



Technical Memorandum
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To: Mona Lisa Didelot-Page, CPSI
Motorcycle Safety Program Manager, TxDOT

From: Eva Shipp, Ph.D.
Program Manager, TTI

Lingtao Wu, Ph.D., P.E.
Associate Research Engineer, TTI

Marcie Perez, M.Ed.
Assistant Research Scientist, TTI

Jake McDonald, B.S.
Assistant Transportation Researcher, TTI

Cody Stewart, B.B.A.
Associate Transportation Researcher, TTI

Troy Walden, Ph.D.
Program Manager, TTI

Project #: 411246-00001

Subject: To Evaluate FY2020 Mailing Campaign

Project Overview

In FY 2021, the Texas A&M Transportation Institute (TTI) received a Texas Department of Transportation (TxDOT) traffic safety grant to continue motorcycle safety efforts focused on getting unlicensed riders to pursue training and receipt of a motorcycle license (Class M). By completing motorcycle safety training, riders learn the minimum level of riding knowledge and skill needed to obtain a Class M in Texas.

Previous motorcycle crash analyses in FY 19 and FY 20 revealed that a substantial proportion of motorcycle operators killed in crashes on public roadways in Texas did not have a valid Class M at the time of the crash, a data trend that appeared to be increasing. To address this urgent transportation safety need, the FY 2020 project developed a postcard campaign. Riders who had a motorcycle registered in the State but do not have a Class M were mailed a postcard about how to obtain a Class M. The postcard mailout was based on a very successful initiative in Michigan called [Shadow Rider](#), which demonstrated a 50% decrease in unendorsed riders since the campaign began in 2013. Similar to Texas, Michigan requires riders to complete a motorcycle safety training course before obtaining their motorcycle endorsement. Although completing a motorcycle safety training course will not necessarily prevent crash involvement, all riders should be alert and aware of the risks associated with riding, which are topics covered in training.

The individuals targeted for the postcard mailout in Texas in FY 2020 were identified through a data linkage process involving Texas Department of Public Safety (TxDPS) driver license and Texas Department of Motor Vehicle (TxDMV) vehicle registration data. The postcard mailout was distributed via USPS in August of 2020.

FY 2020 Linkage Process

In FY 2020, TTI worked with TxDPS to acquire a driver license file of individuals with a valid Class M. The motorcycle licensing data contained 1,160,890 records, including individuals holding a Class CM license (N=1,024,566 records)¹ and individuals holding a Class AM², BM³, or only M license (N=136,324 records).

TTI also worked with the TxDMV to obtain a data file containing Texas motorcycle registrations. The data included 339,076 records. The motorcycle registration file contained far fewer records than the number included in the licensing data file. One reason for the smaller number of records is that people may be likely to maintain the Class M once they earn it. For example, a rider could get the Class M as a young adult and have a motorcycle at that time. If later, the rider no longer owns a motorcycle, they may still

¹ Class C License authorizes an individual to drive: *Any vehicle or combination of vehicles that is not a Class A or Class B if the vehicle is (1) designed to transport 16 to 23 passengers including the driver; or (2) used in the transportation of hazardous materials that require the vehicle to be placarded under 49 CFR, Part 172, Subpart F*, as defined in the Texas Commercial Motor Vehicle Drivers Handbook, <https://www.dps.texas.gov/internetforms/Forms/DL-7C.pdf>.

² Class A License authorizes an individual to drive: *(1) Single vehicle with a gross vehicle weight rating (GVWR) of 26,001 pounds or more (2) A combination of vehicles with a GCWR of 26,001 pounds or more provided the GVWR of the vehicle(s) towed is in excess of 10,000 pounds*, as defined in the Texas Commercial Motor Vehicle Drivers Handbook, <https://www.dps.texas.gov/internetforms/Forms/DL-7C.pdf>.

³ Class B License authorizes an individual to drive: *(1) Single vehicle with a GVWR of 26,001 pounds or more (2) Single vehicle with a GVWR of 26,001 pounds or more that is towing a vehicle with a GVWR that does not exceed 10,000 pounds or a farm trailer with a GVWR that does not exceed 20,000 pounds (3) A bus with a seating capacity of 24 passengers or more including the driver*, as defined in the Texas Commercial Motor Vehicle Drivers Handbook, <https://www.dps.texas.gov/internetforms/Forms/DL-7C.pdf>.

maintain their Class M to continue to ride motorcycles in the future. Another issue with the motorcycle registration records is that one individual can own multiple motorcycles.

