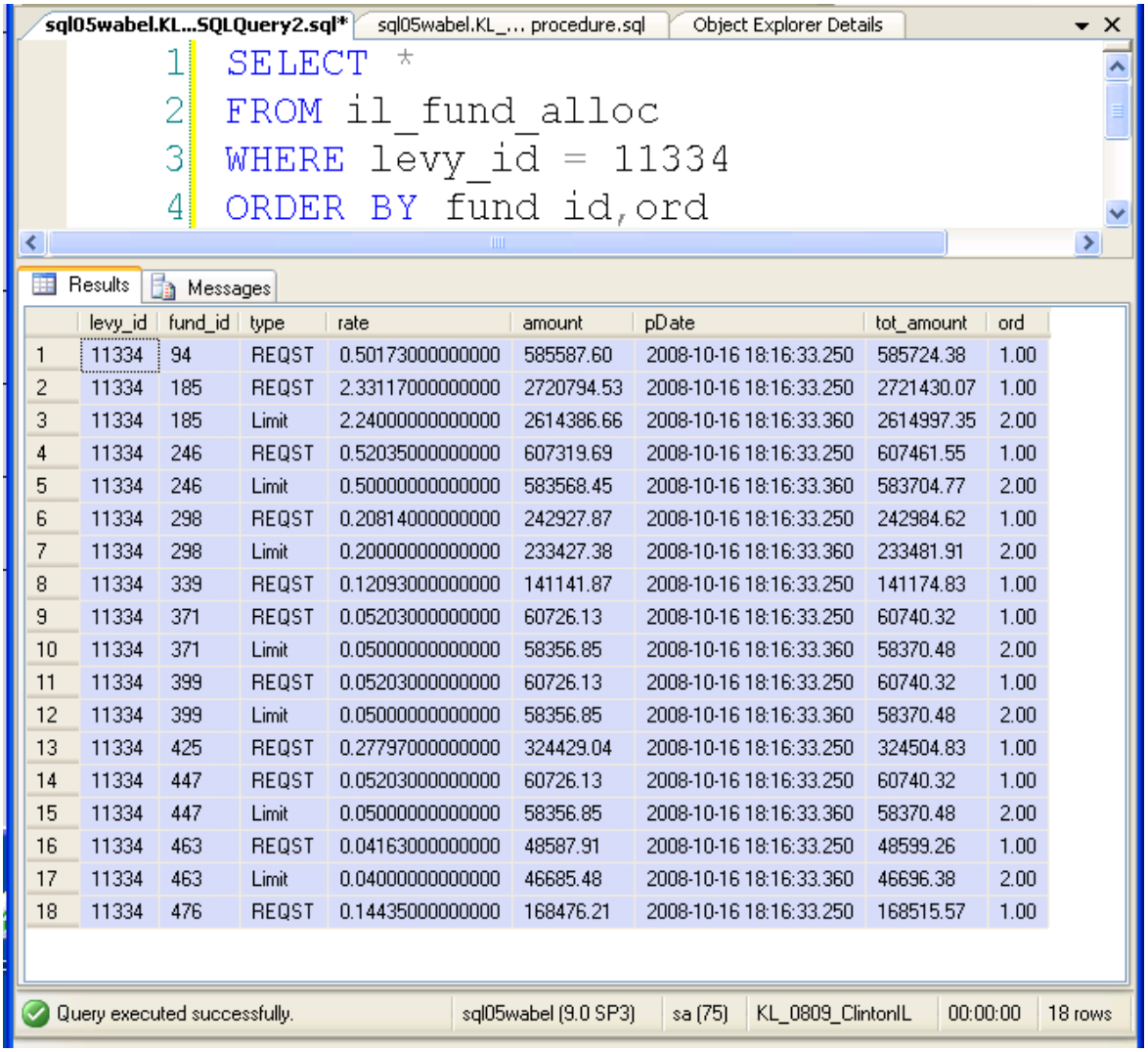
```
-- 3. Clean Data tax_levy_fund and il_fund_alloc
UPDATE tax_levy_fund SET levy_amount = NULL
  WHERE district_levy_id = @pLevyId

-- changed 20080121 do not delete gravel levy rate
-- changed 20080805 to delete gravel levy rate
--   IF @LocalBasis > 0
UPDATE tax_levy_fund SET levy_rate = NULL
  WHERE district_levy_id = @pLevyId
--       AND fund_id NOT IN (
--         SELECT id FROM tax_fund
--         WHERE fund_type_cd IN (
--           SELECT id FROM code_table
--           WHERE code_table_cd = 'HWGVL'
--           )
--         )
--   ELSE
--       UPDATE tax_levy_fund SET levy_rate = NULL
--         WHERE district_levy_id = @pLevyId

DELETE FROM il_fund_alloc
 WHERE levy_id = @pLevyId

-- 4. Declare Fund Loop
IF @localBasis > 0
  BEGIN --B
  DECLARE FLoop CURSOR FOR
      SELECT id,fund_id,levy_rate
      ,ISNULL(levy_request,0)
      FROM tax_levy_fund tlf
      WHERE tlf.district_levy_id = @pLevyId
      ORDER BY 1
  OPEN FLoop
  WHILE 1 = 1
    BEGIN --C
    FETCH NEXT FROM FLoop INTO @tlfId,@FundID,@FundRate,@FundRequestAmt
    IF @@FETCH_STATUS <> 0
       BREAK
-- 5. Calc fund request rate
    SET @FundAmount = 0
    SET @TotalAmount = 0
    SET @RequestRate = 0
-- 20080807
    SET @FundRate = 0
--
```

```
    IF @FundRequestAmt > 0 --SET all funds with request
      BEGIN
--20080805 Fix for arithmetic overflow data condition.
          IF  @FundRequestAmt / (@TotalBasis / 100) > 999.9998
                SET @RequestRate = 999.9999
          ELSE
               SET @RequestRate = ROUND(@FundRequestAmt / (@TotalBasis / 100),@FundScale)
      SET @FundAmount = ROUND(@RequestRate * (@LocalBasis / 100),2)
      SET @TotalAmount = ROUND(@RequestRate * (@TotalBasis / 100),2)
      SET @FundRate = @RequestRate
      END
    ELSE  --SET all funds with request: if not request then Check for gravel when it may not have a request
      IF ISNULL((
         SELECT 1 FROM code_table
         WHERE id = (SELECT fund_type_cd FROM tax_fund
                  WHERE id = @FundID)
         AND code_table_cd = 'HWGVL'
         ), 0) = 1
         BEGIN -- the following is done only when HWGVL
         IF @FundRate = 0
            SET @FundRate = ISNULL((
               SELECT limit_rate FROM levy_limit
               WHERE district_levy_id = @pLevyId
               AND fund_id = @FundID
               ),0)
         IF @FundRate > 0
            BEGIN
            SET @FundAmount =  ROUND(@FundRate * (@LocalBasis / 100),2)
            SET @TotalAmount = ROUND(@FundRate * (@TotalBasis / 100),2)
            END
         END -- the following is done only when HWGVL
--     END IF ISNULL ((
--   END ELSE  --Check for gravel when it may not have a request
-- 6. Update tax_levy_fund levy_rate and levy_amount
    IF @FundRate > 0
      BEGIN
      UPDATE tax_levy_fund SET levy_rate = @FundRate
      ,levy_amount = @FundAmount
      WHERE id = @tlfId
      IF @RequestRate > 0
        INSERT INTO il_fund_alloc
VALUES(@pLevyId,@FundID,'REQST',@FundRate,@FundAmount,getdate(),@TotalAmount,@pOrd)
      ELSE
        INSERT INTO il_fund_alloc
VALUES(@pLevyId,@FundID,'GRAVL',@FundRate,@FundAmount,getdate(),@TotalAmount,@pOrd)
      END
    END --C
```

```
  CLOSE FLoop
  DEALLOCATE FLoop
  END --B
-- added 2080104
-- return value to calling value type
-- 9. Close loop

-- 10. Retrieve and return request rate
SET @TotalRate = ISNULL(
          (
          SELECT sum(levy_rate)
          FROM tax_levy_fund
          WHERE district_levy_id = @pLevyId
      )
          ,0)

SELECT  @TotalRate

--RETURN

END --A
Grant execute on il_allocate_fund to public;
```

