



REAPPRAISAL PLAN

2021 & 2022

ADOPTED BY THE BOARD OF DIRECTORS
SEPTEMBER 10, 2020

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Introduction

Scope of Responsibility

The Smith County Appraisal District is responsible for establishing the fair market value of all property in the territorial boundaries of the district each year. Revisions to Section 6.025 of the Texas Property Tax Code (Tax Code), in effect beginning with the 2008 tax year, now define the appraisal district boundaries the same as Smith County. The Appraisal District has prepared and published this reappraisal plan to provide the Board of Directors, taxing units, citizens and taxpayers with a better understanding of the District's responsibilities and reappraisal activities. This report has several parts: a general introduction and detailed sections describing the proposed 2021-2022 reappraisal effort by the appraisal district.

Smith CAD is a political subdivision of the State of Texas created with an effective date of January 1, 1980. The provisions of the Texas Property Tax Code govern the legal, statutory, and administrative requirements of the appraisal district. An eight-member board of directors constitutes the appraisal district governing body. The Chief Appraiser, appointed by the Board of Directors, is the chief administrator and chief executive officer of the appraisal district. The district currently reports to eight different cities, ten school districts, Kilgore College, Tyler Jr. College, East Texas MUD, SCESD #1 & #2 and Smith County. In 2020, Smith CAD maintained approximately 174,000 accounts with an approximate appraised value of \$25.7 billion and an approximate taxable value of \$19.4 billion.

The Smith County Appraisal District is responsible for local property tax appraisal and exemption administration for all taxing units in the county. Each taxing unit, such as the county, a city, school district, etc., sets its own tax rate to generate revenue to fund its annual maintenance and operations budget, which includes police and fire protection, public schools, road and street maintenance, courts, water and sewer systems, and other public services, and its debt service. Property appraisals are values established by the appraisal district to be used by the taxing units to calculate and allocate the annual tax burden.

The Texas Property Tax Code contains statutes that guide the administration of property taxes in Texas. For the most part, Chapter 23 of the Tax Code defines the scope of work required for local property tax appraisals. Appraisals are based on each property's worth or market value. Smith CAD also administers and determines eligibility for special appraisal provisions to be used in the valuation of specific types of property (e.g. residential inventory, dealer's inventory, taxable leaseholds, oil or gas interest, homeowners' association property, low income housing, agriculture use, open-space land, timber land), various restricted use properties; and property tax exemptions that are authorized by State and local governments; such as those for homestead, over - 65, disabled persons, disabled veterans, and charitable or religious organizations. The scope of work will vary for these properties that are subject to the special appraisal provisions as provided by Chapters 23 and 25 of the Tax Code.

Smith CAD maintains all relevant data and characteristics of each property and improvements (structures) in the county, along with a comprehensive mapping GIS system. All data is maintained by a Computer Assisted Mass Appraisal, or CAMA system (MARS), which enables the district to utilize mass appraisal techniques in accordance with the International Association of Assessing Officers (IAAO) standards, thus producing a mass appraisal that complies with the Uniform Standards of Professional Appraisal Practice (USPAP), as required in Section 23.01(b) of the Tax Code. This Reappraisal Plan's function is to provide the Smith County Appraisal District with a foundation to organize and proceed yearly with the reappraisal process through the implementation of the Reappraisal Plan. The chief appraiser is authorized by the board of directors to modify

the Reappraisal Plan as required in order to meet successful implementation required by USPAP. Moreover, it is the district's responsibility to adhere to the Tax Code and to comply with USPAP regarding the mass appraisal. IAAO standards are followed in developing the mass appraisal techniques used and when conducting ratio studies and other statistical methods of appraisal.

Limiting Conditions

The appraisal value estimates provided by the district are subject to the following limitations:

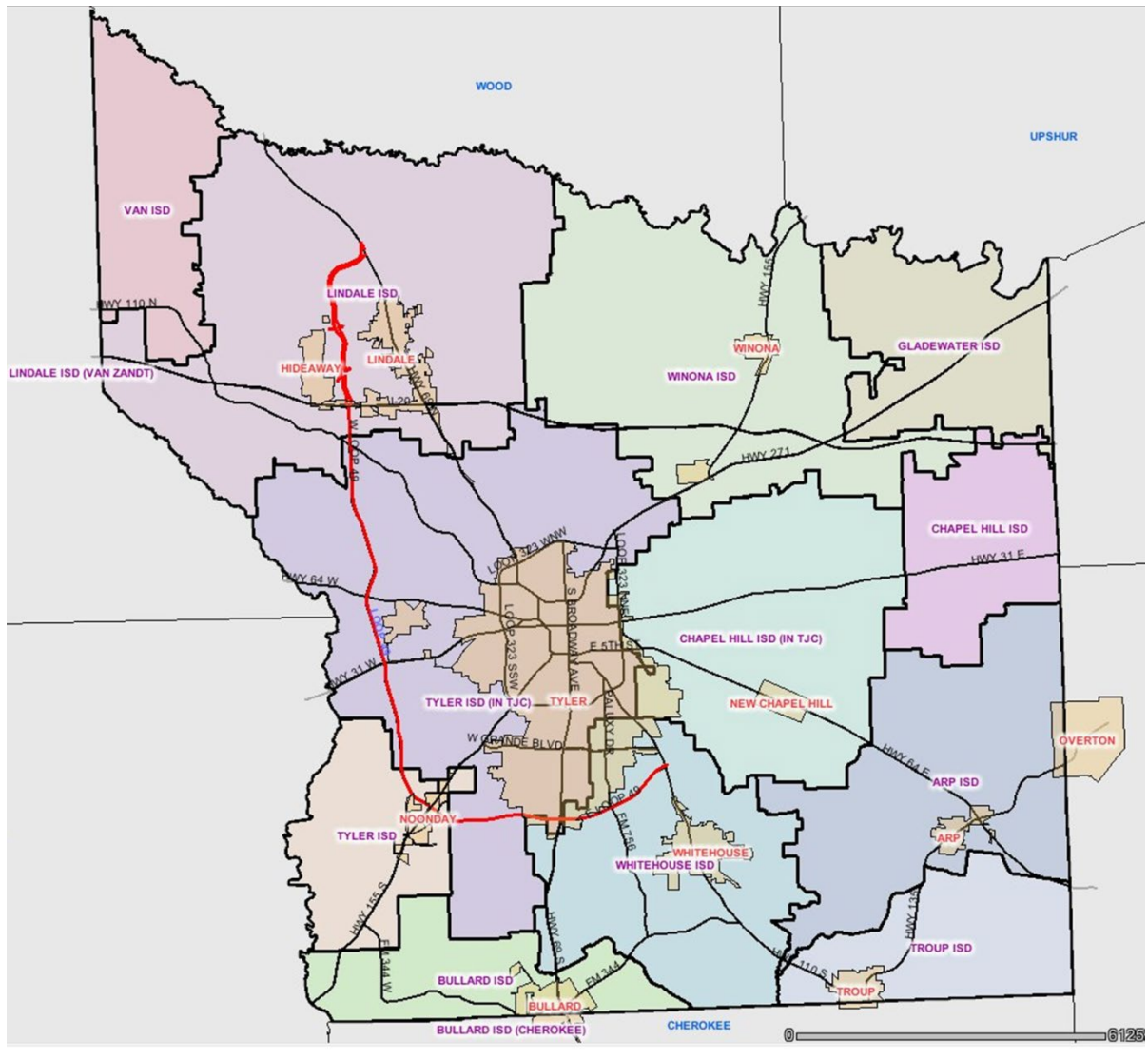
1. The appraisals were prepared exclusively for ad valorem tax purposes
2. The property characteristic data which the appraisal are based is assumed to be correct. Exterior inspections of the property appraised were performed as staff resources and time allowed.
3. Validation of sales transactions and income data was attempted through questionnaires to buyer and seller, mail survey and field review. In the absence of such confirmation, residential sales data obtained from vendors was considered reliable.

Smith County Entities

The Smith County Appraisal District serves 25 different taxing units which establish their own tax rate and are reported to directly by SCAD. These entities include the following:

JURISDICTION	COUNT	2020 CERTIFIED APPRAISED VALUE
Smith County	172,686	\$25,760,133,062
City of Arp	797	\$66,031,168
City of Bullard	1,987	\$337,906,614
City of Lindale	3,342	\$738,605,004
City of Overton	190	\$10,985,178
City of Troup	3,179	\$102,724,909
City of Tyler	45,918	\$12,415,761,177
City of Whitehouse	3,648	\$588,478,590
City of Winona	558	\$35,438,449
Arp ISD	15,885	\$722,942,758
Bullard ISD	7,586	\$1,168,622,682
Chapel Hill ISD	20,104	\$2,188,888,692
Gladewater ISD	3,268	\$242,556,100
Lindale ISD	15,777	\$2,602,402,458
Troup ISD	16,930	\$339,400,807
Tyler ISD	73,855	\$13,436,913,558
Van ISD	2,754	\$243,463,939
Whitehouse ISD	17,326	\$3,238,825,980
Winona ISD	8,186	\$1,566,477,475
Kilgore College	3,268	\$242,556,100
Tyler Jr. College	106,577	\$19,090,276,592
East Texas Mud	1,275	\$830,208,983
SCESD #1	16,179	\$2,414,831,771
SCESD #2	104,895	\$9,835,639,658
Overton Municipal Cemetery	190	\$10,985,178

Smith County Entities Cont'd



General Overview

Tax Code Requirements

S. B. 1652 enacted in 2005 by the Texas Legislature, amended the Tax Code to require a written biennial reappraisal plan. The following paragraphs detail the changes to the Tax Code:

The Written Plan

Section 6.05 (i), Tax Code, reads as follows:

- (i) To ensure adherence with generally accepted appraisal practices, the board of directors of an appraisal district shall develop biennially a written plan for the periodic reappraisal of all property within the boundaries of the district according to the requirements of Section 25.18 and shall hold a public hearing to consider the proposed plan. Not later than the 10th day before the date of the hearing, the secretary of the board shall deliver to the presiding officer of the governing body of each taxing unit participating in the district a written notice of the date, time, and place of the hearing. Not later than September 15 of each even numbered year, the board shall complete its hearings, make any amendments, and by resolution finally approve the plan. Copies of the approved plan shall be distributed to the presiding officer of the governing body of each taxing unit participating in the district and to the comptroller within 60 days of the approval date.

Plan for Periodic Reappraisal

Subsections (a) and (b), Section 25.18, Tax Code, reads as follows:

- (a) Each appraisal office shall implement the plan for periodic reappraisal of property approved by the board of directors under Section 6.05 (i).
- (b) The plan shall provide for the following reappraisal activities for all real and personal property in the district at least once every three years:
 - (1) Identifying properties to be appraised through physical inspection or by other reliable means of identification, including deeds or other legal documentation (such as permits, MLS's, etc.), aerial photographs, land-based photographs, surveys, maps, and property sketches;
 - (2) Identifying and updating relevant characteristics of each property in the appraisal records;
 - (3) Defining market areas in the district;
 - (4) Identifying property characteristics that affect property value in each market area, including:
 - (A) The location and market area of the property;

- (B) Physical attributes of property, such as size, age, quality and condition;
 - (C) Legal and economic attributes; and
 - (D) Easements, covenants, leases, reservations, contracts, declarations, special assessments, ordinances, or legal restrictions;
- (5) Developing an appraisal model that reflects the relationship among the property characteristics affecting value in each market area and determines the contribution of individual property characteristics;
 - (6) Applying the conclusions reflected in the model to the characteristics of the properties being appraised; and
 - (7) Reviewing the appraisal results to determine value.

Valuation Policy - Reappraisal Cycle

The Smith County Appraisal District board of directors, by approval of this 2021-2022 reappraisal plan, adopts the policy that all property will be inspected at least once every 3 years. Appraisal analyses utilizing trend and market analyses, along with statistical measures and physical inspection, will be the basis by which properties are reviewed. The goal is to maintain a current market value assignment as of January 1 for all properties.

Except as otherwise provided by the Texas Property Tax Code, all taxable property is appraised at *market value* as of January 1st of each year. *Market value*, as defined by the Tax Code, means the price at which a property would transfer for cash or its equivalent under prevailing market conditions if:

- Exposed for sale in the open market with a reasonable time for the seller to find a purchaser;
- Both the seller and the buyer know of all the uses and purposes to which the property is adapted and for which it is capable of being used and of the enforceable restrictions on its use, and;
- Both the seller and buyer seek to maximize their gains, and neither is in a position to take advantage of the exigencies of the other.

Furthermore, the district follows the standards of the International Association of Assessing Officers (IAAO) regarding its appraisal practices and procedures and subscribes to the standards promulgated by the Appraisal Foundation known as the Uniform Standards of Professional Appraisal Practice (USPAP) to the extent they are applicable. More specific information concerning the appraisal of property is found in the *Smith County Appraisal District Appraisal Manual(s)* and is incorporated by reference in this reappraisal plan.

Exceptions and Special Valuation Provisions

The Tax Code defines special appraisal provisions for the valuation of residential homestead property (Sec. 23.23), productivity (Sec. 23.41), real property inventory (Sec. 23.12), dealer inventory (Sec. 23.121, 23.124, 23.1241 and 23.127), nominal (Sec. 23.18) or restricted use properties (Sec. 23.83) and allocation of interstate property (Sec. 23.03). The owner of certain types of inventory may elect to have the inventory

appraised at its market value as of September 1st of the year preceding the tax year to which the appraisal applies by filing an application with the chief appraiser by July 31st.

Reappraisal Activities

1. Performance Analysis – the equalized values from the previous tax year will be analyzed with ratio studies to determine the appraisal accuracy and appraisal uniformity overall and by market area within property reporting categories. Ratio studies will be conducted in compliance with the current *Standard on Ratio Studies* of the International Association of Assessing Officers (IAAO).
2. Analysis of Available Resources – Staffing and budget requirements for tax year 2021 are detailed in the 2021 budget, as adopted by the board of directors. Staffing and budget requirements for tax year 2022 will be addressed in the 2022 budget to be adopted in accordance with Section 6.06 of the Tax Code.
3. Planning and Organization – A calendar of key events with critical completion dates will be prepared for each major work area. This calendar identifies key events for appraisal, mapping and records, administrative, inquiry, and information systems. A calendar is prepared for tax years 2021 and 2022. Production goals for field activities will be established and incorporated in the planning and scheduling process.
4. Mass Appraisal System – Computer Assisted Mass Appraisal (CAMA) system revisions required will be specified and scheduled with Information Systems. All computer forms and IS procedures will be reviewed and revised as required.
5. Identifying and Updating Relevant Characteristics – The IAAO Standard on Mass Appraisal Section 3.3.2.1 “Initial Data Collection”, Section 3.3.4 “Maintaining Property Characteristics Data”, and Section 3.3.5 “Alternative to Periodic On-Site Inspection” all have specific practical guidelines which have been incorporated into the District’s Work Plan. Field and office procedures will be reviewed and revised as required for data collection. Activities scheduled for each tax year include discovery and listing of new construction, demolition and remodeling; re-inspection of problematic market areas and the universe of properties on a three-year cycle as feasible; and field or office verification of sales data and property characteristics. Re-inspection of properties is to be completed using physical inspection or by other reliable means of identification, including deeds, legal documentation, aerial photography, street level photographs, surveys, maps, and property sketches.
6. Valuation by Tax Year – Using market analyses of comparable sales, locally and nationally tested cost data and income analyses, valuation models will be specified and calibrated in compliance with supplemental standards from the IAAO and USPAP. The calculated values will be tested for accuracy and uniformity using ratio studies.
7. The Mass Appraisal Report – Each tax year, a USPAP-required mass appraisal report will be prepared and certified by the chief appraiser at the conclusion of the appraisal phase of the ad valorem tax calendar (on or about May 15th).

8. Value Defense & Final Performance Analysis – The appraisal district has the burden of proof regarding protests related to appraisal or market value as well as unequal appraisal. Inspection and/or disclosure of evidence and related materials will comply with Section 41.461 of the Tax Code.

2021 & 2022 REAPPRAISAL PLAN

Performance Analysis

For each tax year, the previous tax year's equalized values will be analyzed using ratio studies to determine appraisal accuracy and appraisal uniformity overall and by market area within state property reporting categories. Ratio studies will be conducted in compliance with the IAAO *Standard on Ratio Studies*. Descriptive statistics, such as, mean, median, and weighted mean ratios will be calculated for properties in each reporting category and neighborhood market areas (NBHD) to measure the level of appraisal accuracy, and the coefficient of dispersion (COD) will be calculated to measure appraisal uniformity by property reporting category and NBHD. This analysis will be used to develop the starting point for establishing the accuracy and uniformity of appraisal performance.

Ratio Studies are performed at the beginning of the appraisal cycle for NBHD market modeling, upon completion of the appraisal cycle before appraisal notices are mailed, and otherwise as often as necessary to determine how the market is trending and to assist in developing plans to adjust values in particular areas to accurately reflect the market. Smith County experiences several thousand sales per year, so it is important to constantly track the price movement of real estate sales.

Reappraisal Decision and Method

The reappraisal method for Smith CAD is to appraise real property at least once every 3 years. Re-inspection of properties will be completed using a combination of field inspections and office review.

Office review of property for the 2021 tax year will include the examination of aerial photography using the 2020 aerial photography, including change detection analysis of structures' footprints between the 2018 and 2020 imagery, property sketches, and existing property characteristics. These activities concur with the guidelines of the IAAO Standard on Mass Appraisal Section 3.3.4 *Maintaining Property Characteristics Data*.

The district is responsible for establishing and maintaining approximately 146,000 real and personal property accounts covering over 950 square miles within Smith County Appraisal District's jurisdiction. Of this total, approximately 8600 business personal property accounts need inspection each year. A district goal will be to inspect approximately 45,000 real parcels each year.