TTI instituted an iterative linkage process to identify individuals with a registered motorcycle who did not also have a record for a Class M. At the completion of the linkage process, the total number of unmatched, unique registration records was 84,264 records. These records formed the basis of the evaluation.

FY 2021 Evaluation Methods

In FY 2021, TTI sought to ascertain the extent to which individuals who were mailed a postcard in FY 2020 had a Class M approximately one year later. The analysis was valuable because an increase in the proportion of individuals previously without a Class M who subsequently had a Class M, serves as a proxy measure for the effectiveness of the mailout outreach program.

Table 1 lists the iterative linkage algorithms for answering the research question of how many of the 84,277 individuals/addresses targeted for the mailout in FY 2020 were subsequently associated with a person who had a Class M in FY 2021. Lat and long refers to the latitude and longitude coordinates relating to address fields. In FY 2021, TTI adopted a new linkage approach based on coding the geographical coordinates for the address fields in the datasets.

Table 1. Iterative linkage algorithm for the project evaluation.

Matching Result	Criteria
A1	FirstName + MiddleName + LastName + FullAddress + Zip
A2	FirstName + MiddleName + LastName + Lat&Long
A3	FirstName + LastName + FullAddress + Zip
A4	FirstName + LastName + Lat&Long
B1	FirstNameInitial + MiddleNameInitial + LastNameInitial + FullAddress + Zip
B2	FirstNameInitial + MiddleNameInitial + LastNameInitial + Lat&Long
B3	FirstNameInitial + LastNameInitial + FullAddress + Zip
B4	FirstNameInitial + LastNameInitial + Lat&Long
C1	LastName + FullAddress + Zip
C3	LastNameInitial + FullAddress + Zip

Of the 84,277 motorcycle records that did not match to a Class M record in FY 2020, 4,991 (5.9 %) matched to a Class M record in FY 2021. Therefore, the remaining 94.1% of records did not match to a Class M record in FY 2020 also did not match to Class M record in FY2021.

To better understand riders who did and did not match to a license in FY2021, the records that matched and did not match were analyzed using descriptive statistics. The age and gender of individuals with a matched record were computed. In addition, the percentage of matched records by city and county was computed as:

$$\text{Number of matched records in FY2021} \div \text{Total number of unmatched records in FY2020}$$

Computing the match percentage enabled the identification of cities and counties with the highest and lowest match percentages, an indicator of the impact of the mail campaign in FY 2020 and the degree of variation across the state. Results are presented in tables and a map.

Evaluation Results

Demographic description of matched records

The following details the demographic information for the matched records. The majority of matched records were associated with males (88.2%). The majority also were classified as White (74.9%), followed by Black (7.1%), Asian (5.4%), and other/unknown (12.6%). Rider age ranged from 16 to 89 years. The mean and median ages were both 47 years. With respect to the type of license held by the riders, the majority (88.4%) held a Class C with the Class M followed by 9.5% who held a Class A with the Class M. A very small proportion (2.1%) held a Class B with the Class M and 4 (0.1%) riders held only the Class M. The demographics of the matched sample is very similar to all Class M holders overall in Texas.

Match percentages by county and city

Match percentages by city and county varied widely. Figure 1 displays the match percentages by county with values ranging from 0 to 71.9%.