Il_fund_alloc: (INFO ONLY)

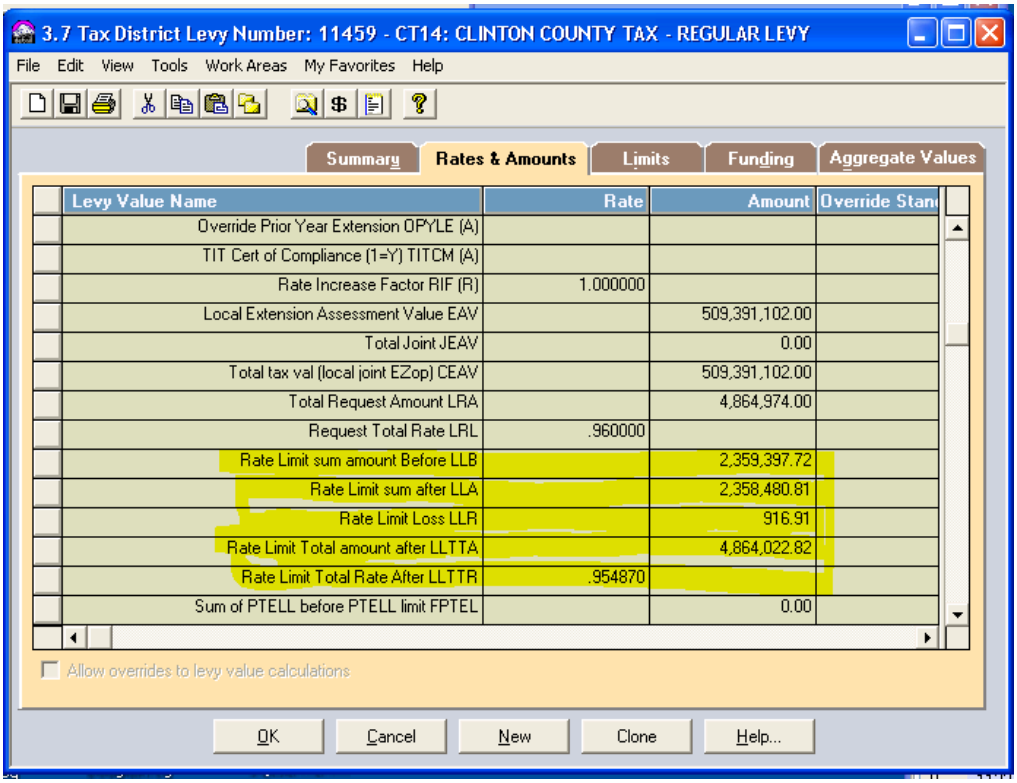
This table is created and updated by the procedures. It serves as an audit for all changes to the funds. Every time a fund rate or amount is changed, a record is stored. 'Amount' is the tax raised within the County. 'Tot_amount' includes tax raised by an adjoining county that shares a district.



	levy_id	fund_id	type	rate	amount	pDate	tot_amount	ord
1	11334	94	REQST	0.50173000000000	585587.60	2008-10-16 18:16:33.250	585724.38	1.00
2	11334	185	REQST	2.33117000000000	2720794.53	2008-10-16 18:16:33.250	2721430.07	1.00
3	11334	185	Limit	2.24000000000000	2614386.66	2008-10-16 18:16:33.360	2614997.35	2.00
4	11334	246	REQST	0.52035000000000	607319.69	2008-10-16 18:16:33.250	607461.55	1.00
5	11334	246	Limit	0.50000000000000	583568.45	2008-10-16 18:16:33.360	583704.77	2.00
6	11334	298	REQST	0.20814000000000	242927.87	2008-10-16 18:16:33.250	242984.62	1.00
7	11334	298	Limit	0.20000000000000	233427.38	2008-10-16 18:16:33.360	233481.91	2.00
8	11334	339	REQST	0.12093000000000	141141.87	2008-10-16 18:16:33.250	141174.83	1.00
9	11334	371	REQST	0.05203000000000	60726.13	2008-10-16 18:16:33.250	60740.32	1.00
10	11334	371	Limit	0.05000000000000	58356.85	2008-10-16 18:16:33.360	58370.48	2.00
11	11334	399	REQST	0.05203000000000	60726.13	2008-10-16 18:16:33.250	60740.32	1.00
12	11334	399	Limit	0.05000000000000	58356.85	2008-10-16 18:16:33.360	58370.48	2.00
13	11334	425	REQST	0.27797000000000	324429.04	2008-10-16 18:16:33.250	324504.83	1.00
14	11334	447	REQST	0.05203000000000	60726.13	2008-10-16 18:16:33.250	60740.32	1.00
15	11334	447	Limit	0.05000000000000	58356.85	2008-10-16 18:16:33.360	58370.48	2.00
16	11334	463	REQST	0.04163000000000	48587.91	2008-10-16 18:16:33.250	48599.26	1.00
17	11334	463	Limit	0.04000000000000	46685.48	2008-10-16 18:16:33.360	46696.38	2.00
18	11334	476	REQST	0.14435000000000	168476.21	2008-10-16 18:16:33.250	168515.57	1.00