Residential Property

Residential property is examined at least once every three years by one of two methods: field inspection or aerial photography. Aerial photography review involves viewing orthographic aerial photography looking for changes that might have occurred to the property improvements since the last inspection, measuring the two most significant exterior walls of each improvement when a change is indicated, and verifying that all improvements are on the appraisal roll and listed correctly. Field inspection involves observing each home, and each side and the rear if accessible, looking for changes that might have occurred to the improvement since the last inspection. When a change is determined, the exterior walls of each improvement are measured if accessible and the appraiser verifies that all improvements are on the appraisal roll and listed correctly. Exterior pictures are taken any time an appraiser conducts a field check. If the improvement is inaccessible, the measurements will be made from the most recent aerial photography using the measuring tools available on the district's website, if the current improvement is shown. If the improvement is inaccessible and does not appear on the most recent aerial photography the appraiser makes the best estimate from the nearest available point of observation and specifically notes the date and nature of the estimate in the "Field Notes" in the MARS Note Module.

In addition, SCAD utilizes software that analyzes and detects changes in improvements from the previous year's improvement data using aerial photography. This mapping technique (change detection) implemented by the district in 2010, is especially helpful in detecting changes to improvements that are not otherwise known through traditional methods of identification such as permits, liens, or public inquiry.

Every year a specific region will be audited by all the residential field appraisers. All residential accounts will be grouped by grid number. The accounts are divided up among the appraisers in order for the process to be efficient and productive. The property record card and aerial photography will be analyzed along with a field inspection of the property. The goal is to ensure that all improvements are accounted for and that the overall market value is appropriate.

Commercial/Industrial Property

Commercial and Industrial property is examined at least once every three years by one of two methods: field inspection or aerial photography. Accounts flagged for reappraisal, transfers of ownership, and permits are automatically reviewed every year. Exterior pictures are taken whenever a field check is conducted, and when available, income statements, rent prices, and cost receipts are gathered. The income approach to value is also utilized to appraise properties where the highest and best use is as income producing property, such as shopping centers, apartment complexes, office buildings, motels and hotels, and other types of property that typically sell based on net operating income. The cost approach is typically used to value industrial properties due to the lack of reliable income data and comparable sales. This is the recommended approach of the International Association of Assessing Officers (IAAO). Rent prices are also gathered where available to develop gross rent multipliers which can also be used to appraise hotels, office buildings, and apartments.

Business Personal Property

Business personal property is appraised annually. District-wide field review is conducted each year to confirm location of existing businesses and identify businesses which closed prior to the January 1 appraisal date. Accounts will be reviewed by categories based on SIC codes (standard industrial

classification codes). Account variance among the categories will be analyzed. A review of the current commercial vehicle registrations will also be completed. This analysis will identify variances among currently assessed vehicle values and those that are commercially registered in the county. Also, depreciation tables will be compared to state depreciation tables released by the comptroller's office.

Minerals

SCAD contracts with Capitol Appraisal Group for the valuation of mineral accounts. Working and royalty interests of producing oil and gas wells are appraised annually. The most recent production data available from the Texas Railroad Commission is downloaded into appraisal software that estimates economically recoverable reserves. Those reserves are then valued based upon state mandated pricing.

Work Plan Summary

The reappraisal work plan is based on a three-year cycle with the main objective to inspect, by one of the two methods described above, every account within those 3 years. The summary of activities can be found below, with the actual detailed plan in a separate document.

2021-2022 Work Plan Summary

Year 1 (2021)

1. Yearly activities as outlined in the "Planning and Organizing" section of this document such as inspecting new permits, new construction, and <100% complete.
2. Accounts in Smith County will be analyzed by change detection software to identify those which have experienced a change in the improvement that was not detected by traditional methods of discovery such as building permits, liens, or public inquiry that are not already reflected in the current improvement data. The accounts that are flagged as having a different improvement structure will be inspected.
3. Neighborhood market areas (NBHDs) will be reviewed on a mass appraisal basis using ratio studies with statistical analysis techniques used to update market factors to ensure that every NBHD is appraised at its current market value.

This step also includes updating land schedules by analyzing vacant land sales using ratio studies and statistical analysis. Rural acreage land models are developed or revised using regression analysis of vacant land sales. This method is also used in certain commercial NBHDs when appropriate.

4. Commercial – IMA Code review in the following categories:
 - 200/201/202/203/204/211 – Apartments
 - 314/315 – Hotel/Motel
 - 316 – Nursing Homes
 - 317 – Assisted Living Facilities

- 321/323 – Restaurants
 - 324 – Fast Food Restaurants
 - 325/326 – Gas Stations & Convenience Stores
 - 373/378 – Retail
 - 379 – Discount Stores
 - 380 – Large Single Retail
 - 387/388/389 – Golf Courses/ Country Clubs
 - 396 – Mini Warehouse
 - 397/398 – Office Warehouse
 - 411 – Medical/ Dental Clinics
 - 412 – Private Hospitals
5. Business Personal Property – all accounts will be reviewed
 6. Confirmation of 1-d-1 agricultural / timber use with an apply year of 1999-2000
 7. Manufactured Home Costing update

Year 2 (2022)

1. Yearly activities as outlined in the “Planning and Organizing” section of this document such as inspecting new permits, new construction, and <100% complete.
2. Residential – Analyze B20, B30, & B40 properties (multi-family)
 - Gross Rent Multiplier
 - Income Approach using Pro-Forma and Actuals
 - Sales & Cost Methods
3. Residential – Convert 1.1, 1.2, 1.3, etc. story homes to 1 story with upstairs living area
4. Neighborhood market areas (NBHDs) will be reviewed on a mass appraisal basis using ratio studies with statistical analysis techniques used to update market factors to ensure that every NBHD is appraised at its current market value.

This step also includes updating land schedules by analyzing vacant land sales using ratio studies and statistical analysis. Rural acreage land models are developed or revised using regression analysis of vacant land sales. This method is also used in certain commercial NBHDs when appropriate.

5. Commercial - IMA Code review in the following categories:

- 200/201/202/203/204/211 – Apartments
- 313 – Breakfast and Beds
- 314/315 – Hotel/Motel
- 316 – Nursing Homes
- 317 – Assisted Living Facilities
- 327 – Supermarkets
- 331 – Auto Dealer Full-Service Garage
- 332 – Auto Service Garage (was in year 1 2015 but removed for 2018)
- 333 – Used Card Dealer
- 335 – Truck Stop
- 338 – Parking Garage
- 339 – Parking Lot
- 360 – Bar/Lounge/Night Club
- 361 – Funeral Home
- 362 – Vet Clinic
- 373/378 – Retail
- 397/398 – Office Warehouse

6. Business Personal Property – all accounts will be reviewed

7. Confirmation of 1-d-1 agricultural / timber use with an apply year of 2001-2002.

Analysis of Available Resources

Staffing and budget requirements for tax years 2021- 2022 are addressed within their respective budgets, adopted in accordance with Section 6.06 of the Tax Code. Staffing will impact the cycle of re-inspection that can be accomplished in the 2021–2022 time period. The appraisal activities are conducted by 19 appraisers including the Chief Appraiser.

All personnel that are performing appraisal work must be registered with the Texas Department of Licensing and Regulation and are required to take appraisal courses to achieve the status of Registered Professional Appraiser. Appraisers must complete all coursework within 5 years of employment. After they are awarded their certificate, appraisers must comply with continuing education requirements per the Texas Administrative Code Rule 94.25.

Existing appraisal practices, which are continued from year to year, will be reviewed and kept current. In each year, real property cost and depreciation tables will be tested against verified sales data to ensure they accurately reflect current market data. Residential analyst staff will evaluate the residential cost and depreciation tables to ensure consistency of data with that of *Marshall & Swift*, which is a nationally recognized cost service. Commercial analyst staff will conduct studies of capitalization rates and current market rents to update income models, verify sales data, and adjust commercial depreciation and cost tables to reflect current market data.

The district has an onsite Information Systems and Geographical Information Systems staff. These staff members maintain software applications, internet website information, as well as GIS information. Information Systems (IS) support will be detailed with year-specific functions identified and system upgrades scheduled. Computer generated forms will be reviewed for revisions based on year and legislation changes. Legislative changes will be scheduled for timely completion and testing. Existing maps and data requirements will be specified, and updates put in production as needed.

Planning and Organization

For each year, a calendar of key events with critical completion dates will be prepared for each major work area. This calendar identifies key events for appraisal, administrative, inquiry, and information systems. Production goals for field activities will be established and incorporated in the planning and scheduling process.

Apart from the work plan, key appraisal activities which occur every year include:

1. Any account that has been flagged for re-inspection or partial complete status as of January 1 of the prior year;
2. Any account that had a significant building permit issued from one of the cities from January 1 to December 31 and construction began prior to January 1;
3. Any account where data or inquiry has been provided to SCAD that indicates the property has had a conditional change that is not currently reflected on the record;
4. Every delineated market area or, “neighborhood”, using statistical analysis and mass appraisal market factors;
3. Any account or area deemed to be in need of reappraisal by supervision;
4. All business personal property accounts;
5. Any accounts in accordance with contracted appraisal services for minerals, industrial, etc.;
6. Homogeneous neighborhoods with at least 5 valid sales yielding a COD over 10; and
7. Heterogeneous neighborhoods with at least 10 valid sales yielding a COD over 15.

2021 & 2022 Calendar of Key Events (Attached in Appendix A)

System Development – Mass Appraisal

Beginning in 2009, the district began utilizing the Mass Appraisal Records System (MARS) Computer Assisted Mass Appraisal (MARS/CAMA) system developed by Beyond Appraisal, Inc. MARS/CAMA system revisions will be specified and scheduled with Information Systems. All computer forms and I.S. procedures will be reviewed and revised as required. The following details these procedures as they relate to the 2021 and 2022 tax years:

Real Property Valuation

Revisions to cost models, income models, and market models will be specified, updated and tested each tax year.

Cost schedules will be tested with market data (sales) to ensure that the appraisal district is in compliance with Texas Property Tax Code, Section 23.011. Replacement cost new tables as well as depreciation tables will be tested for accuracy and uniformity through ratio studies and comparison with cost data from *Marshall & Swift*.

Land tables will be updated using current market data (sales) and then tested with ratio studies. The most recent vacant land sales will be closely reviewed to determine whether the rural neighborhood boundaries should be modified to accurately reflect changing patterns in the market values. Value modifiers will be developed for property categories by market area and tested on a pilot basis with ratio studies. Standardized land influence factors for adjusting for differences in physical characteristics (i.e. topography, road frontage, etc.) will be developed from appropriate paired sales analyses derived from the sales used to calibrate the land tables.

Income, expense, and occupancy data will be updated in the income models for each market area or property type, and cap rate studies will be completed using current sales data. The resulting models will be tested using ratio studies.

Personal Property Valuation

Business personal property renditions are received from taxpayers between January 1 and April 1. Accounts will be reviewed as categories based on SIC codes (standard industrial classification codes). Account variance among the categories will be analyzed. A review of the current commercial vehicle registrations will be completed. This analysis will identify variances among currently assessed vehicle values and those that are commercially registered in the county.

Depreciation tables will be compared to state depreciation tables released by the comptroller's office. Density schedules, where utilized, will be updated as needed using data received during the previous tax year from renditions and hearing documentation. Valuation procedures will be reviewed, modified as needed, and tested.

Appraisal Notices

In accordance with Section 25.18(b) of the Tax Code which states that all real and personal property in the district be reappraised at least once every three years, Section 25.19(a) requires that, "By April 1 or as soon thereafter as practicable" the chief appraiser, "shall deliver a clear and understandable written notice to a property owner of the appraised value of the property owner's property." Furthermore, the Tax Code outlines the circumstances in which a notice should be mailed which include:

- (1) The appraised value of the property is greater than it was in the preceding year;
 - (2) The appraised value of the property is greater than the value rendered by the property owner;
 - (3) The property was not on the appraisal roll in the preceding year
- or

- (4) An exemption or partial exemption approved for the property for the preceding year was cancelled or reduced for the current year.

Moreover, in accordance with Section 25.19(b)(1) – (b)(9), appraisal notices will be reviewed for legal sufficiency and correctness. Enclosures will be updated as needed to comply with legal requirements.

Lastly, the Smith CAD board of directors may allow the chief appraiser to observe Section 25.19(e) of the Tax Code which provides, “The chief appraiser, with the approval of the appraisal district board of directors, may dispense with the notice required by Subsection (a)(1) if the amount of increase in appraised value is \$1,000 or less.” Every property owner will be sent a notice of appraised value at least once every 3 years.

Hearing Process

Protest hearing scheduling procedures for informal and formal appraisal review board hearings will be reviewed and updated as required. Standards of documentation will be reviewed and amended as required. The appraisal district hearing documentation will be reviewed and updated to reflect the current valuation methods and practices. Production of documentation will be tested and compliance with Tax Code requirements will be ensured.

Pilot Study

Whenever new procedures are considered, it is prudent to conduct a pilot study of the new procedures, including a ratio study in one or two areas of a jurisdiction to ensure the new procedures produce accurate and reliable results prior to full implementation. A pilot study can be a useful tool in developing or modifying the new procedures or for determining the contemplated procedures do not work as anticipated.

Data Collection – Identifying and Updating Relevant Characteristics for each Property

Field and office procedures will be reviewed and revised as required for data collection. Activities scheduled for each tax year include inspection of new construction, demolition, and remodeling, re-inspection of problematic market areas, and periodic re-inspection of the universe of properties.

New Construction/ Demolition

Appraisers performing reappraisals in the field are provided property record cards that contain specific information regarding the property being appraised. These cards contain brief legal descriptions, ownership information, property use codes, addresses, land size, sketches of improvements, a photograph of the property, as well as detailed information relating to all values for improvements.

New construction may be identified from various methods such as field inspections, building permits obtained from cities, or aerial photography. If physical inspection of the property indicates changes to improvements, the appraiser makes note of the changes in the field and returns them to the office to be

keyed into the system. Examples of changes that might be made to an improvement are condition, building class, and effective age. Individual properties are also reappraised due to changes in condition regarding fire, remodeling, or an addition or demolition of a portion of the improvement

Market Analysis

In addition to the reappraisal work plan, NBHDs will be analyzed annually. The real property NBHDs, stratified by property classification, will be tested for low or high sales ratios, and high coefficients of dispersion. NBHDs that fail any or all of these tests will be reviewed. Field reviews will be scheduled to verify and correct property characteristics data. Additional sales data will be researched and verified in order to assess whether the NBHD is correctly defined and stratified.

Sales Data

Sales data is also gathered by sending sales letters to the buyers of properties that the district knows changed ownership. Sales are confirmed from the direct parties involved whenever possible. SCAD subscribes to the Greater Tyler Area Board of Realtors' *Multiple Listing Service*. Confirmation of sales from local real estate appraisers is also considered a reliable source.

Data listed on the property record is verified and updated as needed such as building classification, building size, additions, condition of structures and any change in characteristics that would affect the value of the property.

Individual sales are analyzed to verify whether they meet the definition of market value per Texas Property Tax Code Section 1.04(7). Arm's length (valid) transactions are preferred for mass appraisal

purposes. In accordance with Texas Property Tax Code, Section 23.01 (c)(1) distressed (e.g. foreclosed, short sales) sales will be considered. In NBHDs where the number of sales is scarce, sales with non-typical financing may be used if the terms of financing are known and proper adjustments can be made to the sale price. Examples of reasons why sales may be excluded are:

1. Property acquired through foreclosures or auction, if the transaction does not meet the definition of market value in the Texas Property Tax Code.
2. Property sold between relatives.
3. The buyer or seller is under duress and may be compelled to sell or purchase.
4. Financing may be non-typical or below or above prevailing market rates.
5. Considerable improvements or remodeling have been done since the date of the sale and the appraiser is unable to make judgments on the property's condition at the time of the transaction.
6. Sales may be unusually high or low when compared with typical sales located in the market area due to seller relocation or divorce proceedings.
7. The property is purchased through an estate sale.

8. The sale involves intangibles, such as goodwill.
9. There are value-related problems associated with the sale, i.e. incorrect land size or square footage of living area.
10. Property use changes occurring after the sale.

Furthermore, several sources are explored for economic and market data which can be used in market analyses. Some examples include: “Texas A&M Real Estate Center”, “Realty.com”, “Economic Development Council”, “Greater Tyler Association of Realtors”, “U.S. Bureau of Economic Analysis”, along with SCAD’s own collection techniques using surveys and deed information.

Market Area Delineation

There are approximately 100 market areas (or neighborhood areas) within the Smith CAD that are defined by the physical, economic, governmental and social forces that influence property values. The effects of these forces are used to identify, classify, and stratify or delineate similarly situated properties into smaller, more comparable and manageable subsets for valuation purposes, known as neighborhoods (NBHDs). Delineation can involve the physical, geographic identification of NBHD boundary lines on a map or, it can also involve statistical stratification within a NBHD area based on attribute analysis. These homogeneous properties have been delineated into valuation NBHDs for residential property or economic class for commercial property. Because there are discernible patterns of growth that characterize a NBHD or market segment, analyst staff will evaluate and redefine the NBHD boundaries or market segments when necessary in order to ensure homogeneity of property characteristics.

Market factors are applied to NBHDs to add or subtract additional value to/from the total CAMA calculated value for each property record to represent the NBHD’s correct market adjusted value. Ratio studies, forecasting, and regression modeling are the primary methods for establishing trends and calculating the market factors (location factors) within a NBHD. Each method is described in detail in the appropriate appraisal manual. A detailed list of each NBHD with property population, average values, age, size, and location factors and a map of NBHD areas can be found in Appendix B.

The NBHD code is identified on the property record in MARS in the Owner module on the Ownership [1] tab. It is located on the right side of the screen on the third line under Situs Address. The naming conventions used are described in Appendix B.

Quality Control

Mass Appraisal is the valuation of many properties as of a given date, using standard procedures and statistical testing. The scale of mass appraisal requires that many people work on the process. It requires standardized procedures across many properties. Therefore, quality is measured differently in mass appraisal compared to single property appraisal. In mass appraisal, statistical methods are used to measure quality. These methods are described in the sections of this Reappraisal Plan under Valuation Policy – Reappraisal Cycle, Reappraisal Activities (paragraphs 1, 6), Performance Analysis, Production of Values.

During the field review process, the quality control division measures appraisal performance keyed to the concepts of Mass Appraisal quality assurance as required by USPAP, IAAO, and State law. The quality of

data is important in establishing accurate values of property. The quality control process is performed by supervisory review of the appraisal work being done by field appraisers. Field appraisers are responsible for quality assurance of data entry.