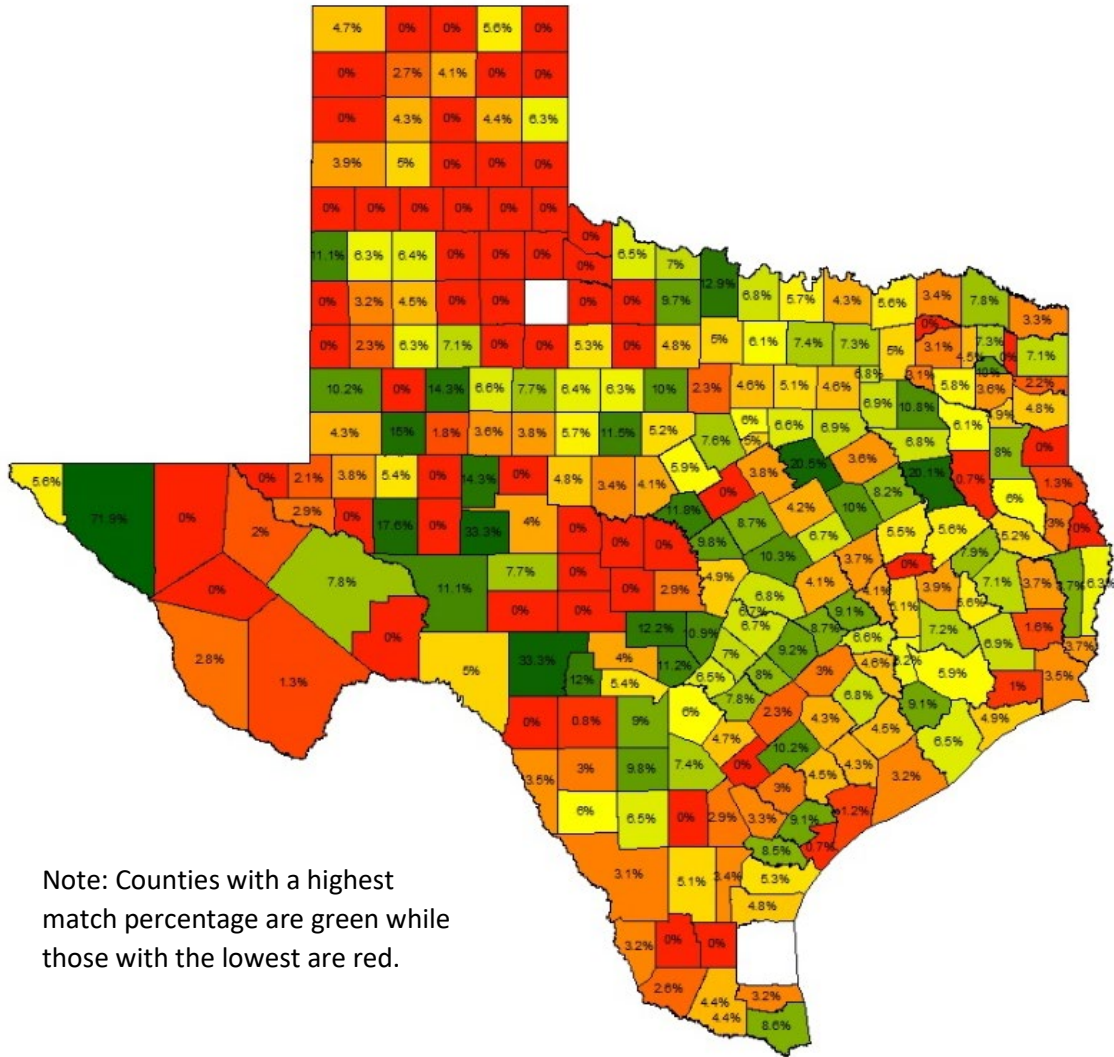
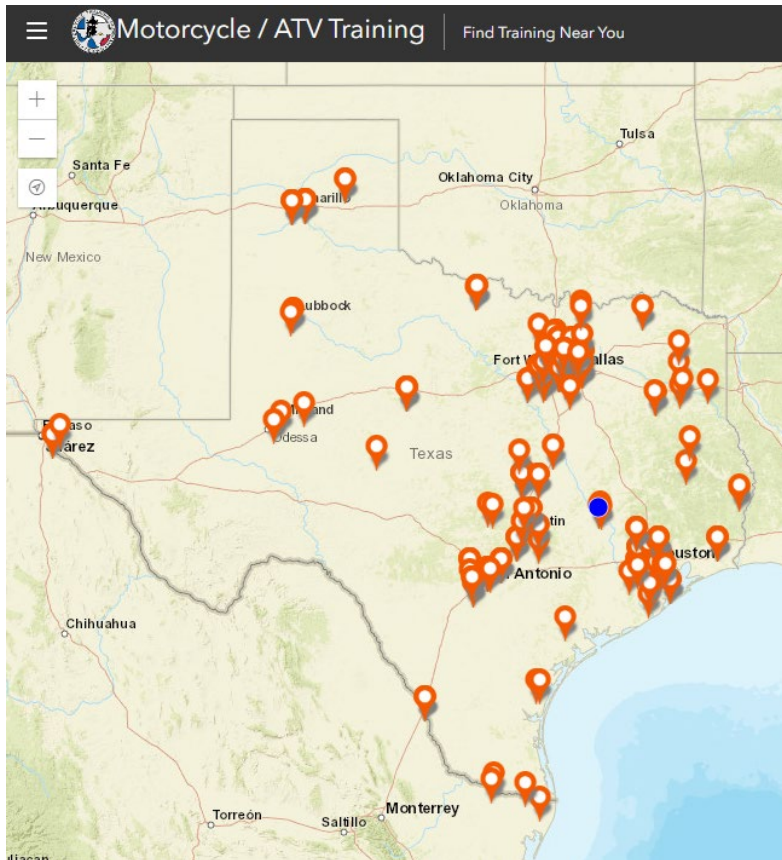


Figure 1. Percentage of matched records by county.