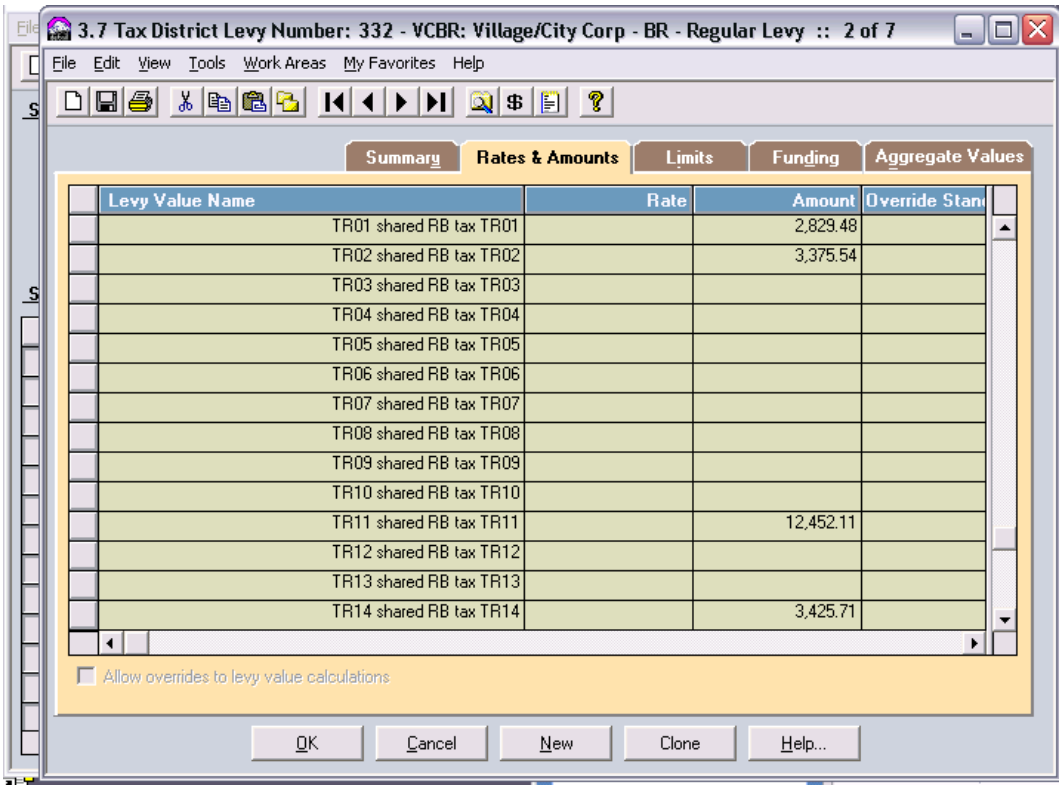
TYPE	**ORD**
REQST	1
Limit	2
RB	3
PTELL	4
TNT	5
WCS	6
USER	7
ROUND	8
TIF	8

Limited Rates



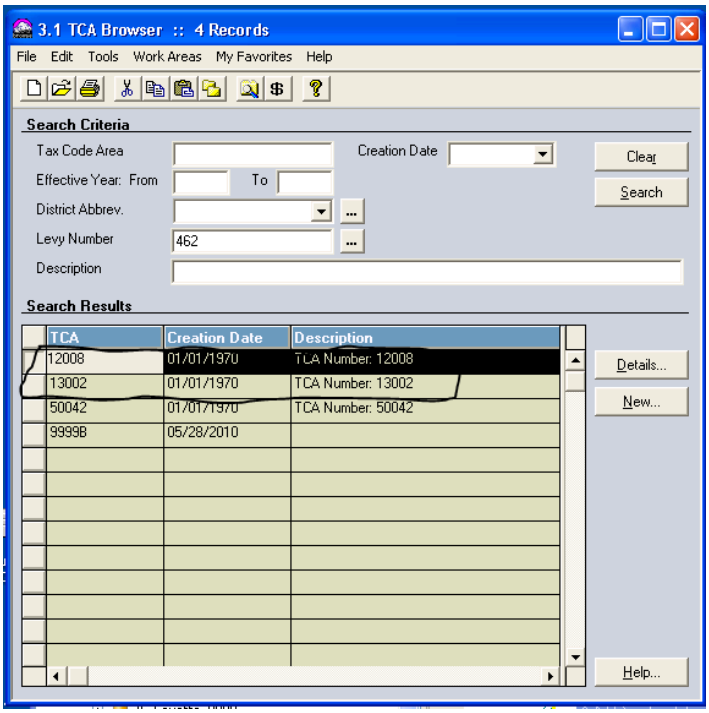
Road and Bridge

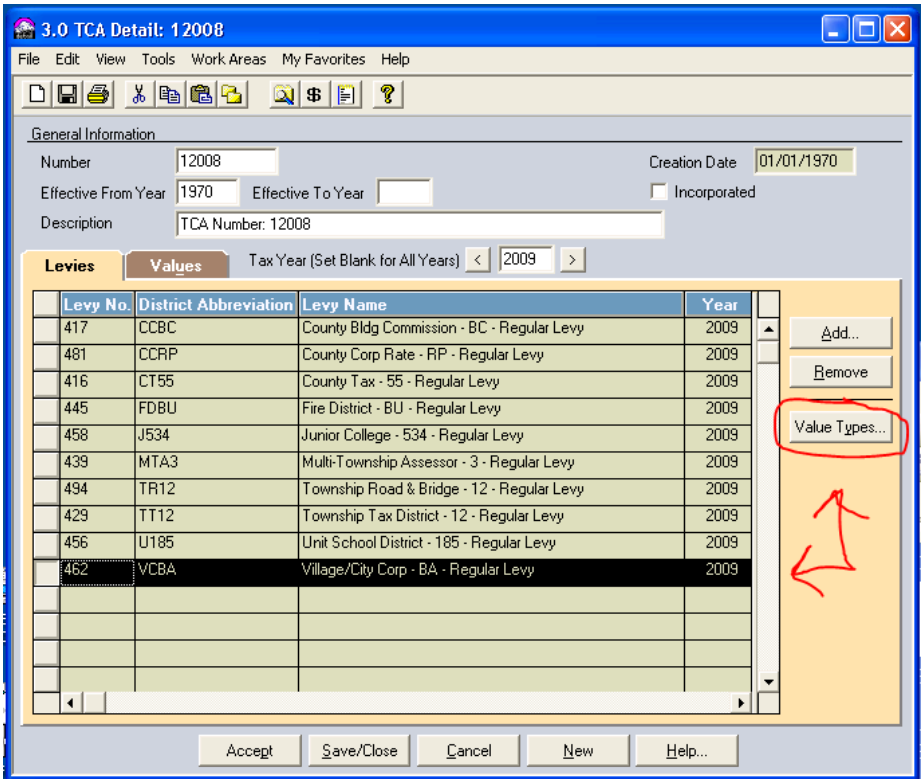
Municipal levies that have Street and Bridge funds that receive ½ Road and Bridge split automatically have the amount of tax calculated for each township. The township can have the Road and Bridge fund in a normal Township levy, or in a Township Road and Bridge levy. At this time there is a limit of 20 township levies in a County. The tax received from the ½ Road and Bridge auto reduces the Street and Bridge extension.