A quality control team is responsible for confirmation of the accuracy of collected field data of the field appraisers for residential, commercial and business personal property. The quality control team will routinely audit field work of completed areas by performing random audits of property throughout the appraisal cycle. Once the field work audit is completed, a report will be generated by the quality control team. These results will be electronically filed by appraisal year.

Production of Values

Valuation models are specified and calibrated using market analysis of comparable sales and cost data, and market area specific income and expense data. Calculated values are tested for accuracy and uniformity using ratio studies. Property values in all market areas are reviewed for update each year.

Residential Real Property

Ratio studies will be conducted on each of the approximately 400 residential valuation neighborhoods in the district to judge the two primary aspects of mass appraisal accuracy - level and uniformity of value. The valuation process for residential property typically begins in September. Land analysis, sales outlier review, neighborhood sales analysis, and finalization of proposed estimates of value will likely occur from September through March.

Valuation Methods Used:

Cost Approach

The district will use a combined cost-market approach when valuing single-family and multi-family residential properties. Before each reappraisal year the base cost and any additional residential cost schedules will be reviewed and revised as needed.

Residential cost schedules are reviewed and revised using sales of newly constructed sold properties of varying construction quality in Smith County. In this method, the indicated “base cost” must be “backed into”. In the last several years this process has become more difficult with many homebuilders using widely varying profit margins, often from one project to the next.

The district also uses the comparative unit method to develop the “base” cost of a structure. In this method the base would be the remaining difference (constant) after all additional components are determined by using the unit-in-place method. Table-driven cost factors, taken from *Marshall & Swift*, a nationally recognized commercial cost service, will be adjusted for local or regional differences in construction and labor costs. When reliable data is available from the local market it will be used, particularly with regards to secondary structures. The results of this comparison will be analyzed using several measures, including stratification by quality and review of estimated building costs, as well as land value to sales prices.

The focus on new cost (discussed above), may skew data that can result in a pattern of under-appraisal of older properties and neighborhoods. This sometimes occurs because of limited data in the market required to accurately adjust depreciation tables. Ratio studies limited to sales of homes with depreciated RCNs may be used to determine the necessary adjustment to the base-cost to more accurately appraise the older homes/neighborhoods. This enables efficient and more accurate direct equalization between neighborhoods, in effect providing for direct compensation of any appraisal inaccuracies in new construction on a neighborhood basis.

In 2021 and 2022 the methods described above will be used and the results reconciled to determine appropriate adjustments to the base-cost.

Neighborhood or Market Adjustment factors will be developed from appraisal statistics provided by ratio studies to ensure that estimated values reflect both the supply and demand side of the market. The following equation denotes the model used:

$$MV = [((RCN - D) + AV) * MA] + L$$

where MV= appraised or estimated market value
 RCN= replacement cost new of improvement(s)
 MA=Market Area-specific adjustment factor
 D= accrued depreciation
 AV= additional improvement value
 L= land value

Market Area - specific adjustment factors are applied to account for local differences between defined areas. This appraisal phase is also known as direct equalization.

Residential land values are estimated based on market sales. Adjustments to land appraisals may be based on parcel size, shape, rights-of-way or easements, slope, drainage issues, and where necessary, economic obsolescence. Land values are calculated by any of the various units in place or, when data is insufficient to accurately determine the appropriate unit or unit values, by site value.

In saturated Market Areas (Neighborhoods) where there are insufficient vacant land sales available, market area specific adjustment factors for land are calculated based upon ratio studies. The appropriate land adjustment will be determined by calculating the MA factor required to achieve an appropriate land: total value or land: total sale price ratio. This model may be described in equation form as follows:

$$MV = ((RCN - D) + AV) + (L * MA)$$

After this has been completed, the ratio study will then be used to determine whether an additional MA factor is required to adjust the improvement values to accomplish accurate appraisals. The model required to adjust both the improvement and land values may be described in the equation form as follows:

$$MV = [((RCN - D) + AV) * MA] + (L * MA)$$

The sales used to determine the market adjustment factor(s) will reflect the market influences and conditions only for the specified neighborhood, thus producing more representative and supportable values. The market adjustment factor(s) calculated for each update neighborhood will be applied uniformly to all properties within a neighborhood and a second set of ratio studies will be generated that compares recent sale prices with the proposed market values for these sold properties. From this set of ratio studies, the analyst will judge the appraisal level and uniformity in both update and non-update neighborhoods.

Sales Comparison Approach

As indicated in *Property Appraisal and Assessment Administration* (IAAO, 1990), in the absence of a sale of the subject, sales prices of comparable properties are usually considered the best evidence of market value. The sales comparison approach models the behavior of the market by comparing the properties being appraised with comparable properties that have recently sold or for which offers to purchase have been made. Their sales prices will then be adjusted for differences from the subject and a market value for the subject is estimated from the adjusted sales prices of comparable properties.

Although the district does not use the direct sales comparison approach as a primary method of valuation, it is, on occasion, used for verification of market value estimates.

Income Approach

The income approach is based on the principle that the value of an investment property reflects the quality and quantity of the income it is expected to generate over its life. In other words, value is the estimated present value of future benefits, namely income and proceeds from the sale of the property. The appraiser must estimate income from a property and capitalize the income into an estimate of current value.

The model used to estimate the present value of income expected in the future is represented by the following formulas known as IRV.

Value = Income/Rate or, Income = Rate x Value or, Rate = Income/Value

The income approach is most suitable for types of properties frequently purchased and held for the purpose of producing income, such as apartments, commercial buildings, and office buildings. It is not conducive to the valuation of single-family residential properties that are seldom rented, or where market demand factors such as personal preferences or location unduly influence the market.

Inventory Residential Property

Residential improved and vacant property, when qualified as an inventory, will be appraised in compliance with the Texas Property Tax Code, Section 23.12 (a).

In general, the district uses its land value estimates and the actual itemized construction, labor, and material costs, plus other soft or indirect costs to estimate market value as of the assessment date. The market values of improved inventory will be reviewed annually, and inventory consideration will be eliminated when ownership transfers to the individual property owner.

Vacant residential inventory, when appropriate, will be valued using a discounted cash flow formula that considers value relative to the income or cash flow, the interest or discount rate, and the number of years the property is likely to be held. As with improved inventory, full market value will be applied once the vacant land is absorbed and ownership transfers for the purpose of residential construction.

Agricultural and Timber Land

The appraisal of agricultural or timber land is governed by Chapter 23 of the Tax Code. The appraised value of qualified open-space or timber land is determined on the basis of the category of land, using accepted income capitalization methods applied to average net to land.

Schedules for valuing qualified land have been developed for various agricultural uses and types of timber production. These schedules are reviewed annually and updated as needed using data from recognized sources such as the Texas Forest Service and the Texas Agricultural Extension Service as well as local landowners engaged in leasing land for agricultural use. Agricultural/Timber schedules are periodically reviewed with the district's Agricultural Advisory Board.

Commercial Real Property

All commercial properties including but not limited to retail properties, apartments, warehouses, medical offices, golf courses, office buildings and mobile home parks will be valued by the cost approach, the income approach, or the sales comparison approach as deemed most appropriate pursuant to Section 23.0101 of the Tax Code. Ratio studies will be performed to test the level and uniformity of appraisal within specific property use categories.

Valuation Methods Used:

Cost Approach

The cost approach to value will be applied using the comparative unit method. This methodology involves the use of national cost data estimating services as well as actual cost information on comparable properties whenever possible. Cost models are typically developed based on *Marshall & Swift Service* and cost tables developed from local construction indexes. Cost models include the use of replacement cost new (RCN) of all improvements. The "replacement cost" will be used because it values the cost of a property that is a utility equivalent of the property being appraised using current construction methods and materials. Such costing is contra to "reproduction cost", which is defined as the cost to construct an exact duplicate of the property being appraised. Replacement cost new includes comparative base rates, per unit adjustments and lump sum adjustments. Time and location modifiers will be necessary to adjust cost data to reflect conditions in a specific market and changes in costs over a period of time. Because a national cost estimating service is used as a primary basis for our cost models, local modifiers will be applied to adjust the base costs specifically for Smith County.

Depreciation schedules will be developed based on what is typical for each property type of a specific age. Depreciation schedules have been implemented for what is typical of each major class of commercial property by economic life categories. Schedules have been developed for improvements with various terms of estimated expected economic life. These schedules will be tested periodically to ensure they will be reflective of current market conditions. The actual and effective ages of improvements will be noted in the CAMA software. Effective age estimates will be based on the utility of the improvements relative

to the improvement's total economic life and its competitive position in the marketplace.

Market adjustment factors such as external, economic and functional obsolescence will be applied, if warranted. A depreciation calculation override will be applied if the condition or effective age of a property varies from the norm. This override is indicated by appropriately noting the physical condition and functional utility ratings on the property data characteristics. These adjustments will typically be applied to a specific property type or location and will be developed through ratio studies or other market analyses. Accuracy in the development of the cost schedules, condition ratings, and depreciation schedules usually minimize the necessity of this type of an adjustment factor.

Sales Comparison Approach

Although all three of the approaches to value are based on market data, the Sales Comparison Approach is most frequently referred to as the Market Approach. This approach is utilized not only as a primary method for estimating land value but also in comparing sales of similarly improved properties to each parcel on the appraisal roll. Pertinent data from actual sales of properties, both vacant and improved, will be obtained throughout the year in order to analyze relevant information, which is then used in all aspects of valuation. Sales of similarly improved properties can provide a basis for the depreciation schedules in the cost approach, rates and multipliers used in the income approach, and as a direct comparison in the sales comparison approach. Improved sales will also be used in ratio studies, which afford the analyst an excellent means of judging the present level and uniformity of the appraised values.

Based on the market data analysis and review discussed in the cost, income and sales approaches, the cost and income models will be calibrated annually. The calibration results will be keyed to the schedules and models in the CAMA system for utilization on all commercial properties in the district.

Income Approach

The income approach to value will be applied to those real properties that are typically viewed by market participants as "income producing", which are bought and sold based on the property's ability to produce income, and for which the income methodology is considered a leading value indicator. The first step in the income approach pertains to the estimation of market rent. This is derived primarily from actual rent data furnished by property owners and local market study publications. This per unit rental rate multiplied by the number of units results in the estimate of potential gross rent.

A vacancy and collection loss allowance is the next item to consider in the income approach. The projected vacancy and collection loss allowance is established from actual data furnished by property owners and local market publications. This allowance accounts for periodic fluctuations in occupancy, both above and below an estimated stabilized level. The market derived stabilized vacancy and collection loss allowance is subtracted from the potential gross rent estimate to yield an effective gross rent. A secondary income or service income is calculated as a percentage of stabilized effective gross rent. Secondary income represents parking income, escalations, reimbursements, and other miscellaneous income generated by the operations of real property. The secondary income estimate is derived from actual data collected and available market information. The secondary income estimate is then added to effective gross rent to arrive at an effective gross income or EGI.

Allowable expenses and expense ratio estimates will be based on a study of the local market, with the assumption of "prudent management". An allowance for non-recoverable expenses such as leasing costs

and tenant improvements will be included in the expenses. A non-recoverable expense represents costs that the owner pays to lease rental space. Different expense ratios will be developed for different types of commercial property based on use. For instance, retail properties are most frequently leased on a triple-net basis, whereby the tenant is responsible for his pro-rata share of taxes, insurance and common area maintenance. In comparison, a multi-tenant office building is most often leased on a base year expense stop. This lease type stipulates that the owner is responsible for all expenses incurred during the first year of the lease. However, any amount in excess of the total per unit expenditure in the first year is the responsibility of the tenant. Under this scenario, the total operating expense in year one establishes the base rate. Any increase in expense over the base rate throughout the remainder of the lease term would be the responsibility of the tenant. As a result, expense ratios will be implemented based on the type of commercial property.

Another form of allowable expense is the replacement of short-lived items, such as roof or floor coverings, air conditioning or major mechanical equipment, or appliances requiring expenditures of large lump sums. When these capital expenditures are analyzed for consistency and adjusted, they may be applied on an annualized basis as stabilized expenses. When performed according to local market practices by commercial property type, these expenses when annualized are known as replacement reserves. Subtracting the allowable expenses (inclusive of non-recoverable expenses and replacement reserves) from the effective gross income yields an estimate of net operating income or NOI.

Rates and multipliers will be used to convert income into an estimate of market value. These include income multipliers, overall capitalization rates, and discount rates. Each of these is used in specific applications. Rates and multipliers also vary between property types, as well as by location, quality, condition, design, age, and other factors. Therefore, application of the various rates and multipliers must be based on a thorough analysis of the market and are substantiated by national and regional surveys produced by such companies as Korpacz Real Estate Investor Survey.

Capitalization analysis will be used in the income approach models. This methodology involves the capitalization of net operating income as an indication of market value for a specific property. Capitalization rates, both overall (going-in) cap rates for the direct capitalization method and terminal cap rates for discounted cash flow analyses will be derived from the market. Sales of improved properties from which actual income and expense data are obtained provide a very good indication of what a specific market participant is requiring from an investment at a specific point in time. Additionally, overall capitalization rates can be derived from the built-up method, band-of-investment, debt coverage ratio, and published sources for similar properties, as well as results from verified sales. The capitalization rates relate to satisfying the market return requirements of both the debt and equity positions of a real estate investment. This information is obtained from real estate and financial publications, as well as cap rate studies conducted by the district using verified sales and income information for that specific property.

Rent loss concessions will be made on specific properties with known vacancy problems. A rent loss concession accounts for the impact of lost rental income while the building is moving toward stabilized

occupancy. The rent loss will be calculated by multiplying the rental rate by the percent difference of the property's stabilized occupancy and its actual occupancy. Build out allowances (for first generation space or retrofit/second generation space) and leasing expenses will be added to the rent loss estimate. A leasing expense necessary to bring the property to a stabilized level is also included in this adjustment. The total adjusted loss from these real property operations will be discounted using an acceptable risk

rate. The discounted value, inclusive of rent loss due to extraordinary vacancy, build out allowances and leasing commissions, becomes the rent loss concession and will be deducted from the value estimate of the property at stabilized occupancy. A variation of this technique allows that for every year that the property's actual occupancy is less than stabilized occupancy a rent loss deduction may be estimated.

Conversely, if a property were consistently above the stabilized occupancy level as of the appraisal date, the market would pay a premium for this situation. In this instance, the present value of the excess income over the stabilized level will be added to the value of the property.

Industrial Real Property

These properties will be valued each tax year by district staff. Industrial properties will typically be valued on a cost approach basis since these properties have a low frequency of being bought and sold in the open market compared to commercial and residential properties. In addition, since these properties are owner occupied, the income approach to value will rarely be applicable to industrial properties.

Some special use properties, such as amusement facilities, will be valued in the commercial section. An income approach may be used to value these properties.

Valuation Methods Used:

Cost Approach

The cost approach is most applicable to the valuation of industrial properties. The values will be appropriately adjusted for age and condition and, if warranted, additional adjustment will be made for facility utilization. For example, two facilities making the same or similar products will not necessarily have values close together because one facility may have better efficiencies, which makes that facility worth more in the market. The market's estimation of the worth of a facility will be considered since there will rarely be any similar properties available for comparison under the sales or income approaches to value.

Cost schedules will be tested to ensure that the appraisal district is in compliance with Texas Property Tax Code, Section 23.011. Replacement cost new tables as well as depreciation tables will be tested for accuracy and uniformity using cost data primarily from *Marshall & Swift*.

Sales Comparison Approach

As previously stated, industrial real property does not have a history of being bought and sold with any regularity in the open market. In fact, most industrial facilities remain just as they are, without changing ownership.

The few sales of industrial facilities that do occur are typically difficult to analyze. The sales are usually part of a merger, acquisition or liquidation. Intangible considerations may be part of the sales price but are not typically disclosed. Acquiring verifiable sales of stand-alone industrial properties, in order to have a representative sample of properties when valuing industrial properties, is a challenge.

Utility properties, such as electric generation, electric transmission, telephone, and cable systems are typically sold on a unit basis. In other words, when a utility sells, it sells as an entire company, not piecemeal assets. This makes the sales comparison approach difficult to apply.

Income Approach

Industrial facilities are rarely valued by the income approach to value since they are usually owner occupied. These facilities are usually general commercial structures built to meet an industrial owner's very specific needs over a certain period of time. In other words, an industrial facility is built for that owner's needs and not built to lease out the facility to another industrial user. There are not enough industrial facilities built by industrial users that are leased out to other industrial users to be a meaningful universe of properties for valuation purposes, if they can be found at all.

Industrial real property valuation analysts consider all three approaches to value to see which approach is most applicable to the property being valued. Usually, the cost approach is most applicable for the reasons previously given, but if there are any commercial properties that are closely similar to the industrial property being valued, then the approach to value for the commercial property is reviewed to see if its method is suitable for the industrial property being examined.

The income approach is the most valid approach to use in valuing utility properties. The reason is that the unit as a whole is being valued and the result apportioned to the component parts of the whole. The worth of this income stream can be compared to other investment opportunities to select the proper capitalization rate to apply to the income stream to estimate the value of the system. The worth of a utility is the income stream the system will generate compared to alternative investments that may have less risk in the market. The capitalization rate that is used to estimate the value of the income stream from the utility will always have a risk component in the capitalization rate. The usual forms of depreciation will be applied to the valuation and any additional consideration for economic issues will be applied. These factors will usually be reflected in the risk portion of the capitalization rate.

Business and Industrial Personal Property

Valuation Methods Used:

Cost Approach

An approach to the valuation of business and industrial personal property is the cost approach. Cost analysis will be developed based on Standard Industrial Classification (SIC) codes. Data will be reviewed to conform to changing market conditions, if necessary.

Cost data is used to derive valuation summaries for specific categories of assets and/or SIC codes. The summaries indicate a range of values for replacement cost new (RCN) per square foot (or applicable unit), where available.

These values will be used to estimate the value of new accounts for which no property owner's rendition is filed. They also establish parameters for testing the valuation of property for which prior years' data exist or for which current year rendered information is available. This approach uses RCN, which is developed from property owner reported historical cost or other sources.