Figure 2 displays the location of motorcycle and all-terrain vehicle (ATV) training programs as listed on the [TxDPS Motorcycle/ATV Safety Unit](#) website.⁴ In general, areas with training programs had higher match percentages.

⁴ This website will be functional until 9/1/2020 when the Texas Department of Licensing and Regulation (TDLR) will take over managing the State's motorcycle safety operator training program.



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The top 15 counties with the highest match percentages, and a minimum of five matches, are listed in Table 2. Hudspeth County had the highest match percentage at 71.9%, while the other top counties ranged from 10% to 20.5%. The Appendix contains a table for all the counties. In terms of the counties with the lowest match percentages, 58 counties, or 22.8%, had no matches. An additional 80 counties had a match percentage less than 5% but greater than 0%, 89 counties had a match percentage from 5 up to 10%, and 25 counties had a match percentage of 10% or greater. There were no data for two counties.

⁵ Interactive map available at: <https://www.dps.texas.gov/msb/map/>

Table 2. Top 15 counties with the highest match percentage.

County	Number of records with a new Class M	Match percent
CAMP	5	10.0%
LIMESTONE	8	10.0%
DEWITT	6	10.2%
GAINES	11	10.2%
BELL	171	10.3%
VAN ZANDT	23	10.8%
BLANCO	6	10.9%
KENDALL	15	11.2%
CALLAHAN	6	11.5%
GILLESPIE	10	12.2%
ANDERSON	33	20.1%
HILL	32	20.5%
HUDSPETH	69	71.9%

Table 3 displays the top 15 counties with the highest frequency of matches. These counties are also the home to highly populated and urbanized areas. Harris County had the highest frequency at 620 matches.

Table 3. Top 15 counties with the highest frequency of matches.

County	Number of records with a new Class M	Match percent
HARRIS	620	5.9%
TARRANT	315	5.1%
BEXAR	307	6.0%
DALLAS	254	4.6%
TRAVIS	250	6.7%
EL PASO	205	5.6%
DENTON	179	7.4%
BELL	171	10.3%
COLLIN	165	7.3%
MONTGOMERY	150	7.2%
FORT BEND	134	9.1%
WILLIAMSON	107	6.8%
BRAZORIA	83	6.5%

With respect to cities, the match percentages ranged from 0 to 100%. However, cities with a 100% match percentage had a very small sample size of one match. There were 816 cities, or 42% of all cities, with no matches. Seventeen cities had a match percentage between 35.3% and 66.7%. Thirty-three cities had a match percentage between 25.0% and 33.3%, 193 cities had match percentages between 10.1 and 29.9%, and 446 cities had match percentages above 0% but less than 10.0%. Table 4 displays the top 15 cities with the highest match percentage. The leading city was Hillsboro, at 37.1%. The Appendix contains the information for all cities.

Table 4. Top 15 cities with the highest match percentage.

City	Number of records with a new Class M	Match percent
HILLSBORO	13	37.1%
ALVORD	6	35.3%
EDCOUCH	5	33.3%
TATUM	6	31.6%
FT HOOD	14	29.8%
ELKHART	6	28.6%
FORT HOOD	43	25.9%
GROESBECK	6	25.0%
FULSHEAR	8	24.2%
FT BLISS	5	22.7%
CASTROVILLE	5	22.7%
SMITHVILLE	8	21.6%
JOHNSON CITY	6	21.4%

Table 5 presents the top 15 cities with the highest match frequency. These 15 cities are also among the most populated in Texas and in heavily urbanized areas. The city with the greatest number of matches was Houston, at 345 matches.

Table 5. Top 15 cities with the highest match frequency.