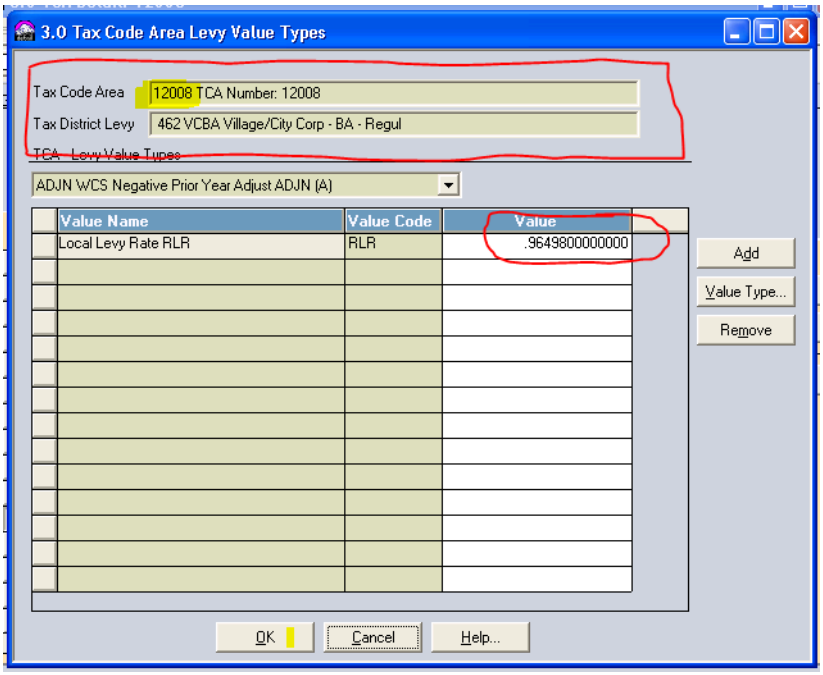
At this time, the transfer of the ½ R and B is manual. It is not distributed by ASCEND. A check is cut. This was a result of problems with the PTAX reports that ignore the split.
Street and Bridge split rates by Township

When the Street and Bridge extension is not reduced to zero, and multiple townships contributed to the reduction at different rates, the Municipal levy is calculated at the TCA. Instead of one rate for the municipality, there is a separate rate for each township. Following example is for Village BA levy number 462:

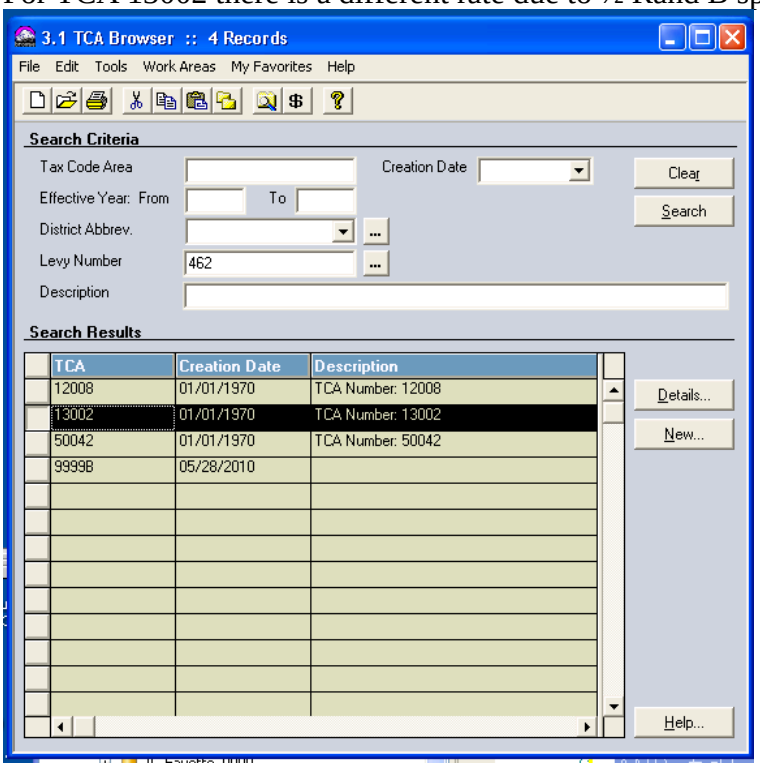

3.1 TCA Browser :: 4 Records
File Edit Tools Work Areas My Favorites Help
Search Criteria
Tax Code Area
Creation Date
Effective Year: From
To
District Abbrev.
Levy Number
462
Description
Clear
Search
Search Results
TCA
Creation Date
Description
12008
01/01/1970
TCA Number: 12008
13002
01/01/1970
TCA Number: 13002
50042
01/01/1970
TCA Number: 50042
9999B
05/28/2010
Details...
New...
Help...

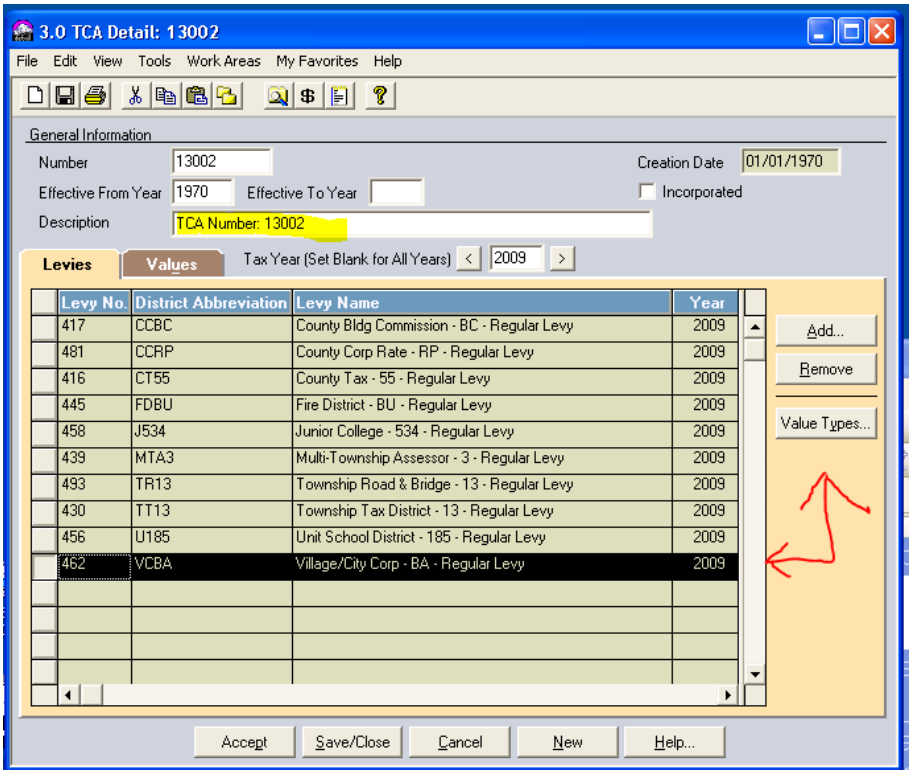

3.0 TCA Detail: 12008
File Edit View Tools Work Areas My Favorites Help
General Information
Number
12008
Creation Date
01/01/1970
Effective From Year
1970
Effective To Year
Incorporated
Description
TCA Number: 12008
Levies
Values
Tax Year (Set Blank for All Years)
2009
Levy No.
District Abbreviation
Levy Name
Year
417 CCBC County Bldg Commission - BC - Regular Levy 2009
481 CCRP County Corp Rate - RP - Regular Levy 2009
416 CT55 County Tax - 55 - Regular Levy 2009
445 FDBU Fire District - BU - Regular Levy 2009
458 J534 Junior College - 534 - Regular Levy 2009
439 MTA3 Multi-Township Assessor - 3 - Regular Levy 2009
494 TR12 Township Road & Bridge - 12 - Regular Levy 2009
429 TT12 Township Tax District - 12 - Regular Levy 2009
456 U185 Unit School District - 185 - Regular Levy 2009
462 VCBA Village/City Corp - BA - Regular Levy 2009
Add...
Remove
Value Types...
Accept
Save/Close
Cancel
New
Help...