The percent good depreciation factors will be compared with the depreciation schedules for furniture, fixtures, and equipment provided by the Property Tax Assistance Division of the State Comptroller's Office when available. This mass appraisal percent good depreciation schedule is used to ensure that estimated values are uniform and consistent within the market. RCN and percent good depreciation factors will be utilized to develop value estimates using the following formula:

MARKET VALUE ESTIMATE = RCN x PERCENT GOOD FACTOR

Sales Comparison Approach

Business personal property is typically sold as part of the business as a whole and not by itself, which makes this approach unsuitable for valuing most personal property. This approach is only suitable for the valuation of certain types of vehicles, heavy equipment, and airplanes. Value estimates for vehicles will be provided by independent sources and are based on data furnished by National Market Reports. These types of properties will be appraised using published market guides such as NADA book values or Aircraft Bluebook Price Digest.

There are not enough known sales of industrial personal property to have a meaningful population of sales for value comparison purposes. This category of personal property is inclusive of all types at a facility, such as furniture, computers, and machinery. It is typical for personal property to be included in the sale of a facility, instead of being sold separately. There may be subsets of personal property that are sold, but that does not provide the sales of all personal property necessary to make value comparisons under the sales approach.

Income Approach

The income approach has limited use in the appraisal of machinery, equipment, furniture, fixtures, and leasehold improvements because of the difficulty in estimating future net benefits; except in the case of certain kinds of leased equipment. When reliable data on equipment leases is available, the income approach may be used to estimate fair market value of the equipment.

The income approach is not suitable in the appraisal of industrial personal property because the industrial facility operator in the production of an end service or product is using the personal property. Industrial facilities are not in the business of leasing their personal property to another industrial facility for the production of an end service or product.

Oil and Gas Property

Smith County Appraisal District contracts with Capitol Appraisal Group, Inc. (CAGI) to appraise all oil and gas properties annually. The Reappraisal plan states:

1. Identification of new property and its situs

As subsurface mineral properties lie within the earth; they cannot be physically identified by inspection like other real property. However, the inability to directly inspect does not appreciably affect the ability to identify and appraise these properties. To identify new properties, CAGI obtains monthly oil and gas lease information from the Railroad Commission of Texas (RRC) to compare against oil and gas properties already identified. The situs of new properties is

determined using plats and W-2/G-1 records from the RRC as well as CAGI's in-house map resources.

2. *Identifying and updating relevant characteristics of all oil and gas properties to be appraised*

Relevant characteristics necessary to estimate value of remaining oil or gas reserves are production volume and pattern, product prices, expenses borne by the operator of the property, and the rate at which the anticipated future income should be discounted to incorporate future risk. CAGI obtains information to update these characteristics annually from regulatory agencies such as the RRC, the Comptroller of Public Accounts, submissions from property owners and operators, as well as from published investment reports, licensed data services, service for fee organizations and through comparable properties, when available.

3. *Defining market areas in the district and identifying property characteristics that affect property value in each market area*

Oil and gas markets are regional, national and international. Therefore, they respond to market forces beyond defined market boundaries as observed among more typical real properties.

4. *Developing an appraisal approach that best reflects the relationship among property characteristics affecting value and best determines the contribution of individual property characteristics*

Among the three approaches to value (cost, income, and market), the income approach to value is most commonly used in the oil and gas industry. Through use of the discounted cash flow technique in particular, the appraiser is able to bring together relevant characteristics of production volume and pattern, product prices, operating expenses and discount rate to determine an estimate of appraised value of an oil or gas property.

5. *Comparison and review*

Use of the income approach is the first step in determining an estimate of market value. After that, the appraiser reviews the estimated market value compared to its previous certified value and also compares it to industry expected payouts and income indicators. The appraiser examines the model's value with its previous year's actual income, expecting value to typically vary within a range of 2-5 times actual annual income, provided all appropriate income factors have been correctly identified. Finally, periodic reassignment of properties among appraisers and review of appraisals by a more experienced appraiser further expand the review process.

6. *Availability of Market data*

Market data used in the valuation of a property is available to the CAD and the property owner upon request, or may be available in electronic format for viewing on the CAG website <http://www.cagi.com>.

Preparation of the Appraisal Roll

Once the appraisal roll is completed and all accounts and improvements have been updated, Section 25.22(a) of the Property Tax Code states, “By May 15 or as soon thereafter as practicable, the chief appraiser shall submit the completed appraisal records to the appraisal review board for review and determination of protests.”

Each tax year, the mass appraisal report is prepared and certified by the chief appraiser at the conclusion of the appraisal phase of the ad valorem tax calendar (on or about May 15th). The mass appraisal report is completed in compliance with USPAP Standard Rule 6-8. The signed certification by the chief appraiser is compliant with USPAP Standard Rule 6-9.

Final Performance Analysis

Value Defense

The appraisal district, to meet its burden of proof for market value and equity in both informal and/or formal appraisal review board hearings, will rely on data in its possession or data obtained from other sources, as appropriate. Inspection and/or disclosure of evidence and related materials will comply with Section 41.461 of the Tax Code. Disclosure of such data will be compliant with statutory confidentiality requirements.

Independent Performance Test

In addition to sales ratio studies performed by the appraisal district, the State Comptroller’s Property Tax Assistance Division (PTAD) conducts a biannual property value study (PVS) of each Texas school district and each appraisal district. As part of this biannual study, the code requires the Comptroller to use sales and recognized auditing and sampling techniques, to test the validity of school district taxable values in each appraisal district and presume the appraisal roll values are correct when values are valid, and determine the level and uniformity of property tax appraisal in each appraisal district. Each school district is arrayed by value and stratified into quartiles with the lowest 5% of a school districts value omitted from the study. Moreover, real estate is separated into several categories to test each independently.

The Property Value Study, quarterly ratio studies, and the prior year’s mass appraisal report are all used in conjunction to determine proper direction for the future year’s reappraisal efforts. This outside (third party) ratio study provides additional assistance to Smith County Appraisal District in determining areas of market activity or changing market conditions. Results from the upcoming 2021 Property Value Study will be reviewed and analyzed by appraisal managers. Geographic areas or property categories with unsatisfactory ratio results will be added to the work plan for the 2022 reappraisal cycle.

Appendix A

Calendar of Events

2021 & 2022 RESIDENTIAL CALENDAR OF EVENTS

[illegible]

2021 & 2022 COMMERCIAL/INDUSTRIAL CALENDAR OF EVENTS

[illegible]

2021 & 2022 PERSONAL PROPERTY CALENDAR OF EVENTS

[illegible]

Appendix B

Neighborhood Detail

NBHD - SUBDIVISION POPLUATION DETAIL REPORT

NBHD	POPULATION	AVG IMP VAL	AVG LAND VAL	AVG TOT VAL	LOC FCTR	LAND LOC FCTR
AR0100	57	\$ 45,124	\$ 16,765	\$ 61,890	1.00	1.00
AR0100M	13	\$ 8,562	\$ 744	\$ 9,306	1.00	1.00
AR0200	178	\$ 58,306	\$ 13,302	\$ 71,608	1.00	1.00
AR0200C	1	\$ 1,709	\$ 10,560	\$ 12,269	1.00	1.00
AR0200M	32	\$ 26,670		\$ 26,670	1.00	1.00
AR0300	531	\$ 66,707	\$ 13,471	\$ 80,178	1.14	1.00
AR0300C	3	\$ 30,655	\$ 4,000	\$ 34,655	1.00	1.00
AR0300M	31	\$ 17,073		\$ 17,073	1.00	1.00
AR0400	95	\$ 63,195	\$ 14,858	\$ 78,052	1.03	1.00
AR0400M	8	\$ 32,698	\$ 529	\$ 33,227	1.00	1.00
AROV00	86	\$ 72,046	\$ 12,423	\$ 84,469	1.00	1.00
BU0100	28	\$ 276,615	\$ 48,680	\$ 325,294	1.00	1.00
BU0100M	58	\$ 17,964		\$ 17,964	1.00	1.00
BU010B	3	\$ 273,407	\$ 162,441	\$ 435,848	1.00	1.00
BU010M	64	\$ 25,813	\$ 6,121	\$ 31,934	1.00	1.00
BU01A0	388	\$ 34,825	\$ 11,927	\$ 46,752	1.13	1.00
BU01AB	295	\$ 124,620	\$ 85,800	\$ 210,420	1.09	1.12
BU01C0	61	\$ 158,179	\$ 26,198	\$ 184,377	1.08	1.00
BU01F0	383	\$ 192,432	\$ 32,161	\$ 224,593	1.05	1.00
BU01FB	154	\$ 281,689	\$ 175,575	\$ 457,264	1.10	1.30
BU01G0	3	\$ 189,671	\$ 39,599	\$ 229,270	1.00	1.00
BU01GA	200	\$ 177,859	\$ 23,811	\$ 201,670	.96	1.00
BU01GB	121	\$ 279,048	\$ 209,055	\$ 488,102	1.00	1.00
BU01GC	153	\$ 163,705	\$ 58,086	\$ 221,791	1.00	1.00
BU01GV	79	\$ 195,695	\$ 37,516	\$ 233,211	1.03	1.00
BU0200	219	\$ 179,892	\$ 34,226	\$ 214,118	1.00	1.00
BU0200C	1	\$ 88,500	\$ 70,000	\$ 158,500	1.00	1.00
BU0200M	15	\$ 35,271	\$ 2,328	\$ 37,599	1.00	1.00
BU0300	145	\$ 154,813	\$ 30,288	\$ 185,102	.94	1.00
BU0300M	8	\$ 15,362		\$ 15,362	1.00	1.00
BU030R	12	\$ 122,627	\$ 13,915	\$ 136,542	1.00	1.00
BU03A0	210	\$ 63,951	\$ 12,578	\$ 76,529	1.25	1.00
BU03B0	132	\$ 104,216	\$ 27,420	\$ 131,636	1.11	1.00
BU03BA	189	\$ 141,305	\$ 12,856	\$ 154,161	1.15	1.00
BU03C0	8	\$ 151,344	\$ 35,883	\$ 187,226	1.00	1.00
BU03D0	68	\$ 124,446	\$ 23,185	\$ 147,631	.98	1.00
BU03E0	96	\$ 182,517	\$ 24,621	\$ 207,138	1.06	1.00
BU03F0	48	\$ 182,845	\$ 21,590	\$ 204,435	.98	1.00
BU03G0	103	\$ 246,634	\$ 45,715	\$ 292,349	.95	1.00
BU03H0	132	\$ 326,086	\$ 49,054	\$ 375,140	1.00	1.00
BU03I0	11	\$ 548,661	\$ 137,274	\$ 685,935	1.00	1.00
BU03J0	71	\$ 328,904	\$ 64,155	\$ 393,059	1.04	1.00
BU0400	26	\$ 115,857	\$ 21,423	\$ 137,280	1.00	1.00
BU0400C	1	\$ 310,326	\$ 56,750	\$ 367,076	1.00	1.00
BU0400M	3	\$ 16,590		\$ 16,590	1.00	1.00
BU04A0	61	\$ 396,067	\$ 50,178	\$ 446,245	.99	1.00
CH0100	617	\$ 29,484	\$ 9,117	\$ 38,601	1.00	1.00
CH0100C	6	\$ 16,449	\$ 13,564	\$ 30,013	1.00	1.00
CH0100M	89	\$ 15,982		\$ 15,982	1.00	1.00

CH01AA	114	\$ 29,975	\$ 11,149	\$ 41,124	1.00	1.00
CH0200	763	\$ 66,390	\$ 12,696	\$ 79,086	1.13	1.00
CH0200M	55	\$ 22,918	\$ 476	\$ 23,394	1.00	1.00
CH0300	260	\$ 57,996	\$ 13,583	\$ 71,578	1.11	1.00
CH0300M	45	\$ 26,098	\$ 233	\$ 26,332	1.00	1.00
CH0400	292	\$ 95,028	\$ 19,815	\$ 114,843	1.25	1.00
CH0400M	19	\$ 24,679		\$ 24,679	1.00	1.00
CH0500	212	\$ 87,762	\$ 23,097	\$ 110,859	1.24	1.00
CH0500M	19	\$ 31,897		\$ 31,897	1.00	1.00
CH0600	117	\$ 87,468	\$ 22,734	\$ 110,202	1.17	1.00
CH0600A	63	\$ 144,887	\$ 30,901	\$ 175,787	1.11	1.00
CH0600M	16	\$ 23,053		\$ 23,053	1.00	1.00
CH06A0	35	\$ 282,959	\$ 48,775	\$ 331,734	.86	1.00
CH0700	62	\$ 166,895	\$ 27,539	\$ 194,434	1.10	1.00
CH0700M	1	\$ 35,773		\$ 35,773	1.00	1.00
CH070A	2	\$ 34,740	\$ 16,895	\$ 51,635	1.00	1.00
CH0800	654	\$ 74,029	\$ 22,342	\$ 96,371	1.15	1.00
CH0800C	5	\$ 110,112	\$ 14,803	\$ 124,915	1.00	1.00
CH0800M	59	\$ 15,971	\$ 102	\$ 16,073	1.00	1.00
CH08A0	229	\$ 96,508	\$ 15,613	\$ 112,121	1.23	1.00
CH08AA	44	\$ 20,897	\$ 8,663	\$ 29,560	1.00	1.00
CH08C0	115	\$ 146,722	\$ 24,567	\$ 171,289	1.28	1.00
CH08D0	113	\$ 159,483	\$ 34,384	\$ 193,867	1.29	1.00
CH08D1	57	\$ 143,326	\$ 59,734	\$ 203,060	1.06	1.20
CH08G0	42	\$ 239,844	\$ 36,262	\$ 276,106	1.19	1.00
CH08H0	62	\$ 266,774	\$ 61,583	\$ 328,357	1.20	.00
CH0900	4	\$ 88,036	\$ 33,718	\$ 121,754	1.00	1.00
GL0100	132	\$ 58,412	\$ 12,123	\$ 70,534	1.00	1.00
GL0100M	16	\$ 27,739		\$ 27,739	1.00	1.00
GL0200	311	\$ 71,115	\$ 17,856	\$ 88,971	1.05	1.00
GL0200M	43	\$ 23,169		\$ 23,169	1.00	1.00
GL02A0	26	\$ 122,415	\$ 28,856	\$ 151,271	1.00	1.00
GL02B0	51	\$ 171,376	\$ 21,690	\$ 193,066	1.00	1.00
GL02C0	33	\$ 37,476	\$ 13,581	\$ 51,057	1.00	1.00
LI0100	60	\$ 64,661	\$ 1,869	\$ 66,530	1.19	1.00
LI0100A	121	\$ 83,727	\$ 16,316	\$ 100,043	1.23	1.15
LI0100M	48	\$ 34,401	\$ 398	\$ 34,799	1.00	1.00
LI010A	28	\$ 57,148	\$ 16,265	\$ 73,413	1.19	1.00
LI010E	35	\$ 148,758	\$ 22,009	\$ 170,767	1.19	1.00
LI010M	72	\$ 39,871	\$ 15,076	\$ 54,947	1.00	1.00
LI01K0	32	\$ 266,848	\$ 28,850	\$ 295,698	1.12	1.00
LI0200	110	\$ 86,180	\$ 16,752	\$ 102,932	1.00	1.00
LI0200M	18	\$ 29,739		\$ 29,739	1.00	1.00
LI020M	11	\$ 34,990	\$ 15,410	\$ 50,400	1.00	1.00
LI0300	10	\$ 53,514		\$ 53,514	1.16	1.00
LI0300A	176	\$ 103,928	\$ 16,521	\$ 120,449	1.16	1.00
LI0300C	2	\$ 76,583	\$ 7,334	\$ 83,916	1.00	1.00
LI0300M	31	\$ 31,794		\$ 31,794	1.00	1.00
LI030M	112	\$ 43,540	\$ 11,568	\$ 55,108	1.00	1.00
LI0400	2	\$ 71,443	\$ 20,829	\$ 92,272	1.14	1.00
LI0400A	223	\$ 101,226	\$ 18,067	\$ 119,293	1.09	1.00

LI0400C	1	\$ 370	\$ 2,479	\$ 2,849	1.00	1.00
LI0400M	43	\$ 20,223	\$ 3,754	\$ 23,978	1.00	1.00
LI04A0	22	\$ 113,832	\$ 18,820	\$ 132,653	1.18	1.00
LI04F0	19	\$ 156,240	\$ 29,374	\$ 185,615	1.05	1.00
LI04G0	17	\$ 233,958	\$ 27,504	\$ 261,463	1.00	1.00
LI04H0	8	\$ 183,213	\$ 29,901	\$ 213,113	1.07	1.00
LI04I0	70	\$ 332,785	\$ 34,926	\$ 367,711	1.05	1.00
LI0500	44	\$ 161,840	\$ 26,423	\$ 188,263	1.00	1.00
LI0500C	5	\$ 58,067	\$ 16,255	\$ 74,322	1.00	1.00
LI0500M	25	\$ 9,661	\$ 158	\$ 9,819	1.00	1.00
LI050B	35	\$ 67,928	\$ 13,142	\$ 81,071	.99	1.00
LI050M	7	\$ 40,866	\$ 24,609	\$ 65,474	1.00	1.00
LI05A0	284	\$ 77,179	\$ 12,936	\$ 90,116	1.26	1.00
LI05AA	53	\$ 16,754	\$ 18,156	\$ 34,910	1.00	1.00
LI05AB	105	\$ 37,818	\$ 11,438	\$ 49,256	1.00	1.00
LI05B0	218	\$ 106,664	\$ 15,885	\$ 122,548	1.22	1.00
LI05BA	168	\$ 118,724	\$ 18,716	\$ 137,439	1.06	1.00
LI05C0	117	\$ 122,539	\$ 17,534	\$ 140,073	1.15	1.00
LI05D0	168	\$ 139,022	\$ 21,872	\$ 160,894	1.14	1.00
LI05E0	307	\$ 149,828	\$ 18,818	\$ 168,646	1.08	1.00
LI05F0	112	\$ 139,245	\$ 24,077	\$ 163,322	1.03	1.00
LI05G0	59	\$ 137,925	\$ 26,759	\$ 164,684	1.07	1.00
LI05H0	180	\$ 173,682	\$ 24,585	\$ 198,267	1.14	1.00
LI05I0	129	\$ 214,492	\$ 37,984	\$ 252,476	1.04	1.67
LI05J0	188	\$ 210,742	\$ 30,975	\$ 241,717	1.00	1.00
LI05K0	159	\$ 285,440	\$ 33,362	\$ 318,802	1.03	1.00
LI0600	110	\$ 144,290	\$ 20,768	\$ 165,058	.99	1.00
LI0600M	2	\$ 24,953		\$ 24,953	1.00	1.00
LI06K0	77	\$ 168,951	\$ 30,046	\$ 198,998	1.03	1.00
LI0700	117	\$ 93,604	\$ 25,592	\$ 119,196	1.03	1.00
LI0700M	28	\$ 27,821		\$ 27,821	1.00	1.00
LI070M	87	\$ 49,765	\$ 21,296	\$ 71,061	1.00	1.00
LI08A1	277	\$ 226,232	\$ 130,154	\$ 356,386	1.12	1.08
LI08B1	156	\$ 172,166	\$ 35,646	\$ 207,811	1.07	1.00
LI08C1	746	\$ 136,923	\$ 24,512	\$ 161,435	1.15	1.00
LI08D1	279	\$ 221,740	\$ 25,171	\$ 246,911	1.09	1.00
LI08E1	146	\$ 160,024	\$ 41,193	\$ 201,217	1.06	1.00
LI08F1	135	\$ 308,446	\$ 54,815	\$ 363,261	1.01	1.00
LI0900	148	\$ 121,429	\$ 23,734	\$ 145,163	1.09	1.00
LI0900C	2	\$ 114,085	\$ 9,178	\$ 123,263	1.00	1.00
LI0900M	5	\$ 44,438	\$ 4,132	\$ 48,570	1.00	1.00
LI090M	19	\$ 41,895	\$ 7,896	\$ 49,790	1.00	1.00
LI09H0	19	\$ 160,948	\$ 32,964	\$ 193,912	1.20	1.00
LI1000	118	\$ 117,541	\$ 16,025	\$ 133,566	1.08	1.00
LI1000C	25	\$ 213,229	\$ 33,044	\$ 246,272	1.00	1.00
LI1000M	24	\$ 51,994	\$ 3,322	\$ 55,315	1.00	1.00
LI10G0	43	\$ 180,678	\$ 37,995	\$ 218,674	1.02	1.00
LI10K0	15	\$ 271,858	\$ 34,225	\$ 306,084	.98	1.00
LI1100	19	\$ 103,918	\$ 13,485	\$ 117,403	1.00	1.00
LI1100M	2	\$ 22,224		\$ 22,224	1.00	1.00
LI1200	85	\$ 163,917	\$ 21,211	\$ 185,128	1.14	1.00