City	Number of records with a new Class M	Match percent
HOUSTON	345	5.6%
SAN ANTONIO	256	5.7%
EL PASO	237	7.1%
AUSTIN	234	7.1%
DALLAS	112	4.3%
FORT WORTH	95	4.6%
KATY	75	8.8%
SPRING	64	7.2%
KILLEEN	55	6.6%
CORPUS CHRISTI	50	5.2%
CYPRESS	47	10.9%
AMARILLO	44	4.5%
ARLINGTON	44	4.3%

Conclusion and Limitations

This project built on prior research and continues to demonstrate the value of linking data to better understand Class M licensing trends and patterns. While the match percentages varied across counties and cities, as expected, the highest number of matches occurred in more populated areas.

A notable proportion (5.9%) of motorcycle registration records that did not link to a Class M record in FY 2020 linked to a Class M record in FY 2021.

Statewide, a notable proportion (5.9%) of motorcycle registration records that did not link to a Class M record in FY 2020 subsequently linked to a Class M record in FY 2021. This high proportion suggests that the mailout outreach program had a positive impact. However, the linkage algorithms in FY 2021 were improved by coding addresses by their latitude and longitude coordinates. As a result, some of the records identified as “new” Class M records in FY 2021 may have had their Class M in FY 2020, but were not identified as such due to misspelled or incomplete addresses. Therefore, although unlikely, it is possible that some of the “unmatched” records in FY 2020 that were “matched” in FY 2021 had their Class M in FY 2020. The impact of the targeted mailout program could be overestimated to the extent of this phenomenon.

Appendix

Table 6. Match counts and percentages by county, FY 2021.

County	Number of records with a new Class M	Match percent
HUDSPETH	69	71.9%
EDWARDS	2	33.3%
IRION	1	33.3%
HILL	32	20.5%
ANDERSON	33	20.1%
UPTON	3	17.6%
MARTIN	3	15.0%
BORDEN	1	14.3%
STERLING	1	14.3%
CLAY	4	12.9%
GILLESPIE	10	12.2%
REAL	3	12.0%
MILLS	2	11.8%
CALLAHAN	6	11.5%
KENDALL	15	11.2%
BAILEY	2	11.1%
CROCKETT	2	11.1%
BLANCO	6	10.9%
VAN ZANDT	23	10.8%
BELL	171	10.3%
GAINES	11	10.2%
DEWITT	6	10.2%
LIMESTONE	8	10.0%
CAMP	5	10.0%
STEPHENS	2	10.0%
FRIO	8	9.8%
LAMPASAS	8	9.8%
ARCHER	3	9.7%
BASTROP	29	9.2%
FORT BEND	134	9.1%
BURLESON	10	9.1%
REFUGIO	2	9.1%
MEDINA	14	9.0%

County	Number of records with a new Class M	Match percent
CORYELL	29	8.7%
JASPER	10	8.7%
LEE	4	8.7%
CAMERON	82	8.6%
SAN PATRICIO	24	8.5%
FREESTONE	5	8.2%
RUSK	15	8.0%
CALDWELL	11	8.0%
TRINITY	5	7.9%
GUADALUPE	43	7.8%
PECOS	4	7.8%
RED RIVER	4	7.8%
FISHER	1	7.7%
SCHLEICHER	1	7.7%
ERATH	10	7.6%
DENTON	179	7.4%
ATASCOSA	12	7.4%
COLLIN	165	7.3%
TITUS	6	7.3%
MONTGOMERY	150	7.2%
POLK	17	7.1%
CASS	8	7.1%
GARZA	1	7.1%
HAYS	49	7.0%
WICHITA	33	7.0%
ELLIS	44	6.9%
KAUFMAN	36	6.9%
LIBERTY	22	6.9%
WILLIAMSON	107	6.8%
HENDERSON	26	6.8%
ROCKWALL	20	6.8%
COLORADO	5	6.8%
MONTAGUE	5	6.8%
TRAVIS	250	6.7%
FALLS	2	6.7%
JOHNSON	53	6.6%
WASHINGTON	7	6.6%