For TCA 12008 and Levy # 462 the rate = .96498

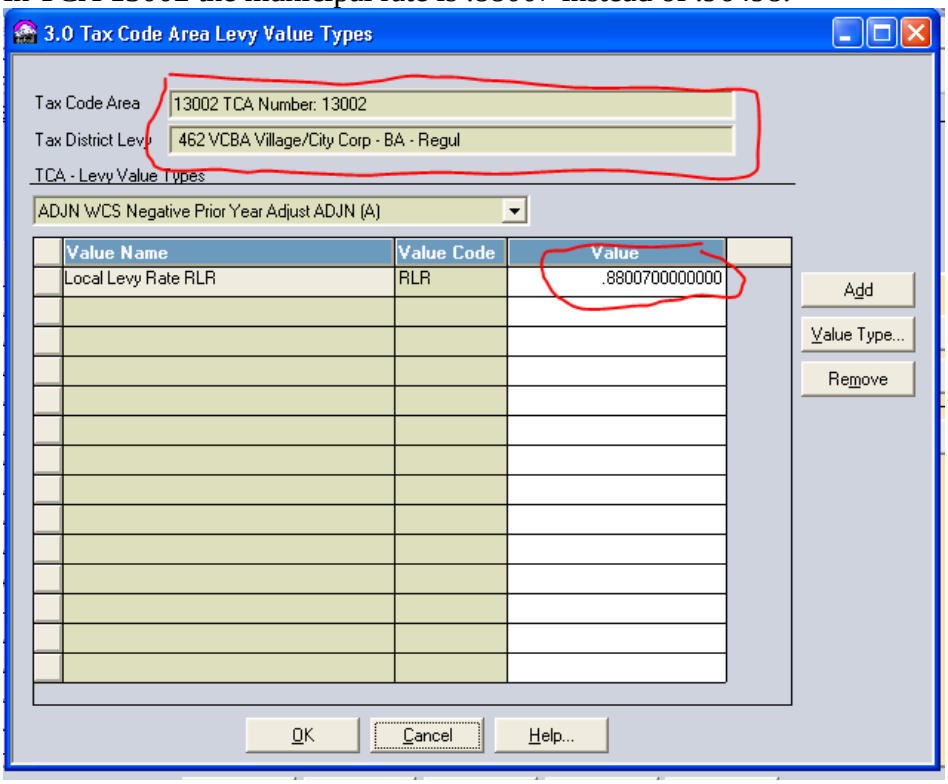


For TCA 13002 there is a different rate due to ½ Rand B split:

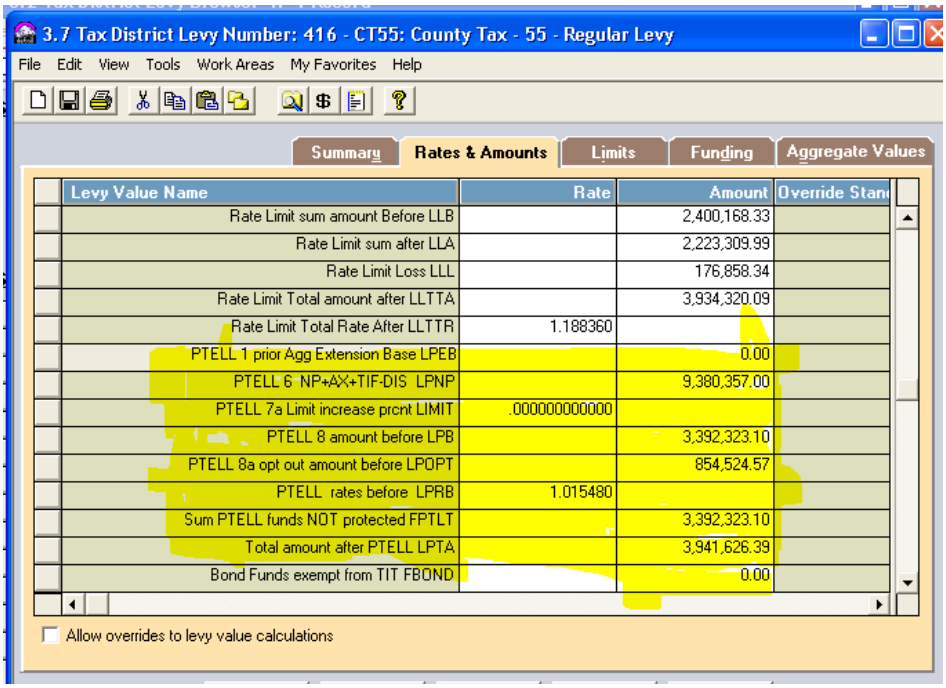




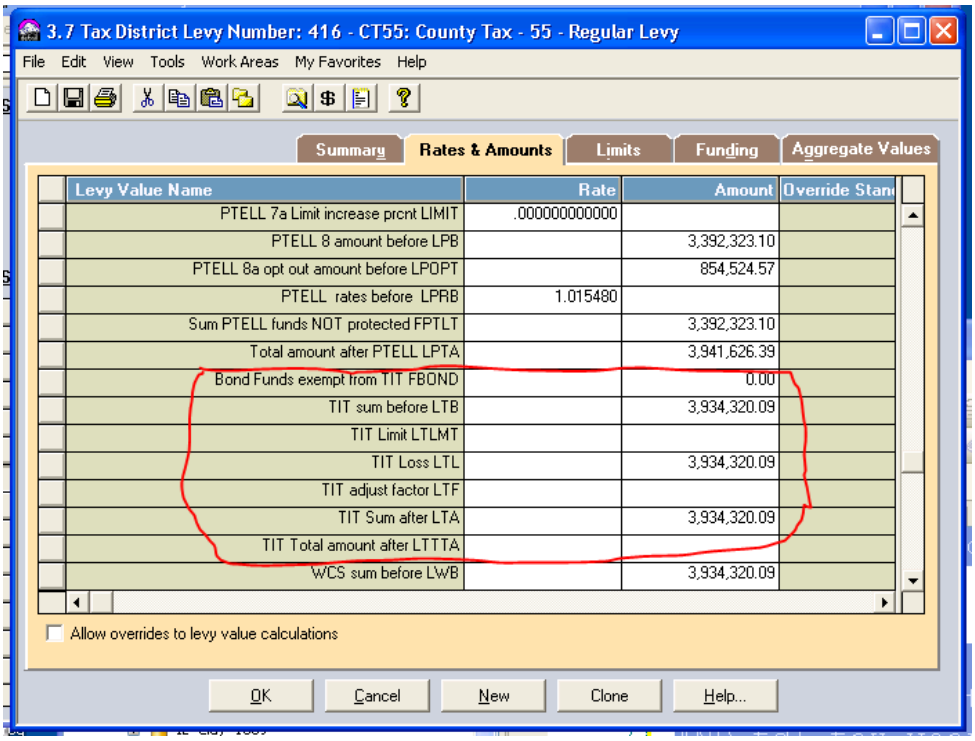
In TCA 13002 the municipal rate is .88007 instead of .96498.