LI1200M	4	\$	11,624		\$	11,624	1.00	1.00
LI12J0	37	\$	281,063	\$	21,577	\$	302,640	1.08
LIEDC0	1	\$	50,000		\$	50,000	1.00	1.00
LTE000	264	\$	154,657	\$	20,662	\$	175,319	1.11
LTE000M	3	\$	25,056		\$	25,056	1.00	1.00
LTE100	380	\$	221,237	\$	120,838	\$	342,075	1.10
LTW000	412	\$	297,229	\$	253,347	\$	550,576	1.08
R0031AC	19	\$	52,332	\$	24,265	\$	76,596	1.00
R0069ZC	7	\$	54,316	\$	70,813	\$	125,129	1.00
R0110UC	6	\$	59,062	\$	17,102	\$	76,164	1.00
R0110VC	10	\$	71,895	\$	26,724	\$	98,619	1.00
R0110WC	2	\$	166,146	\$	9,792	\$	175,938	1.00
R0110XC	23	\$	111,227	\$	26,925	\$	138,152	1.00
R0110YC	45	\$	107,121	\$	15,272	\$	122,392	1.10
R0110ZC	50	\$	50,576	\$	9,656	\$	60,232	1.00
R0323CC	1	\$	47,519	\$	7,014	\$	54,533	1.00
R0323GC	2	\$	98,289	\$	20,135	\$	118,424	1.00
R0323IC	1	\$	26,244	\$	4,725	\$	30,969	1.00
R0323JC	8	\$	29,578	\$	6,789	\$	36,367	1.00
R0323MC	3	\$	41,697	\$	29,199	\$	70,896	1.00
R0323QC	1	\$	72,569	\$	30,109	\$	102,678	1.00
R0N69EC	10	\$	34,763	\$	24,715	\$	59,478	1.00
R0N69FC	5	\$	41,599	\$	18,575	\$	60,174	1.00
R0W64AC	2	\$	10,823	\$	8,019	\$	18,841	1.00
RSBRWBC	2	\$	51,342	\$	10,340	\$	61,682	1.00
RSBRWCC	1	\$	113,291	\$	15,930	\$	129,221	1.00
RSBRWDC	1	\$	82,599	\$	29,040	\$	111,639	1.00
TR0100	118	\$	87,683	\$	12,436	\$	100,119	1.14
TR0100C	1	\$	44,768	\$	4,019	\$	48,787	1.00
TR0100M	17	\$	25,041		\$	25,041	1.00	1.00
TR0200	98	\$	81,422	\$	12,565	\$	93,987	1.12
TR0200M	11	\$	20,360		\$	20,360	1.00	1.00
TR0300	589	\$	67,522	\$	8,349	\$	75,871	1.12
TR0300C	1	\$	98,779	\$	20,582	\$	119,361	1.00
TR0300M	30	\$	17,102		\$	17,102	1.00	1.00
TY0100	10	\$	55,420	\$	10,484	\$	65,904	1.00
TY0100C	4	\$	57,785	\$	13,663	\$	71,448	1.00
TY010A	166	\$	83,074	\$	12,952	\$	96,026	1.17
TY010B	105	\$	90,713	\$	10,352	\$	101,065	1.00
TY010D	364	\$	66,990	\$	12,959	\$	79,949	1.00
TY0200	5	\$	86,600	\$	8,424	\$	95,025	1.00
TY0200C	14	\$	128,782	\$	22,153	\$	150,935	1.00
TY020A	132	\$	31,024	\$	6,726	\$	37,751	1.00
TY020B	229	\$	42,136	\$	8,932	\$	51,068	1.00
TY020C	364	\$	70,698	\$	11,950	\$	82,648	1.07
TY0300	125	\$	139,426	\$	20,330	\$	159,756	1.02
TY0300C	1	\$	45,802	\$	2,724	\$	48,526	1.00
TY030A	100	\$	115,999	\$	12,949	\$	128,948	1.15
TY030B	30	\$	71,535	\$	13,438	\$	84,973	1.00
TY030D	98	\$	120,362	\$	16,431	\$	136,793	.97
TY030E	47	\$	134,044	\$	13,870	\$	147,914	1.00

TY0400	6	\$	17,586	\$	3,416	\$	21,001	1.00	1.00
TY0400C	1	\$	26,479	\$	14,361	\$	40,840	1.00	1.00
TY040A	217	\$	35,024	\$	10,565	\$	45,590	1.00	1.20
TY040B	96	\$	63,655	\$	10,461	\$	74,116	1.00	1.00
TY040C	472	\$	52,409	\$	10,819	\$	63,228	1.07	1.00
TY0500C	4	\$	79,950	\$	2,597	\$	82,547	1.00	1.00
TY050A	144	\$	31,824	\$	7,617	\$	39,441	1.00	1.00
TY050B	331	\$	31,675	\$	6,663	\$	38,338	1.12	1.20
TY050C	305	\$	38,241	\$	9,078	\$	47,320	1.00	1.20
TY0600	2	\$	60,354	\$	4,265	\$	64,619	1.00	1.00
TY0600C	2	\$	48,467	\$	14,735	\$	63,202	1.00	1.00
TY060A	112	\$	65,444	\$	9,636	\$	75,080	1.00	1.00
TY060B	510	\$	40,404	\$	8,338	\$	48,742	1.14	1.00
TY060C	61	\$	33,654	\$	8,982	\$	42,636	1.00	1.00
TY060D	14	\$	32,148	\$	10,155	\$	42,303	1.00	1.00
TY060E	13	\$	35,681	\$	9,593	\$	45,274	1.00	1.00
TY060F	27	\$	15,504	\$	7,610	\$	23,114	1.00	1.00
TY060G	5	\$	19,033	\$	7,338	\$	26,371	1.00	1.00
TY060H	31	\$	46,522	\$	10,643	\$	57,165	1.00	1.00
TY0700	76	\$	73,486	\$	12,746	\$	86,231	.99	1.00
TY0700C	37	\$	27,004	\$	5,579	\$	32,583	1.00	1.00
TY0700M	1	\$	5,329			\$	5,329	1.00	1.00
TY070A	44	\$	35,914	\$	8,252	\$	44,166	1.00	1.00
TY070C	119	\$	38,131	\$	6,287	\$	44,419	1.00	1.00
TY070D	33	\$	43,103	\$	4,703	\$	47,806	1.00	1.00
TY070E	6	\$	52,550	\$	12,969	\$	65,519	1.00	1.00
TY070F	366	\$	43,851	\$	13,477	\$	57,327	1.24	1.39
TY070G	220	\$	23,634	\$	4,746	\$	28,380	1.00	1.00
TY070H	219	\$	34,104	\$	8,869	\$	42,973	.98	.00
TY0800	4	\$	12,401	\$	1,933	\$	14,334	1.00	1.00
TY0800C	1	\$	54,695	\$	22,800	\$	77,495	1.00	1.00
TY080A	127	\$	72,931	\$	11,105	\$	84,036	1.05	1.00
TY080B	315	\$	42,873	\$	10,719	\$	53,592	1.02	.00
TY080C	287	\$	41,349	\$	8,535	\$	49,884	1.28	1.00
TY080D	128	\$	48,674	\$	11,049	\$	59,723	1.00	1.57
TY0900	796	\$	36,482	\$	7,214	\$	43,696	1.03	1.00
TY0900C	38	\$	41,107	\$	7,421	\$	48,528	1.00	1.00
TY09DWC	3	\$	61,052	\$	5,261	\$	66,313	1.00	1.00
TY1000	545	\$	35,597	\$	7,192	\$	42,789	1.01	.00
TY1000C	2	\$	42,350	\$	4,346	\$	46,695	1.00	1.00
TY1000M	1	\$	12,607			\$	12,607	1.00	1.00
TY1100C	3	\$	26,532	\$	15,980	\$	42,512	1.00	1.00
TY110A	108	\$	36,224	\$	8,301	\$	44,525	1.00	1.00
TY110B	519	\$	45,265	\$	7,320	\$	52,585	1.20	.00
TY110C	12	\$	56,533	\$	7,729	\$	64,262	1.00	1.00
TY110D	11	\$	30,818	\$	8,475	\$	39,293	1.00	1.00
TY110E	11	\$	59,664	\$	11,821	\$	71,485	1.00	1.00
TY1200	8	\$	107,376	\$	25,901	\$	133,277	1.00	1.00
TY1200C	7	\$	53,558	\$	12,977	\$	66,535	1.00	1.00
TY120A	270	\$	89,489	\$	20,539	\$	110,028	1.09	1.00
TY120B	58	\$	84,678	\$	21,496	\$	106,174	1.00	1.00

TY120C	28	\$	51,030	\$	20,797	\$	71,828	1.00	1.40
TY120D	84	\$	55,405	\$	19,169	\$	74,574	1.09	1.40
TY120E	222	\$	75,245	\$	19,971	\$	95,216	1.22	1.00
TY120F	39	\$	213,652	\$	41,214	\$	254,866	1.09	.00
TY120G	362	\$	80,584	\$	15,511	\$	96,095	1.27	1.00
TY12R0	33	\$	49,341	\$	14,464	\$	63,805	1.02	1.00
TY130A	143	\$	49,200	\$	9,738	\$	58,938	1.09	.00
TY130B	31	\$	68,102	\$	11,722	\$	79,824	1.00	1.00
TY130C	55	\$	107,285	\$	11,889	\$	119,173	1.15	1.00
TY130D	175	\$	66,493	\$	9,283	\$	75,776	1.24	1.00
TY130E	210	\$	75,019	\$	14,701	\$	89,720	1.23	1.25
TY130F	64	\$	101,951	\$	9,381	\$	111,333	1.08	1.00
TY130G	92	\$	89,842	\$	9,796	\$	99,638	1.14	1.00
TY1400	153	\$	88,960	\$	13,643	\$	102,604	1.07	1.00
TY1400C	1	\$	11,124	\$	6,632	\$	17,756	1.00	1.00
TY1500	274	\$	38,063	\$	5,226	\$	43,288	1.00	1.00
TY1500C	7	\$	13,008	\$	22,952	\$	35,961	1.00	1.00
TY150B	63	\$	106,241	\$	9,102	\$	115,344	1.18	1.00
TY150D	21	\$	153,895	\$	10,981	\$	164,876	1.13	1.00
TY1600	1	\$	165,000	\$	34,676	\$	199,676	1.00	1.00
TY160A	296	\$	81,462	\$	12,057	\$	93,520	1.24	1.00
TY160B	206	\$	82,597	\$	13,695	\$	96,292	1.17	1.30
TY160C	5	\$	230,514	\$	40,432	\$	270,946	1.00	1.00
TY160D	17	\$	30,317	\$	4,761	\$	35,077	1.00	1.00
TY160E	60	\$	126,348	\$	28,276	\$	154,625	.94	1.00
TY170A	13	\$	562,234	\$	94,346	\$	656,580	1.00	1.00
TY170B	209	\$	244,588	\$	49,670	\$	294,258	1.07	.00
TY170C	81	\$	486,122	\$	74,619	\$	560,741	1.00	1.00
TY170D	373	\$	132,658	\$	18,641	\$	151,299	1.12	1.00
TY170E	175	\$	256,544	\$	38,631	\$	295,174	1.07	1.00
TY170F	135	\$	245,889	\$	31,758	\$	277,647	1.12	1.00
TY170H	98	\$	79,564	\$	19,871	\$	99,434	1.32	1.70
TY170J	47	\$	142,701	\$	29,485	\$	172,186	.98	1.00
TY170R	1	\$	84,003	\$	26,250	\$	110,253	1.00	1.00
TY1800	12	\$	159,501	\$	24,770	\$	184,271	1.00	1.00
TY180A	54	\$	131,647	\$	21,475	\$	153,122	1.09	1.00
TY180B	346	\$	94,636	\$	22,831	\$	117,467	1.42	1.37
TY180C	125	\$	131,298	\$	17,850	\$	149,148	1.00	1.00
TY180D	99	\$	145,218	\$	25,493	\$	170,711	1.10	1.00
TY180E	522	\$	133,275	\$	26,377	\$	159,652	1.12	1.00
TY180F	361	\$	169,206	\$	36,795	\$	206,001	1.10	1.31
TY180G	15	\$	125,052	\$	21,199	\$	146,251	1.10	2.00
TY180H	154	\$	204,926	\$	26,295	\$	231,221	1.07	1.00
TY180I	1	\$	170,200	\$	31,560	\$	201,760	1.00	1.00
TY180J	70	\$	150,917	\$	26,006	\$	176,923	1.21	1.51
TY180K	223	\$	114,253	\$	19,624	\$	133,877	1.33	1.00
TY180R	3	\$	84,885	\$	19,292	\$	104,177	1.00	1.00
TY1900	1	\$	865,186	\$	103,110	\$	968,296	1.00	1.00
TY1900C	1	\$	101,854	\$	28,000	\$	129,854	1.00	1.00
TY190A	225	\$	82,582	\$	17,513	\$	100,095	1.20	1.30
TY190B	50	\$	60,747	\$	10,577	\$	71,324	1.18	1.00

TY190C	283	\$	101,270	\$	16,641	\$	117,912	1.42	1.35
TY190D	262	\$	148,045	\$	26,599	\$	174,644	1.05	1.10
TY190E	33	\$	330,882	\$	71,781	\$	402,663	1.00	1.00
TY190F	143	\$	104,980	\$	19,504	\$	124,483	1.41	1.39
TY190G	82	\$	121,754	\$	17,851	\$	139,605	1.22	1.25
TY190H	175	\$	82,343	\$	15,149	\$	97,492	1.10	1.23
TY190I	7	\$	660,037	\$	175,911	\$	835,948	1.00	1.00
TY190R	3	\$	70,681	\$	11,565	\$	82,246	1.00	1.00
TY200A	498	\$	98,200	\$	26,438	\$	124,638	1.22	1.44
TY200B	96	\$	53,779	\$	14,036	\$	67,815	1.04	1.00
TY200C	97	\$	113,580	\$	14,054	\$	127,635	1.23	1.00
TY200D	83	\$	262,010	\$	46,555	\$	308,566	1.00	1.20
TY200E	167	\$	136,528	\$	27,732	\$	164,260	1.03	1.41
TY200F	193	\$	127,844	\$	14,856	\$	142,700	1.00	1.00
TY200G	233	\$	93,584	\$	19,100	\$	112,684	1.32	1.60
TY200H	22	\$	148,921	\$	30,308	\$	179,229	1.10	1.00
TY200R	15	\$	106,415	\$	15,280	\$	121,695	1.00	1.00
TY210A	298	\$	176,695	\$	44,253	\$	220,948	1.22	1.00
TY210B	229	\$	143,347	\$	27,315	\$	170,662	1.30	1.00
TY210C	245	\$	109,087	\$	16,385	\$	125,471	1.37	1.00
TY210D	82	\$	424,840	\$	66,966	\$	491,806	1.00	1.00
TY210E	4	\$	145,525	\$	11,813	\$	157,338	1.00	1.00
TY210F	9	\$	168,597	\$	11,433	\$	180,030	1.10	1.00
TY2200	32	\$	119,386	\$	42,050	\$	161,436	1.01	1.00
TY220A	169	\$	187,723	\$	34,947	\$	222,670	1.20	1.00
TY220B	205	\$	269,299	\$	37,373	\$	306,671	1.00	1.00
TY220C	108	\$	165,909	\$	35,664	\$	201,573	1.04	1.00
TY220D	297	\$	168,948	\$	36,931	\$	205,879	1.31	1.99
TY220E	285	\$	201,024	\$	32,176	\$	233,201	1.03	1.00
TY220F	142	\$	137,042	\$	20,396	\$	157,439	1.16	1.00
TY220G	59	\$	100,116	\$	15,538	\$	115,654	1.50	.00
TY220H	103	\$	153,525	\$	29,184	\$	182,709	1.13	1.00
TY220I	183	\$	129,019	\$	17,260	\$	146,279	1.10	1.00
TY220K	113	\$	154,573	\$	15,000	\$	169,573	1.10	1.00
TY2300	37	\$	278,052	\$	46,207	\$	324,259	1.04	1.00
TY230A	124	\$	116,633	\$	17,151	\$	133,783	1.17	.00
TY230B	85	\$	200,165	\$	34,352	\$	234,517	1.15	1.30
TY230C	12	\$	42,527	\$	3,150	\$	45,677	1.00	1.00
TY230D	97	\$	279,067	\$	44,269	\$	323,336	1.04	1.00
TY230E	42	\$	87,496	\$	19,440	\$	106,936	1.14	1.08
TY230F	19	\$	128,552	\$	19,434	\$	147,987	1.00	1.00
TY230G	9	\$	1,418,076	\$	234,319	\$	1,652,395	1.00	1.00
TY230H	309	\$	195,699	\$	44,798	\$	240,497	1.18	1.80
TY230I	35	\$	418,460	\$	50,626	\$	469,086	1.00	1.00
TY230J	21	\$	208,979	\$	34,846	\$	243,825	1.05	1.00
TY230K	31	\$	312,296	\$	47,210	\$	359,506	1.00	1.00
TY230M	46	\$	257,797	\$	40,092	\$	297,889	1.00	1.00
TY230N	48	\$	442,799	\$	49,625	\$	492,424	1.00	.00
TY2400	107	\$	147,126	\$	28,590	\$	175,716	1.05	1.05
TY240A	342	\$	160,498	\$	19,767	\$	180,265	1.10	1.00
TY240B	108	\$	113,358	\$	18,724	\$	132,082	1.00	1.00