County	Number of records with a new Class M	Match percent
SCURRY	4	6.6%
BRAZORIA	83	6.5%
COMAL	41	6.5%
WILBARGER	3	6.5%
LA SALLE	2	6.5%
HALE	6	6.4%
JONES	3	6.4%
NEWTON	4	6.3%
LAMB	3	6.3%
LYNN	1	6.3%
SHACKELFORD	1	6.3%
WHEELER	1	6.3%
WALLER	11	6.2%
SMITH	45	6.1%
WISE	20	6.1%
BEXAR	307	6.0%
HOOD	16	6.0%
NACOGDOCHES	11	6.0%
DIMMIT	3	6.0%
HARRIS	620	5.9%
COMANCHE	2	5.9%
WOOD	11	5.8%
TAYLOR	32	5.7%
COOKE	9	5.7%
EL PASO	205	5.6%
FANNIN	9	5.6%
SAN JACINTO	8	5.6%
HOUSTON	4	5.6%
OCHILTREE	2	5.6%
LEON	4	5.5%
MIDLAND	42	5.4%
BANDERA	7	5.4%
NUECES	58	5.3%
HASKELL	1	5.3%
ANGELINA	12	5.2%
EASTLAND	3	5.2%
TARRANT	315	5.1%

County	Number of records with a new Class M	Match percent
GRIMES	6	5.1%
DUVAL	2	5.1%
RANDALL	28	5.0%
HUNT	22	5.0%
VAL VERDE	8	5.0%
SOMERVELL	2	5.0%
JACK	1	5.0%
GALVESTON	76	4.9%
GREGG	23	4.9%
BURNET	9	4.9%
HARRISON	12	4.8%
KLEBERG	5	4.8%
YOUNG	3	4.8%
RUNNELS	2	4.8%
WILSON	8	4.7%
DALLAM	2	4.7%
DALLAS	254	4.6%
PARKER	31	4.6%
AUSTIN	6	4.6%
LUBBOCK	42	4.5%
VICTORIA	14	4.5%
WHARTON	5	4.5%
FRANKLIN	2	4.5%
HIDALGO	69	4.4%
GRAY	4	4.4%
GRAYSON	29	4.3%
POTTER	21	4.3%
ANDREWS	4	4.3%
JACKSON	2	4.3%
LAVACA	2	4.3%
MCLENNAN	32	4.2%
BRAZOS	27	4.1%
BROWN	6	4.1%
HUTCHINSON	5	4.1%
MILAM	3	4.1%
TOM GREEN	17	4.0%
KERR	10	4.0%

County	Number of records with a new Class M	Match percent
WALKER	8	3.9%
DEAF SMITH	2	3.9%
ECTOR	32	3.8%
BOSQUE	3	3.8%
NOLAN	2	3.8%
ORANGE	13	3.7%
TYLER	3	3.7%
ROBERTSON	2	3.7%
UPSHUR	7	3.6%
NAVARRO	6	3.6%
MITCHELL	1	3.6%
JEFFERSON	27	3.5%
MAVERICK	5	3.5%
LAMAR	9	3.4%
JIM WELLS	4	3.4%
COLEMAN	1	3.4%
BOWIE	11	3.3%
BEE	3	3.3%
MATAGORDA	4	3.2%
HOCKLEY	2	3.2%
WILLACY	1	3.2%
ZAPATA	1	3.2%
WEBB	22	3.1%
HOPKINS	4	3.1%
RAINS	2	3.1%
FAYETTE	2	3.0%
GOLIAD	1	3.0%
SAN AUGUSTINE	1	3.0%
ZAVALA	1	3.0%
LLANO	3	2.9%
WARD	2	2.9%
LIVE OAK	1	2.9%
PRESIDIO	1	2.8%
MOORE	2	2.7%
STARR	3	2.6%
PALO PINTO	3	2.3%
GONZALES	1	2.3%

County	Number of records with a new Class M	Match percent
TERRY	1	2.3%
MARION	1	2.2%
WINKLER	1	2.1%
REEVES	1	2.0%
HOWARD	3	1.8%
HARDIN	3	1.6%
BREWSTER	1	1.3%
SHELBY	1	1.3%
CALHOUN	1	1.2%
CHAMBERS	2	1.0%
UVALDE	1	0.8%
ARANSAS	1	0.7%
CHEROKEE	1	0.7%
ARMSTRONG	0	0.0%
BAYLOR	0	0.0%
BRISCOE	0	0.0%
BROOKS	0	0.0%
CARSON	0	0.0%
CASTRO	0	0.0%
CHILDRESS	0	0.0%
COCHRAN	0	0.0%
COKE	0	0.0%
COLLINGSWORTH	0	0.0%
CONCHO	0	0.0%
COTTLE	0	0.0%
CRANE	0	0.0%
CROSBY	0	0.0%
CULBERSON	0	0.0%
DAWSON	0	0.0%
DELTA	0	0.0%
DICKENS	0	0.0%
DONLEY	0	0.0%
FLOYD	0	0.0%
FOARD	0	0.0%
GLASSCOCK	0	0.0%
HALL	0	0.0%
HAMILTON	0	0.0%