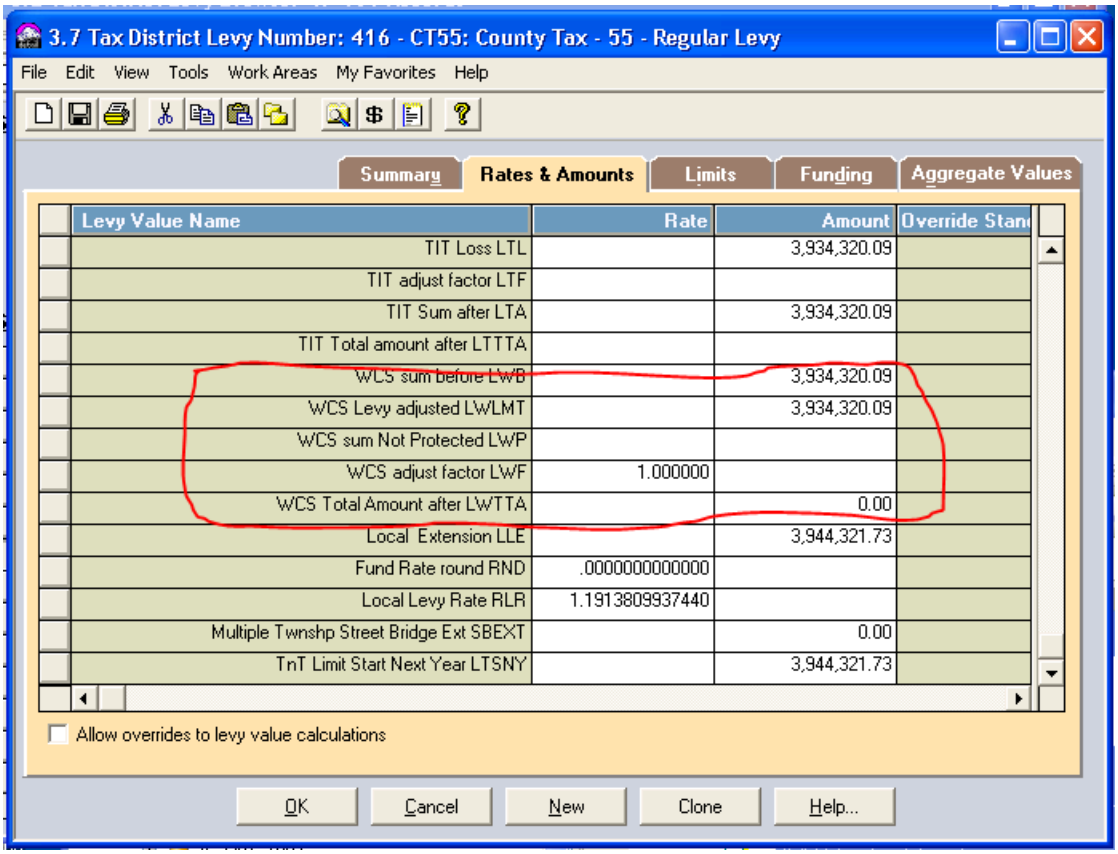
P TELL


3.7 Tax District Levy Number: 416 - CT55: County Tax - 55 - Regular Levy
File Edit View Tools Work Areas My Favorites Help
Summary Rates & Amounts Limits Funding Aggregate Values
Levy Value Name | Rate | Amount | Override Stan
Rate Limit sum amount Before LLB | 2,400,168.33
Rate Limit sum after LLA | 2,223,309.99
Rate Limit Loss LLL | 176,858.34
Rate Limit Total amount after LLTTA | 3,934,320.09
Rate Limit Total Rate After LLTTR | 1.188360
PTELL 1 prior Agg Extension Base LPEB | 0.00
PTELL 6 NP+AX+TIF-DIS LPNP | 9,380,357.00
PTELL 7a Limit increase prcnt LIMIT | .000000000000
PTELL 8 amount before LPB | 3,392,323.10
PTELL 8a opt out amount before LPOPT | 854,524.57
PTELL rates before LPRB | 1.015480
Sum PTELL funds NOT protected FPTLT | 3,392,323.10
Total amount after PTELL LPTA | 3,941,626.39
Bond Funds exempt from TIT FBOND | 0.00
Allow overrides to levy value calculations

TNT


3.7 Tax District Levy Number: 416 - CT55: County Tax - 55 - Regular Levy
File Edit View Tools Work Areas My Favorites Help
Summary Rates & Amounts Limits Funding Aggregate Values
Levy Value Name | Rate | Amount | Override Stan
PTELL 7a Limit increase prcnt LIMIT | .000000000000
PTELL 8 amount before LPB | 3,392,323.10
PTELL 8a opt out amount before LPOPT | 854,524.57
PTELL rates before LPRB | 1.015480
Sum PTELL funds NOT protected FPTLT | 3,392,323.10
Total amount after PTELL LPTA | 3,941,626.39
Bond Funds exempt from TIT FBOND | 0.00
TIT sum before LTB | 3,934,320.09
TIT Limit LTLMT
TIT Loss LTL | 3,934,320.09
TIT adjust factor LTF
TIT Sum after LTA | 3,934,320.09
TIT Total amount after LTTTA
WCS sum before LWB | 3,934,320.09
Allow overrides to levy value calculations
OK Cancel New Clone Help...