TY240C	212	\$	176,554	\$	20,081	\$	196,635	1.28	1.00
TY240D	274	\$	149,202	\$	21,041	\$	170,243	1.10	1.00
TY240E	280	\$	160,445	\$	23,384	\$	183,829	1.08	1.00
TY240F	167	\$	102,448	\$	18,823	\$	121,271	1.05	1.00
TY240G	163	\$	197,282	\$	32,930	\$	230,212	1.02	1.12
TY240J	16	\$	237,026	\$	29,339	\$	266,365	1.00	1.00
TY240K	31	\$	204,353	\$	33,323	\$	237,676	.90	1.00
TY240M	69	\$	681,267	\$	83,529	\$	764,796	1.00	1.00
TY240N	89	\$	646,139	\$	91,150	\$	737,290	.97	1.00
TY240P	36	\$	182,115	\$	27,467	\$	209,582	.97	1.00
TY240R	3	\$	97,128	\$	20,733	\$	117,861	1.00	1.00
TY2500	58	\$	183,042	\$	43,127	\$	226,169	.90	1.00
TY250A	144	\$	421,789	\$	76,859	\$	498,648	.99	1.00
TY250B	260	\$	268,672	\$	49,392	\$	318,064	1.06	1.00
TY250C	105	\$	198,982	\$	51,200	\$	250,182	.98	1.00
TY250D	165	\$	231,902	\$	30,750	\$	262,652	1.01	1.00
TY250E	28	\$	830,793	\$	135,280	\$	966,073	.95	1.00
TY250F	112	\$	187,293	\$	37,198	\$	224,491	1.03	1.00
TY250G	41	\$	259,568	\$	57,868	\$	317,436	1.00	1.00
TY250H	99	\$	228,097	\$	42,258	\$	270,356	1.00	1.00
TY2600	59	\$	80,860	\$	14,918	\$	95,778	1.00	1.00
TY2600C	2	\$	64,565	\$	17,537	\$	82,102	1.00	1.00
TY2600M	1	\$	4,839			\$	4,839	1.00	1.00
TY260A	51	\$	58,640	\$	8,419	\$	67,060	1.00	1.00
TY260B	79	\$	106,381	\$	21,158	\$	127,539	1.00	1.28
TY270A	147	\$	262,850	\$	41,999	\$	304,848	1.00	1.00
TY270B	16	\$	119,382	\$	35,926	\$	155,308	1.00	1.00
TY270C	176	\$	24,311	\$	4,709	\$	29,020	.92	1.00
TY270D	62	\$	236,034	\$	40,889	\$	276,923	1.04	1.00
TY270E	374	\$	385,582	\$	68,643	\$	454,225	.95	1.00
TY270F	360	\$	446,392	\$	84,405	\$	530,797	.96	1.00
TY270G	8	\$	899,271	\$	102,159	\$	1,001,430	1.00	1.00
TY270H	49	\$	451,365	\$	65,924	\$	517,289	1.00	1.00
TY270J	41	\$	365,619	\$	53,347	\$	418,966	1.05	1.00
TY270L	102	\$	333,461	\$	54,948	\$	388,409	1.00	1.00
TY270N	87	\$	588,432	\$	104,551	\$	692,983	1.00	1.00
TY270P	53	\$	240,047	\$	54,750	\$	294,797	1.09	1.00
TY270R	50	\$	324,674	\$	77,223	\$	401,898	.94	1.00
TY270T	62	\$	525,444	\$	107,380	\$	632,824	1.03	1.00
TY270V	16	\$	1,215,026	\$	198,546	\$	1,413,572	1.00	1.00
TY280A	131	\$	107,956	\$	23,664	\$	131,620	1.28	1.60
TY280B	322	\$	144,279	\$	23,868	\$	168,147	1.10	1.25
TY280C	346	\$	169,657	\$	31,348	\$	201,005	1.03	1.00
TY280D	18	\$	138,805	\$	25,000	\$	163,805	1.00	1.00
TY280R	1	\$	102,062	\$	28,513	\$	130,575	1.00	1.00
TY2900	34	\$	147,622	\$	27,026	\$	174,648	1.00	1.00
TY290A	70	\$	198,257	\$	32,245	\$	230,502	1.09	1.25
TY290B	93	\$	133,186	\$	19,181	\$	152,366	1.16	1.00
TY290F	216	\$	184,963	\$	36,025	\$	220,988	1.00	1.00
TY3000	12	\$	167,511	\$	22,295	\$	189,806	1.00	1.00
TY300A	2	\$	529,081	\$	141,597	\$	670,677	1.00	1.00

TY300B	28	\$	261,694	\$	49,746	\$	311,440	.92	1.00
TY300C	72	\$	98,432	\$	9,949	\$	108,380	1.17	1.00
TY300E	42	\$	120,889	\$	22,591	\$	143,481	1.16	1.00
TY300F	166	\$	244,322	\$	30,686	\$	275,008	.97	1.00
TY300G	232	\$	143,265	\$	18,822	\$	162,087	1.23	1.30
TY300H	5	\$	149,928	\$	28,058	\$	177,986	1.00	1.00
TY300J	283	\$	212,915	\$	35,755	\$	248,669	1.00	1.00
TY300K	58	\$	150,708	\$	27,260	\$	177,968	1.06	1.00
TY3100	32	\$	221,176	\$	25,686	\$	246,862	1.07	1.00
TY3100A	519	\$	62,736	\$	14,387	\$	77,123	1.06	1.00
TY3100C	8	\$	48,948	\$	10,456	\$	59,404	1.00	1.00
TY3100M	59	\$	24,315	\$	4,462	\$	28,776	1.00	1.00
TY31A0	137	\$	42,124	\$	11,337	\$	53,461	1.02	1.20
TY31B0	318	\$	77,615	\$	12,846	\$	90,462	1.26	1.50
TY31D0	164	\$	94,277	\$	10,597	\$	104,874	1.11	.00
TY31E0	100	\$	101,371	\$	12,455	\$	113,826	1.21	1.00
TY31F0	292	\$	110,564	\$	13,703	\$	124,267	1.10	1.40
TY31G0	147	\$	133,439	\$	22,889	\$	156,328	1.04	1.30
TY31H0	112	\$	156,834	\$	27,329	\$	184,162	1.01	1.00
TY31J0	55	\$	178,979	\$	19,610	\$	198,588	1.00	1.00
TY31N0	24	\$	310,386	\$	52,604	\$	362,990	1.00	1.00
TY3200	15	\$	164,888	\$	25,322	\$	190,210	1.00	1.00
TY3200M	7	\$	24,716			\$	24,716	1.00	1.00
TY3211	104	\$	89,771	\$	82,711	\$	172,481	1.00	1.45
TY3300	205	\$	345,353	\$	46,996	\$	392,349	1.00	1.00
TY330A	44	\$	149,776	\$	27,279	\$	177,055	1.10	1.00
TY330B	17	\$	253,695	\$	38,518	\$	292,213	.98	1.00
TY330C	113	\$	218,088	\$	26,040	\$	244,128	1.16	1.10
TY330D	9	\$	513,115	\$	66,556	\$	579,671	1.00	1.00
TY330E	19	\$	177,358	\$	29,842	\$	207,200	.88	1.00
TY330F	38	\$	698,229	\$	75,559	\$	773,787	1.00	1.00
TY330G	183	\$	250,074	\$	53,235	\$	303,310	1.00	1.43
TY330H	48	\$	383,454	\$	52,122	\$	435,575	1.00	1.00
TY3400	204	\$	76,412	\$	28,968	\$	105,380	1.00	1.00
TY3400C	3	\$	47,381	\$	40,003	\$	87,384	1.00	1.00
TY3400M	16	\$	19,769			\$	19,769	1.00	1.00
TY340R	2	\$	60,688	\$	19,823	\$	80,510	1.00	1.00
TY34A0	8	\$	60,324	\$	15,857	\$	76,181	1.00	1.00
TY34B0	8	\$	134,264	\$	35,604	\$	169,867	1.00	1.00
TY34C0	55	\$	140,764	\$	34,118	\$	174,882	1.13	1.00
TY34D0	30	\$	130,813	\$	24,896	\$	155,708	.93	1.00
TY34E0	42	\$	117,725	\$	11,525	\$	129,250	1.13	1.37
TY34F0	195	\$	135,165	\$	15,920	\$	151,086	1.10	1.00
TY34G0	77	\$	228,563	\$	24,072	\$	252,635	1.11	1.00
TY34N0	32	\$	238,437	\$	53,712	\$	292,149	1.00	1.00
TY34Q0	11	\$	494,700	\$	88,670	\$	583,370	1.00	1.00
TY3500	98	\$	118,221	\$	17,321	\$	135,542	1.09	.00
TY3500A	1	\$	157,558	\$	16,640	\$	174,198	1.09	1.00
TY3500C	4	\$	51,671	\$	19,275	\$	70,946	1.00	1.00
TY3500M	65	\$	18,839			\$	18,839	1.00	1.00
TY3500X	59	\$	228,343	\$	35,970	\$	264,313	1.00	1.00

TY35A0	303	\$	19,175	\$	8,011	\$	27,186	1.09	1.00
TY35B0	195	\$	74,697	\$	15,919	\$	90,616	1.06	1.00
TY35C0	147	\$	109,477	\$	25,157	\$	134,635	1.10	1.00
TY35D0	93	\$	133,383	\$	25,039	\$	158,422	1.10	1.00
TY35E0	167	\$	160,612	\$	25,672	\$	186,284	1.14	1.00
TY35F0	175	\$	205,273	\$	32,103	\$	237,376	1.09	1.00
TY35G0	20	\$	318,613	\$	41,031	\$	359,643	1.09	1.00
TY35H0	32	\$	335,375	\$	44,763	\$	380,137	1.04	1.00
TY35V1	122	\$	300,450	\$	132,173	\$	432,623	1.34	1.25
TY35V2	34	\$	213,765	\$	22,856	\$	236,621	1.00	1.00
TY35V3	173	\$	171,159	\$	14,531	\$	185,691	1.09	.00
TY3600	47	\$	40,571	\$	3,430	\$	44,001	1.10	1.00
TY3600A	525	\$	76,735	\$	15,738	\$	92,473	1.12	1.00
TY3600C	2	\$	77,148	\$	4,364	\$	81,511	1.00	1.00
TY3600M	270	\$	27,755	\$	3,907	\$	31,662	1.00	1.00
TY360L	52	\$	126,707	\$	28,684	\$	155,391	1.15	1.00
TY36MHP	161	\$	15,385	\$	3,491	\$	18,876	1.00	1.00
TY3700	1,662	\$	56,907	\$	9,348	\$	66,255	1.00	1.00
TY3700C	14	\$	31,915	\$	7,304	\$	39,219	1.00	1.00
TY3700M	193	\$	14,302			\$	14,302	1.00	1.00
TY37MHP	28	\$	31,433	\$	5,520	\$	36,953	1.00	1.00
TY3800	270	\$	185,153	\$	41,209	\$	226,362	1.03	1.00
TY3800M	6	\$	19,270			\$	19,270	1.00	1.00
TY38A0	33	\$	33,036	\$	11,613	\$	44,649	1.00	1.00
TY38B0	11	\$	90,053	\$	9,204	\$	99,256	1.00	1.00
TY38C0	221	\$	118,073	\$	19,276	\$	137,349	1.27	1.32
TY38D0	23	\$	116,038	\$	23,372	\$	139,410	1.00	.00
TY38E0	25	\$	184,995	\$	24,633	\$	209,629	1.08	1.20
TY38F0	79	\$	170,448	\$	19,053	\$	189,502	1.27	1.00
TY38G0	161	\$	163,940	\$	29,534	\$	193,474	1.05	1.00
TY38H0	248	\$	242,945	\$	34,307	\$	277,252	1.01	1.00
TY38I0	15	\$	347,477	\$	37,744	\$	385,221	1.00	1.00
TY38J0	50	\$	320,833	\$	36,420	\$	357,252	1.09	1.00
TY38K0	24	\$	439,884	\$	79,178	\$	519,061	.99	1.00
TY38M0	1	\$	132,545	\$	8,837	\$	141,382	1.00	1.00
TY38N0	1	\$	283,201	\$	18,700	\$	301,901	1.00	1.00
TY3900	495	\$	178,907	\$	36,593	\$	215,500	1.02	1.00
TY3900C	3	\$	116,551	\$	29,030	\$	145,581	1.00	1.00
TY3900M	10	\$	24,360			\$	24,360	1.00	1.00
TY39A0	25	\$	76,563	\$	16,753	\$	93,316	1.07	1.00
TY39B0	17	\$	73,867	\$	15,313	\$	89,180	1.09	1.00
TY39C0	226	\$	126,882	\$	17,884	\$	144,766	1.07	1.00
TY39D0	39	\$	113,224	\$	21,860	\$	135,084	1.00	1.00
TY39D0	39	\$	113,224	\$	21,860	\$	135,084	1.20	1.00
TY39E0	19	\$	161,630	\$	12,476	\$	174,107	1.00	1.00
TY39F0	11	\$	43,305	\$	24,395	\$	67,699	1.00	1.00
TY39G0	245	\$	136,458	\$	22,826	\$	159,284	1.03	1.00
TY39H0	181	\$	190,561	\$	28,169	\$	218,729	1.06	1.20
TY39I0	120	\$	153,758	\$	21,292	\$	175,050	1.21	1.00
TY39J0	143	\$	196,494	\$	42,086	\$	238,580	1.04	1.00
TY39K0	140	\$	324,199	\$	41,622	\$	365,821	1.03	1.00

TY39L0	18	\$ 241,732	\$ 35,293	\$ 277,025	1.00	1.00
TY39N0	2	\$ 1,536	\$ 2,000	\$ 3,536	1.00	1.00
TY39R1	162	\$ 141,274	\$ 20,000	\$ 161,274	1.19	1.00
TY39R2	241	\$ 147,805	\$ 26,521	\$ 174,325	1.06	1.00
TY4000	1	\$ 481,709	\$ 77,101	\$ 558,810	1.00	1.00
TY40B0	46	\$ 493,509	\$ 77,048	\$ 570,558	.94	1.00
TY40C0	39	\$ 753,621	\$ 98,755	\$ 852,377	.98	1.00
TY40D0	91	\$ 213,921	\$ 2,968	\$ 216,889	.98	1.00
TY40E0	9	\$ 860,583	\$ 223,255	\$ 1,083,838	1.00	1.00
TY40F0	67	\$ 292,373	\$ 26,292	\$ 318,665	.73	1.00
TY40H0	6	\$ 941,181	\$ 152,344	\$ 1,093,525	1.00	1.00
TY40I0	4	\$ 302,175	\$ 39,517	\$ 341,692	1.00	1.00
VN0100	42	\$ 56,486	\$ 12,709	\$ 69,195	1.00	1.00
VN0100M	5	\$ 23,587		\$ 23,587	1.00	1.00
VN0200	71	\$ 66,526	\$ 10,294	\$ 76,820	1.02	1.00
VN0200M	24	\$ 12,224		\$ 12,224	1.00	1.00
VN02A0	151	\$ 13,600	\$ 2,870	\$ 16,471	1.00	1.00
VN02B0	97	\$ 70,321	\$ 15,777	\$ 86,098	1.13	1.00
VN0300	129	\$ 111,650	\$ 20,004	\$ 131,654	1.05	1.00
VN0300M	10	\$ 31,966	\$ 927	\$ 32,893	1.00	1.00
VN03H0	61	\$ 308,612	\$ 37,487	\$ 346,099	1.00	1.00
WH0100	144	\$ 273,705	\$ 51,504	\$ 325,209	.96	1.00
WH0100M	4	\$ 29,449		\$ 29,449	1.00	1.00
WH01E0	92	\$ 201,784	\$ 36,238	\$ 238,021	1.13	1.00
WH01F0	71	\$ 479,633	\$ 62,967	\$ 542,601	.94	1.00
WH01G0	24	\$ 869,457	\$ 85,507	\$ 954,963	.93	1.00
WH0200	291	\$ 120,169	\$ 21,329	\$ 141,497	1.12	1.00
WH0200M	30	\$ 22,672		\$ 22,672	1.00	1.00
WH020M	11	\$ 53,519	\$ 15,833	\$ 69,352	1.00	1.00
WH02A0	49	\$ 67,612	\$ 14,870	\$ 82,482	1.03	1.30
WH02B0	55	\$ 99,026	\$ 12,462	\$ 111,489	1.07	1.00
WH02C0	29	\$ 103,951	\$ 18,497	\$ 122,448	1.17	1.00
WH02D0	118	\$ 139,539	\$ 29,855	\$ 169,395	1.16	1.30
WH02E0	161	\$ 139,429	\$ 18,627	\$ 158,057	1.08	1.00
WH02F0	92	\$ 158,992	\$ 18,374	\$ 177,366	1.07	1.00
WH02G0	33	\$ 197,853	\$ 29,275	\$ 227,128	1.00	1.00
WH02H0	287	\$ 280,385	\$ 33,941	\$ 314,326	1.00	1.00
WH02J0	142	\$ 150,555	\$ 30,600	\$ 181,155	1.00	1.00
WH0300	52	\$ 97,351	\$ 19,265	\$ 116,615	1.00	1.00
WH0300M	7	\$ 20,402		\$ 20,402	1.00	1.00
WH030M	8	\$ 29,619	\$ 12,628	\$ 42,247	1.00	1.00
WH0400	377	\$ 133,080	\$ 21,050	\$ 154,130	1.05	1.00
WH0400C	2	\$ 91,746	\$ 33,775	\$ 125,521	1.00	1.00
WH0400M	28	\$ 20,338		\$ 20,338	1.00	1.00
WH040R	6	\$ 123,998	\$ 23,158	\$ 147,155	1.00	1.00
WH04A0	221	\$ 55,139	\$ 11,963	\$ 67,102	1.17	1.00
WH04B0	282	\$ 85,915	\$ 11,111	\$ 97,026	1.20	1.00
WH04C0	186	\$ 104,371	\$ 12,715	\$ 117,085	1.13	1.00
WH04D0	235	\$ 110,883	\$ 19,777	\$ 130,660	1.06	1.00
WH04E0	125	\$ 103,704	\$ 20,000	\$ 123,704	1.10	1.00
WH04F0	294	\$ 136,395	\$ 18,094	\$ 154,489	1.17	1.17