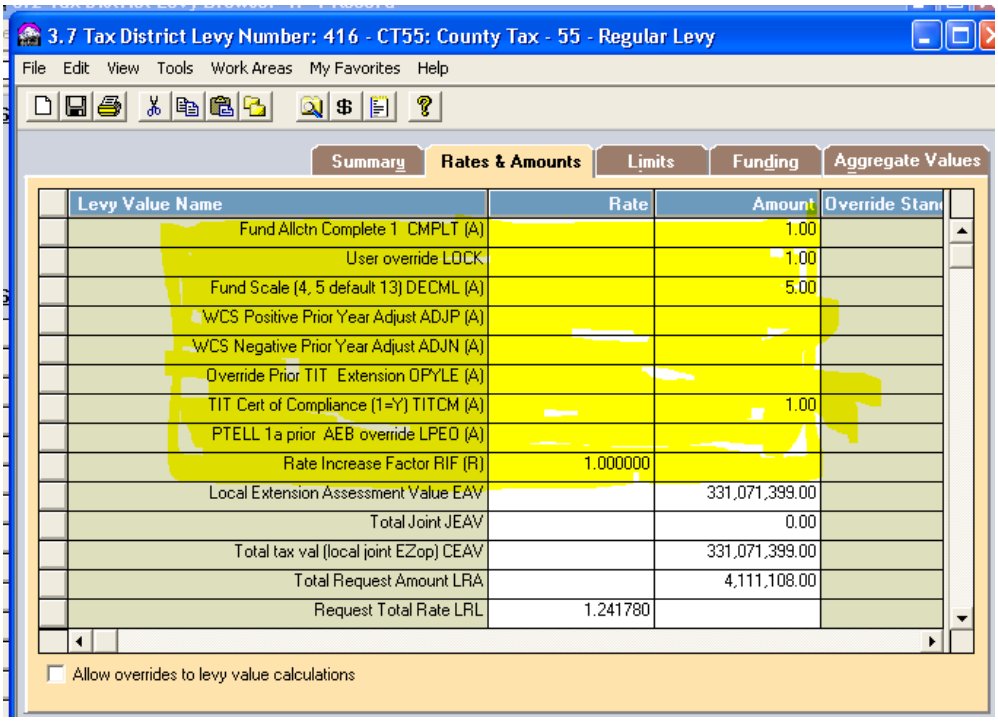
WCS



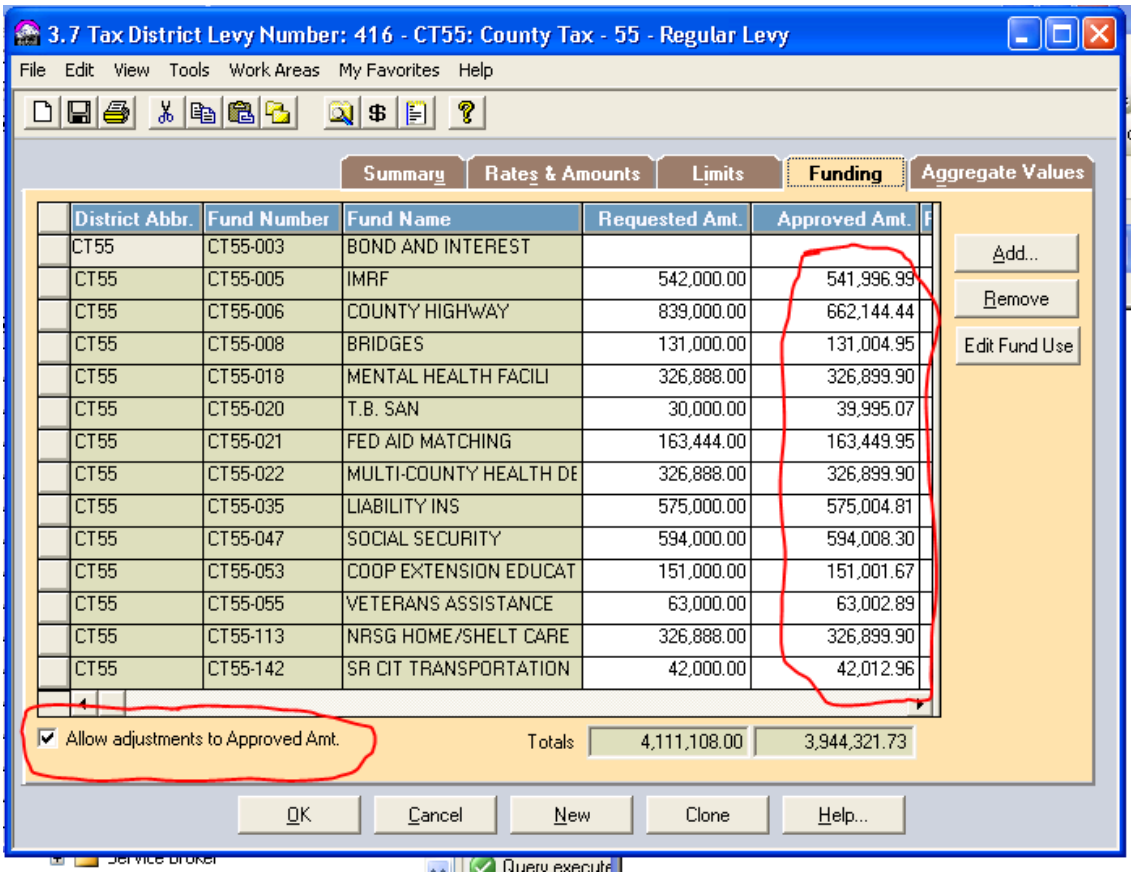
USER INPUT

'USER INPUT' covers what a user has to do, after all the configuration, to calculate levies. Nothing has changed regarding user input of fund requests and user input of aggregate values. The user input for fund rate limit has already been covered.

For the southern counties the user input of levy values is limited to the following:

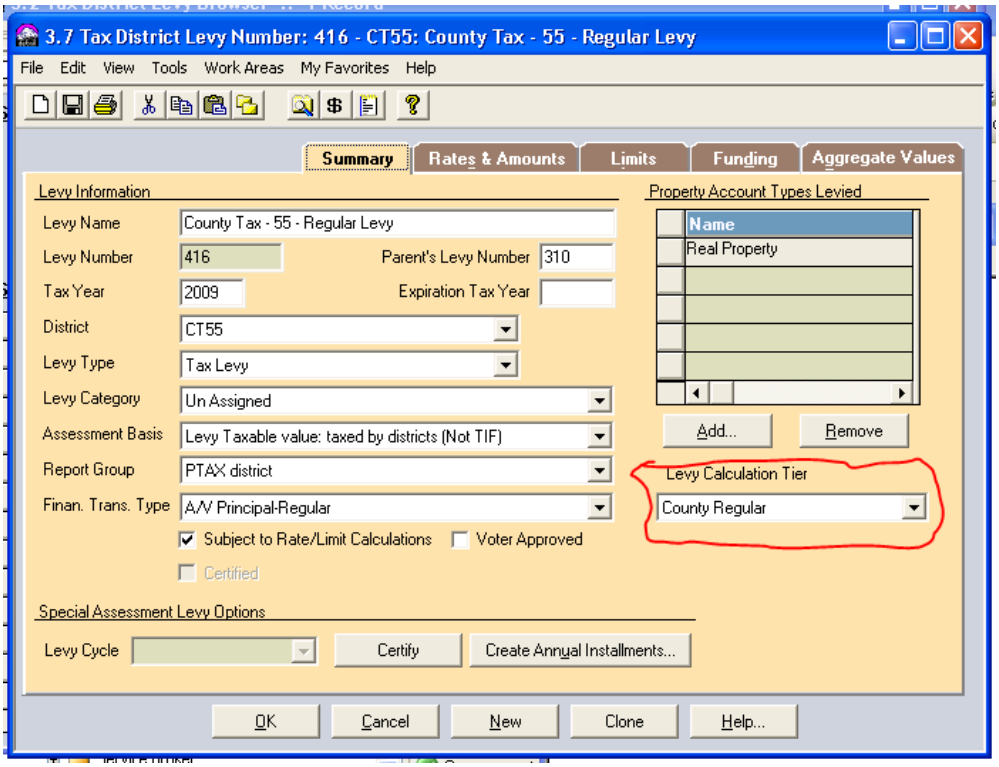


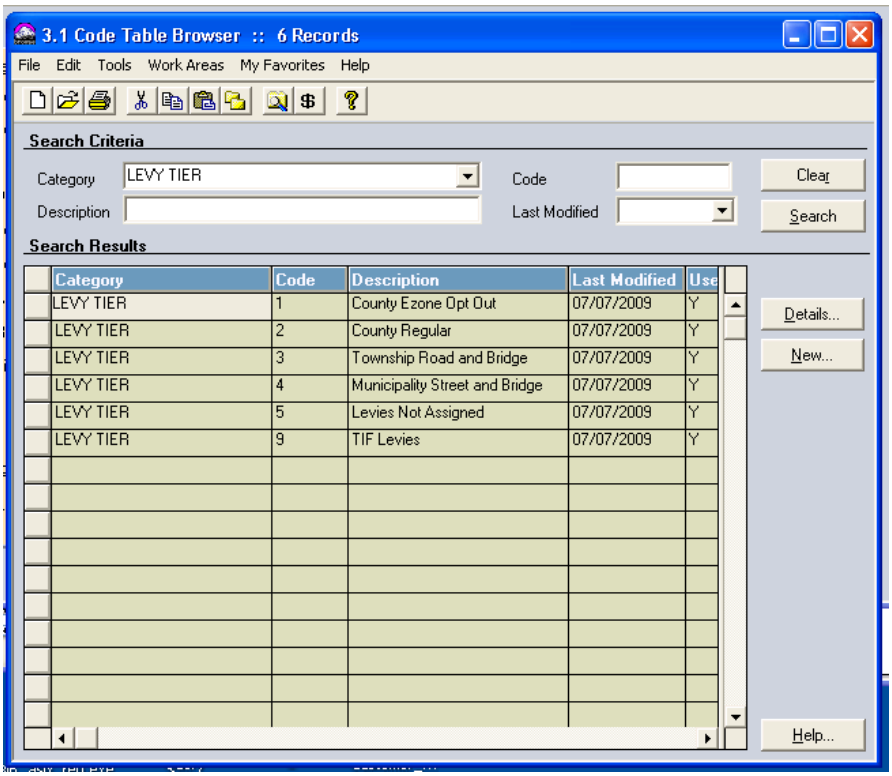
All levy values that are user entered appear at the top of the window. They have a (A) for amount or (R) for rate at the end.
'Fund Scale' allows the choice of 4, 5, or 13 decimal rates.
The two 'WCS' values allows the user to adjust either a positive change or negative change for 'WouldaCouldaShoulda' prior year corrections.
'TNT Cert' indicates that the proper paper work has been submitted such that the levy is not limited by TNT
'PTELL 1a Prior' and 'Rate Increase Factor' are used for PTELL calculations.
The first two values are special in that they allow direct changes to the fund extension. They allow the user to override the ASCEND calculations for special circumstances. The most common override is when a district request that fund not be impacted by a limit. This option can also be used to change the total extension of a levy. A user input of '1' in Fund Allctn Complete keeps ASCEND from overwriting user update fund amounts. It allows the user to directly enter fund extensions.



Levy Calculation Tier (INFO ONLY)

This tool establishes an order for levy calculations. This allows us to calculate Township Road and Bridge before the city Street and Bridge and all the taxable levies before TIF. There is no need to do multiple passes through the cycle.


3.7 Tax District Levy Number: 416 - CT55: County Tax - 55 - Regular Levy
File Edit View Tools Work Areas My Favorites Help
Summary
Rates & Amounts
Limits
Funding
Aggregate Values
Levy Information
Levy Name
County Tax - 55 - Regular Levy
Levy Number
416
Parent's Levy Number
310
Tax Year
2009
Expiration Tax Year
District
CT55
Levy Type
Tax Levy
Levy Category
Un Assigned
Assessment Basis
Levy Taxable value: taxed by districts (Not TIF)
Report Group
PTAX district
Finan. Trans. Type
A/V Principal-Regular
Subject to Rate/Limit Calculations
Voter Approved
Certified
Special Assessment Levy Options
Levy Cycle
Certify
Create Annual Installments...
Property Account Types Levied
Name
Real Property
Add...
Remove
Levy Calculation Tier
County Regular
OK
Cancel
New
Clone
Help...


3.1 Code Table Browser :: 6 Records
File Edit Tools Work Areas My Favorites Help
Search Criteria
Category
LEVY TIER
Code
Description
Last Modified
Clear
Search
Search Results
Category
Code
Description
Last Modified
Use
LEVY TIER 1 County Ezone Opt Out 07/07/2009 Y
LEVY TIER 2 County Regular 07/07/2009 Y
LEVY TIER 3 Township Road and Bridge 07/07/2009 Y
LEVY TIER 4 Municipality Street and Bridge 07/07/2009 Y
LEVY TIER 5 Levies Not Assigned 07/07/2009 Y
LEVY TIER 9 TIF Levies 07/07/2009 Y
Details...
New...
Help...

Challenges/Gaps:

RAIL ROAD

There are three options for Rail Road:

1. Continue Lake process
2. One account per RR company
3. One account per RR certified value.

Since none of the southern counties has TIF value on railroad accounts, this may be a gap.

ROUND

Lake required any rounding to be in favor of the tax districts. The southern counties carry most rates to 13 digits, round for display, then one time round for final rates. The largest fund in the levy is modified by the round. This modification is captured in the il_fund_alloc table. We need to agree on rounding logic - may be a gap.

TIF

We will need to talk a lot about TIF. For the southern counties, the TIF calculation is at the account level. Each account has a value for 'base' and 'TIF increment' and levies for each base. They do not blend TIF across accounts or across TIF districts. This is different from Lake that adjusts the distribution table for an aggregate shift to the TIF. Will be a gap.

Reports

The southern counties are using ASCEND PTAX reports. Configuration issues that impact reports including:

Railroads
TIF
Road and Bridge split

The Road and Bridge split for the southern counties created a problem: On the one hand they liked the split of the tax from the Township to the city automated in the distribution. On the other hand they did not want the split shown in the PTAX reports. We could not find a 'middle ground' and require the southern counties to manually cut checks for the R and B split. It is not done by the distribution tables.

We need to include the Tax Statement as a critical report to evaluate for potential gaps.

We may choose to include the following southern county local reports – all can be run from within Ascend in addition to the core and custom report suite:

IL0058 Tax District Certification Letter
Il0059 Tax District Fund Breakout
IL037 TIF Value Report
Il9020 Tax District Code Report
IL9020A TCA Listing Report

Cook County rules

We have a gap here to discuss. Manatron will need gentle coaching to come back up to speed in this area since things may have changed over the years.

Exhibit B – Project Schedule

Phase 1: Evaluation of Feasibility/Viable DB from County to use for entire project	***August, 2012***
Phase 2: Demo Phase/Buy off from IT Dept/County Official Long Term Commitment	***August - September, 2012***
Phase 3: Project Inception: Configuration adjustments with IT Dept/Business Analyst Tasks	***October - December, 2012***
Phase 4: Engineering Tasks: Translate existing SQL Srvr procedures into Informix. Report Development changes to translate relevant reports. No scope creep other than what we already have in place.	***October - December, 2012***
Phase 5: QA Validation and Load Phase: High Lake IT Dept Participation (Longest Phase)	***December, 2012 - February, 2013***
Phase 6: Target Production Level Usage	***Spring, 2013 (County can also decide to do this Spring, 2013)***