WH04G0	250	\$ 154,136	\$ 17,901	\$ 172,037	1.04	1.04
WH04H0	260	\$ 157,574	\$ 29,977	\$ 187,551	1.03	1.20
WH04I0	325	\$ 175,555	\$ 20,318	\$ 195,874	1.16	1.00
WH04IA	93	\$ 159,848	\$ 21,280	\$ 181,128	1.05	1.00
WH04J0	193	\$ 190,007	\$ 29,276	\$ 219,283	1.05	1.05
WH04K0	130	\$ 236,395	\$ 30,341	\$ 266,736	1.02	1.00
WH04L0	31	\$ 310,165	\$ 31,302	\$ 341,467	.98	1.00
WH0500	244	\$ 114,512	\$ 17,166	\$ 131,678	1.08	1.00
WH0500M	44	\$ 19,669		\$ 19,669	1.00	1.00
WH050M	94	\$ 39,682	\$ 13,561	\$ 53,243	1.00	1.00
WH05A0	86	\$ 50,702	\$ 5,200	\$ 55,901	1.00	1.00
WH0600	75	\$ 58,883	\$ 13,234	\$ 72,118	1.00	1.00
WH0600C	1	\$ 30,000	\$ 9,175	\$ 39,175	1.00	1.00
WH0600M	11	\$ 22,471		\$ 22,471	1.00	1.00
WH0700	53	\$ 107,423	\$ 14,794	\$ 122,217	1.08	1.00
WH0700M	1	\$ 18,276		\$ 18,276	1.00	1.00
WH0RXRC	1	\$ 3,060	\$ 9,940	\$ 13,000	1.00	1.00
WI0100	233	\$ 69,744	\$ 13,194	\$ 82,938	1.06	1.00
WI0100M	29	\$ 22,356		\$ 22,356	1.00	1.00
WI01A0	28	\$ 54,636	\$ 9,997	\$ 64,633	1.00	1.00
WI0200	43	\$ 54,416	\$ 7,862	\$ 62,278	1.00	1.00
WI0200M	9	\$ 29,127		\$ 29,127	1.00	1.00
WI02A0	1	\$ 102,683	\$ 13,367	\$ 116,050	1.00	1.00
WI0300	92	\$ 61,678	\$ 13,620	\$ 75,298	1.06	1.00
WI0300C	1	\$ 18,327	\$ 19,769	\$ 38,096	1.00	1.00
WI0300M	6	\$ 13,944		\$ 13,944	1.00	1.00
WI03A0	43	\$ 55,733	\$ 11,394	\$ 67,128	1.00	1.00
WI03B0	24	\$ 92,548	\$ 6,738	\$ 99,286	1.00	1.00
WI03C0	19	\$ 48,802	\$ 4,784	\$ 53,586	1.00	1.00
WI0400	168	\$ 68,821	\$ 12,300	\$ 81,121	1.00	1.00
WI0400C	2	\$ 59,161	\$ 6,000	\$ 65,161	1.00	1.00
WI0400M	30	\$ 26,126		\$ 26,126	1.00	1.00
WI04A0	205	\$ 40,340	\$ 15,155	\$ 55,494	1.00	1.00
WI04C0	70	\$ 81,369	\$ 10,654	\$ 92,023	1.00	1.00
WI04D0	58	\$ 52,335	\$ 11,235	\$ 63,570	1.04	1.00
WI04E0	92	\$ 46,622	\$ 32,456	\$ 79,078	1.12	1.00
WI04F0	23	\$ 112,851	\$ 65,463	\$ 178,315	1.00	1.00
WI04G0	3	\$ 199,324	\$ 17,491	\$ 216,816	1.00	1.00
WI04H0	1	\$ 60,951	\$ 5,991	\$ 66,942	1.00	1.00
WI04I0	4	\$ 18,985	\$ 6,886	\$ 25,871	1.00	1.00
WI0500	237	\$ 68,625	\$ 15,809	\$ 84,434	1.05	1.00
WI0500M	26	\$ 15,774		\$ 15,774	1.00	1.00
WI05A0	30	\$ 28,558	\$ 5,326	\$ 33,885	1.05	1.00
WI05B0	23	\$ 65,213	\$ 10,079	\$ 75,293	1.00	1.00

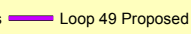
Smith County Appraisal District Market Areas



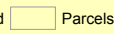
Market Areas - First 4 Characters



City Limits



Loop 49 Proposed

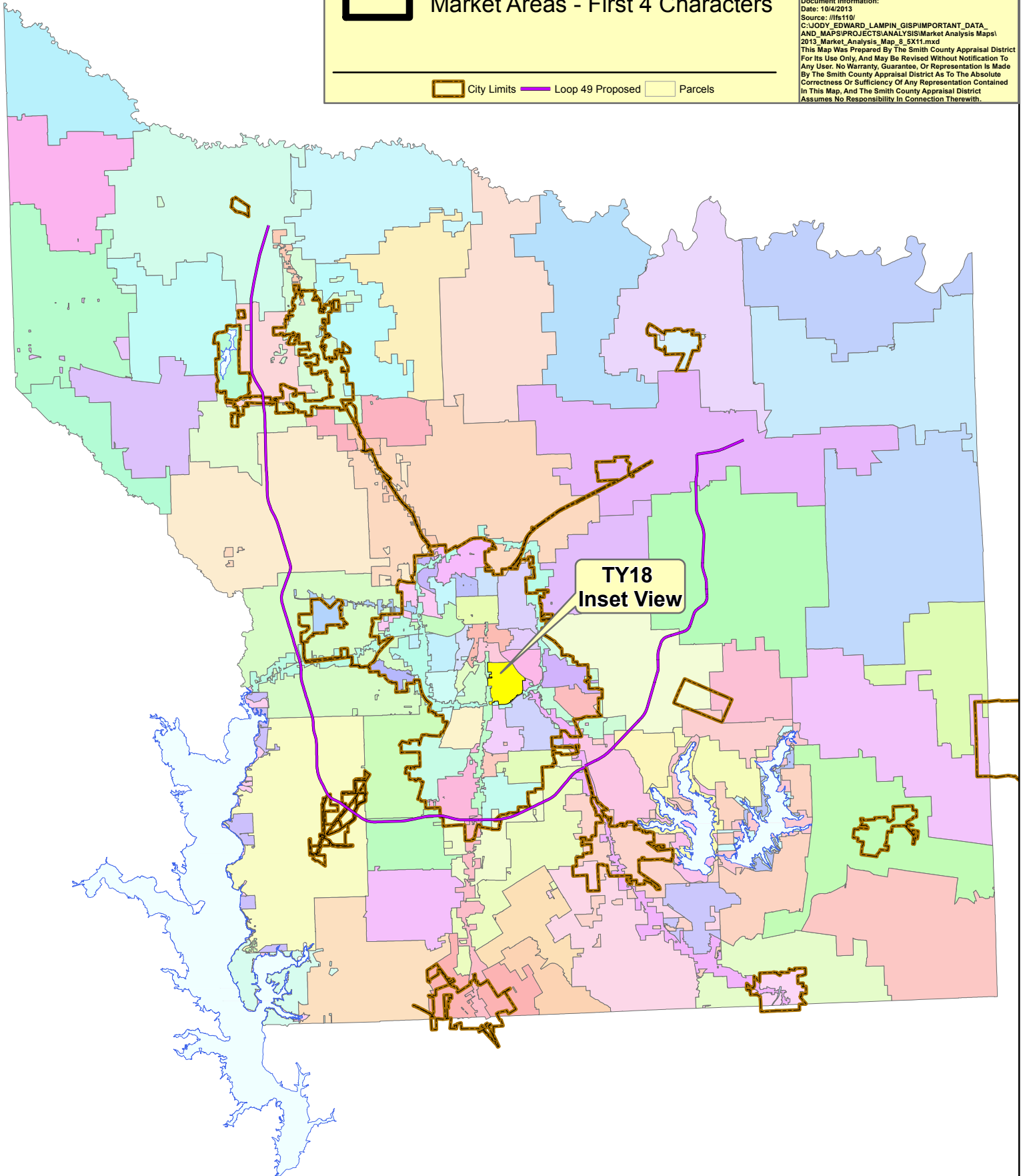





Parcels

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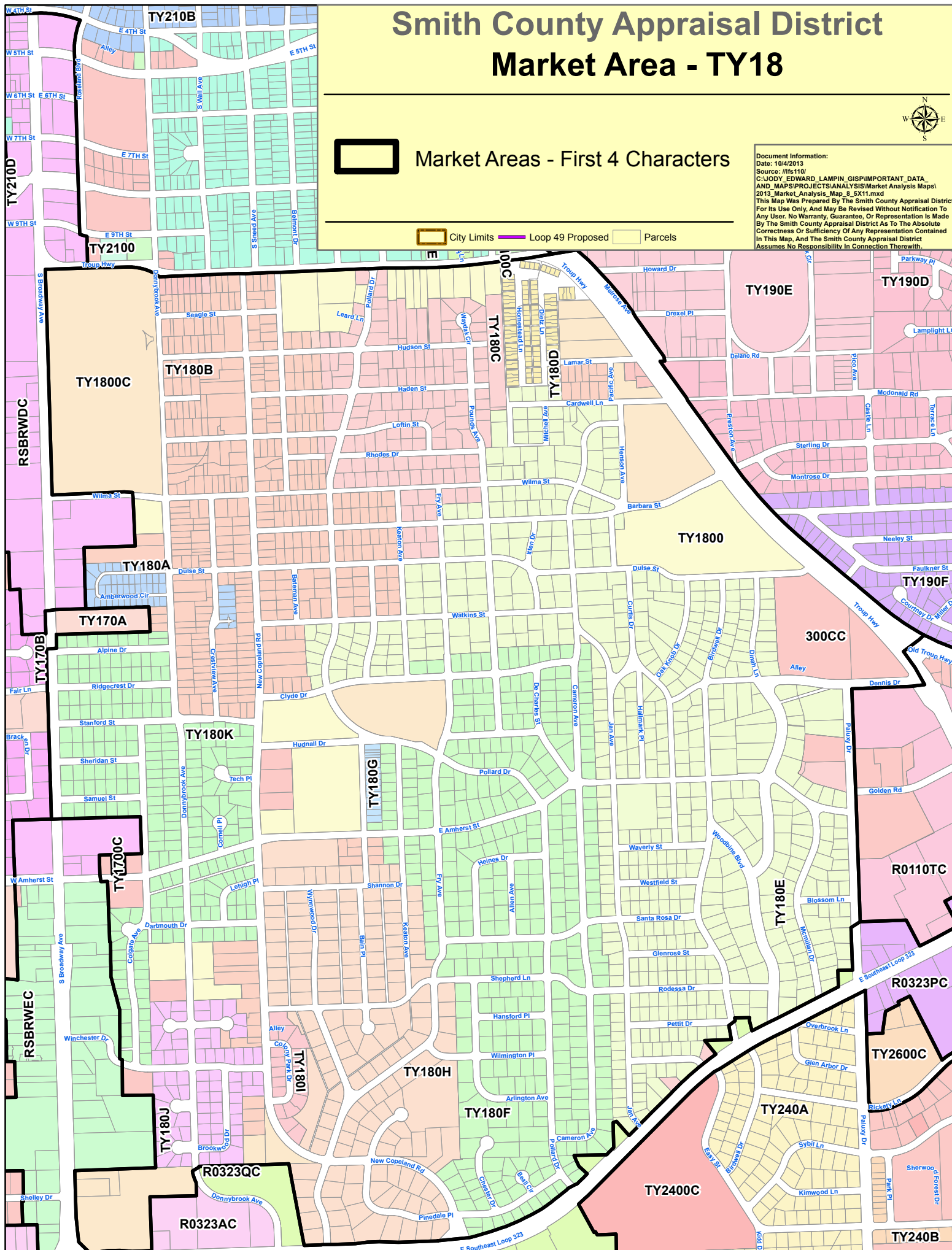
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 City Limits  Loop 49 Proposed  Parcels

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Appendix C

SIC Codes

STANDARD INDUSTRIAL CODES (SIC) - 2020	
CODE DESCRIPTION	LEGACY VALUE
0181 - ORNAMENTAL & NURSERY PRODUCTS	181
0252 - POULTRY & EGGS	252
0279 - BREEDING & RAISING STCK FOR SL	279
0721 - SEEDING CROPS	721
0742 - VET & ANIMAL CLINICS	742
0752 - ANIMAL BOARDING	752
0781 - LDSCAPNG/ARCHTECTS	781
0782 - LAWN & GARDEN SERVICES	782
0783 - SHRUB & TREE SERVICE	783
0831 - FOREST PRODUCTS	831
0921 - FISH HATCHERIES	921
1311 - CRUDE PETROLEUM & NATURAL GAS	1311
1381 - DRILLING-RIG-OIL-GAS	1381
1389 - OIL & GAS FIELD SER - NEC	1389
1411 - DIMENSIONS STONE -BLCKS & SLAB	1411
1422 - CRUSHED & BROKEN LIMESTONE	1422
1423 - CRUSHED & BROKEN GRANITE	1423
1429 - CRUSHED AND BROKEN UNCLASS	1429
1442 - SAND & GRAVEL PITS	1442
1470 - CHEMICAL & FERT MINERAL	1470
1500 - GENERAL BLDG CONTR	1500
1522 - CONSTRUCTION RESIDENTIAL	1522
1541 - CONSTRUCTION-GEN. NON-RESIDEN,	1541
1542 - COMMERCIAL CONSTRUCTION	1542
1600 - HEAVY CONSTRUCTION	1600
1611 - HIGHWAY & ST CONSTR	1611
1622 - BRIDGES TUNNELS & ELEVATED HWY	1622
1629 - HEAVY CONSTRUCTION	1629
1711 - PLUMBING,HEATING,A/C	1711
1721 - PAINT & WALLPAPER	1721
1731 - ELECTRICIANS	1731
1741 - CONTRACTORS - MASONRY	1741
1742 - DRYWALL,INSULATION	1742
1743 - MARBLE,TILE,ETC	1743
1751 - CARPENTERS	1751
1752 - FLOOR LAYING	1752
1761 - ROOFING,SIDING,S/MTL	1761
1771 - CONCRETE WORK	1771
1781 - WATERWELL DRILLING	1781
1790 - CONSTRUCTION/MISC	1790
1791 - STEEL BLDG-CONSTR	1791
1793 - GLASS WORK-NOT AUTO	1793

1794 - EXCAVATION WORK	1794
1795 - WRECKING & DEMOLITION	1795
1799 - SPECIAL TRADE CONTR	1799
2011 - MEAT PROC & PACKERS	2011
2026 - DAIRY MFG & PRODCN	2026
2051 - BAKERIES MFG	2051
2064 - CANDY MANUFACTURING	2064
2077 - RENDERING PLANT	2077
2084 - WINERIES	2084
2086 - BOTTLING PLANT MFG	2086
2095 - COFFEE MANUFACTURING	2095
2097 - ICE MANUFACTURED	2097
2099 - FOOD MANUFACTURING	2099
2339 - WOMEN'S OUTERWEAR MFG	2339
2394 - CANVAS & REL PROD MFG	2394
2421 - SAW & CHIP MILL	2421
2431 - MILLWORK MFG	2431
2434 - CABINET SHOPS, MANUFACTURING	2434
2439 - STRUCTURAL WOOD	2439
2444 - SHEET METAL WORK	2444
2448 - PALLET MFG-WOOD	2448
2452 - PRTBLE BLDG/PREFAB WD	2452
2491 - WOOD PRESERVING	2491
2512 - FURNITURE MFG	2512
2653 - CORRUGATED BOX MFG.	2653
2711 - NEWSPAPER	2711
2731 - BOOKS/PUBLISHING	2731
2752 - COMMERCIAL PRINTING	2752
2761 - BUSINESS FORMS	2761
2782 - INVENTORY-MISC	2782
2789 - BOOKBINDING	2789
2791 - TYPESETTING	2791
2813 - INDUSTRIAL GAS MANUFACTURING	2813
2869 - INDSTRL ORGANIC CHEM	2869
2875 - FERTILIZERS	2875
2891 - ADHESIVES AND SEALANTS	2891
2892 - EXPLOSIVES	2892
2951 - ASPHALT PAVING	2951
3011 - RUBER PRDCTS MFG/TIRS	3011
3069 - FABCTD/RUBER/PROD-XCP	3069
3089 - PLASTIC PROD MFG	3089
3198 - LEATHER PRODUCTS MFG	3198
3225 - GLASS PRODUCTS MFG	3225
3269 - CERAMC POTRY&REL PROD	3269

3272 - CEMENT/CLAY/STONE CO	3272
3281 - STONE, GRAN, MAR- CUT & FINISH	3281
3321 - IRON FONDERS-GRAY-DCTL	3321
3325 - STEEL FOUNDRIES	3325
3399 - METAL INDUST-PRIMARY	3399
3444 - SHEET METAL WORK	3444
3449 - METAL WORK MISC	3449
3451 - SCREW MACHINE PRODUCTS	3451
3479 - METAL COATING	3479
3494 - VALVES AND PIPE FITTINGS	3494
3499 - METAL PRODUCTS FABRTN	3499
3541 - MACHINE TOOL-METAL CUTTING	3541
3563 - COMPRESSORS-AIR & GAS	3563
3585 - A/C & HEATING MFG	3585
3599 - MACHINE SHOP	3599
3621 - MOTORS AND GENERATORS	3621
3625 - RLAYS & INDSTRL CNTRL	3625
3643 - CURRENT-CARRYING WIRE DEVICES	3643
3677 - ELECTRONIC COILS	3677
3698 - OTHER ELECTRIC EQUIPMENT	3698
3699 - ELECTRONIC MFG	3699
3714 - MOTOR VEHICLE PARTS & ACCESSOR	3714
3799 - TRANSPORTATION EQUIPMENT NEC	3799
3911 - JEWELRY - MANUFACTURING	3911
3944 - TOYS, DOLLS MANUFACTURING	3944
3949 - SPORTNG & ATHLTC MFG	3949
3961 - JEWELRY MFG	3961
3991 - MFG-BROOMS & BRUSHES	3991
3999 - MFG-MISCELLANEOUS	3999
4011 - RAILROADS	4011
4056 - COMMERCIAL EQUIPMENT	4056
4119 - AMBULANCE SERVICE	4119
4121 - TAXICABS	4121
4141 - BUS-LOCAL CHARTER	4141
4142 - BUS-NOT LOCAL	4142
4173 - BUS TERMINAL FACLTS	4173
4212 - TRUCKING CO-LOCAL	4212
4213 - TRCKNG CO-EXCPT LOCL	4213
4214 - LOCAL TRUCKING & STORAGE	4214
4215 - COURIER SERVICE EXCEPT AIR	4215
4225 - STORG & GEN WARHSNG	4225
4226 - SPECIAL WAREHOUSE & STORAGE	4226
4231 - TERMINAL FACILITIES	4231
4311 - POSTAL SERVICE - PRIVATE	4311

4493 - BOAT REPAIR & STORG	4493
4512 - AIRLINES-SCHEDULED	4512
4522 - AIRCRAFT-BUSINESS	4522
4581 - AIRCRAFT REPAIR SERV	4581
4613 - PIPELINES-PETROL REF	4613
4619 - PIPELINES-GAS	4619
4700 - VEHICLES-BUSINESS	4700
4724 - TRAVEL AGENCIES	4724
4731 - MOVING COMPANIES	4731
4783 - PACKAGING & CRATING	4783
4789 - TRANSPORTATION MISC	4789
4812 - RADIOTELEPHONE COMMUNICATION	4812
4813 - TELPHON & TELGRAPH CO	4813
4832 - RADIO STATIONS	4832
4833 - TELEVISION STATIONS	4833
4841 - CABLE/CABLE TV	4841
4899 - COMMUNICATIONS MISC	4899
4911 - ELECTRIC TRANS	4911
4925 - GAS COMPANIES-NATURAL	4925
4941 - WATER SUPPLY & SYSTMS	4941
4952 - SANITAY SERVICES-SEWR	4952
4953 - REFUSE SYSTEMS	4953
5012 - AUTO & OTHER MOTOR VE	5012
5013 - AUTO PARTS NEW - WHOLESALE	5013
5014 - TIRES & TUBES - WHOLESALE	5014
5015 - AUTOMOTIVE SALVAGE	5015
5021 - FURNITURE - WHOESALE	5021
5023 - HOMEFURNISHINGS WHOLESALE	5023
5031 - LMBER-CNSTR MTRLS-WHL	5031
5032 - BRICK SAND & GRAVEL	5032
5033 - ROOFING,SIDING,& INSULATION	5033
5039 - CONSTRUCTION MATERIAL	5039
5043 - CAMERA/PHOTO SUPPLY- WHOLESLE	5043
5044 - OFFICE EQUIPMENT	5044
5045 - COMPUTERS - SOFTWARE	5045
5047 - MEDCL SUPP-EQUIP SLS -WHOLESLE	5047
5051 - METAL PRODUCTS	5051
5063 - ELEC SUPLY,ALARMS&SYS	5063
5064 - ELECTRICAL APPLICANCES	5064
5065 - ELEC PARTS & EQUIP	5065
5074 - PLUMBING SUPPLIES	5074
5075 - HEATING&A/C EQUIP & SUPPLY	5075
5078 - REFRIGERATION EQUIPMENT	5078
5082 - HEAVY EQUIP - WHOLESALE	5082

5083 - FARM & GARDEN MACHRY	5083
5084 - M & E DEALER (NON-AG)	5084
5087 - BEAUTY & BARBER SUPP-WHOLESALE	5087
5091 - SPORT & RECRTL EQUIP	5091
5092 - TOYS/ HOBBY GOODS SUPPLIES-WHS	5092
5093 - SCRAP AND WASTE MATERIALS	5093
5099 - MONUMENTS / GRAVE MARKERS- WHS	5099
5112 - STATIONERY & OFFICE SUPPLIES	5112
5113 - PAPER PRODUCTS	5113
5122 - DRUGS DISTRIBUTOR	5122
5136 - CLOTHING - WHOLESALE	5136
5139 - SHOE-WHOLESALE	5139
5141 - GROCERIES- WHOLESALE	5141
5143 - DIARY PROD-EXCEPT DRIED OR CAN	5143
5144 - POULTRY AND POULTRY PRODUCTS	5144
5146 - FISH AND SEAFOOD	5146
5147 - MEAT AND MEAT PRODUCTS	5147
5148 - FRUITS AND VEG - WHOLESALE	5148
5149 - FOOD PRODUCTS	5149
5154 - AUCTIONNG LVSTCK-WHLS	5154
5159 - FARM-PRODUCT RAW MTRL	5159
5162 - PLASTICS - WHOLESALE	5162
5169 - CHEM SALS-SANTRY SPLY	5169
5171 - PETRL-BULK STORS DIST	5171
5172 - PETRL LNDMN,BRKR-PROD	5172
5191 - FARM & RANCH SUPPLY	5191
5192 - BOOKS,PERIODICALS,& NEWSPAPERS	5192
5193 - FLOWERS,NURSERY STOCK WHOLESAL	5193
5194 - TOBACCO & TOBACCO PRODUCTS WHS	5194
5198 - PAINTS VARNISH & SUPPLIES	5198
5199 - WHOLESALE-MISC	5199
5211 - BUILDING MATERIALS	5211
5231 - PAINT & WALLPAPER STORES	5231
5251 - HARDWARE STORES	5251
5261 - NURSRES-RETL-GRDN SHP	5261
5271 - MOBILE HM DEALER SALS	5271
5311 - DEPARTMENT STORE	5311
5331 - DISCOUNT & VARTY STRS	5331
5375 - PET SUPPLIES - RETAIL	5375
5399 - MISC GENERAL MERCHANDISE STORE	5399
5411 - GROCERY-SUPERMARKET	5411
5412 - CONVENIENCE STORE	5412
5421 - MEAT & FISH MARKETS	5421
5431 - FRUITS & VEGTBL MRKTS	5431

5441 - CANDY & NUTS	5441
5461 - BAKERIES-SALES	5461
5499 - HEALTH FOOD-GROCERIES-RETAIL	5499
5511 - AUTOMOTIVE DEALER-NEW	5511
5521 - AUTOMOTIVE DEALER-USD	5521
5531 - AUTO PRTS, BATTERIES - TIRES	5531
5541 - SERV STATONS,GAS,EQU	5541
5551 - BOAT DEALERS	5551
5561 - RECREATINL VEH DEALRS	5561
5571 - MOTORCYCLE DEALERS	5571
5599 - AIRCRFT DEALRS & MISC	5599
5611 - CLOTHING-MEN	5611
5621 - CLOTHING-WOMENS	5621
5632 - CLOTHING- ACCESSORIES	5632
5641 - CLOTHING-CHILDREN	5641
5651 - CLOTHING-FAMILY	5651
5661 - SHOE STORE FAMILY	5661
5662 - SHOE STORE-MEN	5662
5663 - SHOE STORE - ATHLETIC	5663
5664 - SHOE STORE-WOMEN	5664
5665 - SHOES WESTERN BOOTS	5665
5680 - CLOTHING-UNIFORMS	5680
5699 - CLOTHING-MISC	5699
5712 - FURNITURE-NEW SALES	5712
5713 - FLOOR COVERING	5713
5714 - DRAPERY & UPHOLSTERY STORES	5714
5719 - FURN-MISC HME FURNS	5719
5722 - APPLIANCE STORES	5722
5731 - RADIO,TV-ELCTRNIC STRS	5731
5732 - CELLUAR & WIRELESS COMM EQUIP	5732
5734 - COMPUTER & COMPUTER SOFTWARE	5734
5735 - RECORDS-TAPES STORES	5735
5736 - MUSIC INSTRUMNT STORE	5736
5811 - CATERERS	5811
5812 - CAFETERIAS/BUFFET	5812
5813 - NGHTCLB,LUNGE,BAR-TAV	5813
5814 - RESTAURANT-FAST FOOD	5814
5815 - REST/FULL SERVICE	5815
5816 - CAFE/DINER/OTHER	5816
5817 - PIZZA	5817
5818 - RESTURNT-SANDWH-DELI	5818
5819 - RESTNT-DESERT-COFFEE	5819
5912 - DRUG STORES	5912
5913 - PHARMACY	5913

5914 - MED SUPP-EQUP- RETAIL	5914
5921 - LIQUOR STORE	5921
5932 - MERC STORS-USED,ANTQ	5932
5933 - PAWN SHOP	5933
5941 - SPORTNG GDS-BCYLE SHP	5941
5942 - BOOK STORE-NEW	5942
5943 - OFFICE SUPPLY - RETAIL	5943
5944 - JEWELRY STORE	5944
5945 - HOBBY SHOP, ARTS & CRAFT	5945
5946 - CAMERA & PHOTOGRAPHIC SUPPLIES	5946
5947 - GFT,NOVLTY-SUVNIR SHP	5947
5948 - LUGAGE-LEATHER GOODS	5948
5949 - FABRC STRS,ARTS,CRFTS	5949
5961 - INTERNET RETAIL SALES	5961
5962 - AUTOMATIC MERCH MACHINE OPERAT	5962
5963 - BEAUTY & BARBER SUPP-RETAIL	5963
5984 - BUTANE & PROPANE CO	5984
5989 - FUEL DEALERS	5989
5991 - FARM & RANCH	5991
5992 - FLORISTS	5992
5993 - TOBACCO SHOP	5993
5995 - OPTICAL GOODS STORES	5995
5999 - RETAIL-MISC	5999
6029 - BANKS	6029
6035 - SAVINGS & LOANS	6035
6061 - CREDIT UNIONS	6061
6099 - CHECK CASHING SERVICE	6099
6141 - FINANCE CO-PERSONAL	6141
6153 - FINANCE CO-BUSINESS	6153
6159 - FINCE INSTITUTN-MISC	6159
6162 - MORTGAGE COMPANY	6162
6211 - INVESTMNT & BROKERGE	6211
6282 - FINANCIAL PLANNING	6282
6300 - INSURANCE AGENCIES	6300
6411 - INSURANCE AGENTS	6411
6512 - COMM BLDG - RENTAL OR LEASING	6512
6514 - RESIDENTIAL RENTAL/LEASING	6514
6515 - MOBILE HOME PARK OPERATOR	6515
6531 - REAL EST AGTS & MGRS	6531
6541 - ABSTRACT & TITLE	6541
6552 - LAND SUBDIVIDERS	6552
6553 - CEMETERY	6553
7011 - MOTEL-HOTEL-ECONOMY	7011
7012 - MOTEL/HOTEL-MODERN	7012

7021 - APARTMENT-COMPLEXES	7021
7022 - APARTMENT-MISC	7022
7032 - SPORTING / RECREATINAL CAMP	7032
7033 - TRAILER PARKS & CAMPSITES	7033
7101 - INTERIOR DESIGN	7101
7211 - LAUNDRIES-COMMERCIAL	7211
7215 - LAUNDROMAT	7215
7216 - DRY CLEANING PLANTS	7216
7217 - CARPET & UPHOLSTERY CLEANER	7217
7219 - LAUNDRY/GARMENT SVCS-ALTERAT	7219
7221 - PHOTO & PORTRAIT STUDIOS	7221
7231 - BEAUTY SHOPS	7231
7241 - BARBER SHOPS	7241
7251 - SHOE REPAIR	7251
7261 - FUNERAL HOME	7261
7291 - INCOME TAX SERVICE	7291
7299 - PERSONAL SERV-MISC	7299
7311 - ADVERTISING AGENCIES	7311
7312 - SIGN,BILBORD/OTSDE AD	7312
7319 - TRANSIT ADVERTISING SERVICE	7319
7322 - COLLECTION AGENCY	7322
7334 - PHOTOCOPYING SERVICE	7334
7335 - PHOTOGRAPHY-COMERCAL	7335
7336 - GRAPHIC DESIGN SVCS	7336
7342 - PEST CONTROL	7342
7349 - JANITORIAL SERVICE	7349
7352 - RENTAL-MEDICAL EQUIPMENT	7352
7359 - EQUIP & FURN RENTAL	7359
7361 - EMPLOYMENT AGENCIES	7361
7363 - CONSULTANTS	7363
7371 - COMPUTER PROGRAMMING SERVICE	7371
7372 - COMPTR PREPCKGD SFTWR	7372
7374 - DATE PROCESSING SERVICES	7374
7375 - INTERNET ACCESS PROVIDERS	7375
7378 - COMPTER MAINT & REPRS	7378
7380 - ARMORED CAR	7380
7381 - SECURITY/ PRIVATE INVESTIGATOR	7381
7382 - SECURITY SYSTEMS	7382
7384 - FILM PROCESSING	7384
7389 - BUSINESS SERV- ADMINISTRATION	7389
7513 - TRUCK RENTAL & LEASING	7513
7514 - PASSENGER CAR RENTAL	7514
7515 - PASSENGER CAR LEASING	7515
7521 - AUTOMOBILE PARKING	7521

7532 - AUTO REPAIR-BODY SHP	7532
7533 - AUTO EXHAUST SYS REPAR-MUFFLER	7533
7534 - TIRE REPAIR-RECAPNG	7534
7536 - AUTO GLASS & MIRROR	7536
7537 - AUTO TRANSMISION SHPS	7537
7538 - AUTO REPAIR & SERV GA	7538
7539 - AUTO REPAIR-ENGINE MAINTENANCE	7539
7542 - CAR WASH-CAR CARE CTR	7542
7549 - AUTO SERV-EXCEPT REPA	7549
7622 - RADIO & TV REPAIR	7622
7623 - A/C HEATNG SALES-SERV	7623
7629 - ELECTRICAL, HSEHOLD APPL REPAIR	7629
7631 - WATCH,CLOCK-JWLRY RPR	7631
7641 - UPHOLSTERY-FURN REPAR	7641
7692 - WELDING SERVICE	7692
7694 - ELECTRIC MOTOR REPAIR	7694
7698 - LOCKSMITH-REPAIR SERV	7698
7699 - REPAIR SERVICE-MISC	7699
7812 - VIDEO/ MOVIE PRODUCTION	7812
7832 - MOTION PICTUR-WALK-IN	7832
7833 - MOTIN PICTRE-DRIVE-IN	7833
7841 - VIDEO TAPE RENTAL	7841
7911 - DNCE STUDOS,SCHOL,HAL	7911
7929 - ENTERTAINERS & GROUPS	7929
7933 - BOWLING CENTERS	7933
7941 - SPORTS CLB,MNGRS-PRMT	7941
7948 - RACING & TRACK OPERTN	7948
7991 - HELTH SPA,GYM,FITNS C	7991
7992 - PUBLIC GOLF COURSES	7992
7993 - VIDEO GAMES & ARCADES	7993
7997 - MEMBRSHSP SPRT-REC CLB	7997
7999 - AMUSMNT REC,GLF-PUT-P	7999
8011 - DOCTORS-MEDICAL	8011
8021 - DENTISTS	8021
8031 - PHYSICAL THERAPY CLINICS	8031
8041 - CHIROPRACTOR	8041
8042 - OPTOMETRISTS	8042
8043 - PODIATRISTS	8043
8049 - MEDICAL OFFICE OTHER	8049
8051 - NURSING HOME-SKILLED CARE	8051
8052 - ASSISTED LIVING CARE	8052
8062 - HOSPITALS-MED-SURGICL	8062
8063 - MEDICAL-PSYCHIATRIC	8063
8071 - MEDICAL CLNCS-LAB EQP	8071

8072 - DENTAL LAB	8072
8082 - HOME HEALTH CARE SERV	8082
8092 - MEDCL CLNCS-KIDNY DL	8092
8093 - MEDICAL CLNCS - EMERGENCY	8093
8099 - MEDICAL-MISC	8099
8111 - ATTYS & LEGAL SERV	8111
8249 - SCHOOL - TRADE-VOCATIONAL	8249
8299 - EDUCATONL SERV-SCHL	8299
8322 - SOCIAL SERVICE INDIVIDUAL/FAMI	8322
8351 - CHILD DAYCARE SERV	8351
8361 - RETIREMENT HOME	8361
8631 - LABOR UNIONS	8631
8641 - CLUBS-CIVIC-SOCIAL-ASSOC	8641
8661 - RELIGIOUS ORGNIZTIONS	8661
8711 - ENGINEERING SERVICES	8711
8712 - ARCHITECTS	8712
8713 - SURVEYORS	8713
8721 - ACCTNTS,BKPING & CPA	8721
8734 - LABS-NON MEDICAL	8734
8741 - MANAGEMENT SERVICES	8741
8748 - CONSULTING-BUSINESS	8748
8999 - OFFICE-GENERAL-ADMINISTRATIVE	8999
9990 - INTANGIBLES	9990
9991 - ROLLINGSTOCK	9991