County	Number of records with a new Class M	Match percent
HANSFORD	0	0.0%
HARDEMAN	0	0.0%
HARTLEY	0	0.0%
HEMPHILL	0	0.0%
JEFF DAVIS	0	0.0%
JIM HOGG	0	0.0%
KARNES	0	0.0%
KENT	0	0.0%
KIMBLE	0	0.0%
KINNEY	0	0.0%
KNOX	0	0.0%
LIPSCOMB	0	0.0%
LOVING	0	0.0%
MADISON	0	0.0%
MASON	0	0.0%
MCCULLOCH	0	0.0%
MCMULLEN	0	0.0%
MENARD	0	0.0%
MORRIS	0	0.0%
MOTLEY	0	0.0%
OLDHAM	0	0.0%
PANOLA	0	0.0%
PARMER	0	0.0%
REAGAN	0	0.0%
ROBERTS	0	0.0%
SABINE	0	0.0%
SAN SABA	0	0.0%
SHERMAN	0	0.0%
STONEWALL	0	0.0%
SUTTON	0	0.0%
SWISHER	0	0.0%
TERRELL	0	0.0%
THROCKMORTON	0	0.0%
YOAKUM	0	0.0%

Note: Two counties were missing data.

Table 7. Match counts and percentages by city, FY 2021.

City	Number of records with a new Class M	Match percent
WIERGATE	1	100.0%
TEXARANA	1	100.0%
WEST UNIVERSITY PL	1	100.0%
ZAVALA	1	100.0%
SAN ANGLEO	1	100.0%
ROSENBERBG	1	100.0%
PEALAND	1	100.0%
MCKINNNEY	1	100.0%
PALM VIEW	1	100.0%
NORTH LAKE	1	100.0%
PFLUGERVILL	1	100.0%
LISSIE	1	100.0%
LUBBOKCK	1	100.0%
LEAGUE CIY	1	100.0%
FT. BLISS	1	100.0%
GRAPEVINE MILLS	1	100.0%
HEATHRIDGE	1	100.0%
DOUGLAS	1	100.0%
CORISCANA	1	100.0%
DRIPPINGS SPRINGS	1	100.0%
ELAGO	1	100.0%
COLORADO CITY TX	1	100.0%
FAIRFIELD	1	100.0%
BARKER	1	100.0%
AUBRY	1	100.0%
ALEN	1	100.0%
BARKSDALE	1	100.0%
BOGOTA	1	100.0%
MONTALBA	2	66.7%
OGLESBY	3	60.0%
TULETA	1	50.0%
UNIVERSITY PARK	1	50.0%
TIKI ISLAND	1	50.0%
SURFSIDE	1	50.0%
SAINT PAUL	1	50.0%
REKLAW	1	50.0%

City	Number of records with a new Class M	Match percent
MULLIN	1	50.0%
PICKTON	1	50.0%
DRISCOLL	1	50.0%
CLEBURN	1	50.0%
BYERS	1	50.0%
WOODSBORO	2	40.0%
HOU	2	40.0%
HILLSBORO	13	37.1%
ALVORD	6	35.3%
EDCOUCH	5	33.3%
FORT SAM HOUSTON	3	33.3%
BLUE RIDGE	3	33.3%
OAKWOOD	2	33.3%
FLUVANNA	2	33.3%
SHERTZ	1	33.3%
RIO GRANDE CY	1	33.3%
MERTZON	1	33.3%
MARKHAM	1	33.3%
GRAND PRARIE	1	33.3%
GORMAN	1	33.3%
ANGELTON	1	33.3%
TATUM	6	31.6%
TRENTON	3	30.0%
FT HOOD	14	29.8%
ELKHART	6	28.6%
FORT HOOD	43	25.9%
GROESBECK	6	25.0%
MCCAMEY	3	25.0%
INEZ	3	25.0%
TALCO	1	25.0%
W TAWAKONI	1	25.0%
TALPA	1	25.0%
SUTHERLAND SPRINGS	1	25.0%
ROWENA	1	25.0%
PORT BOLIVAR	1	25.0%
FREDRICKSBURG	1	25.0%
GAINSVILLE	1	25.0%

City	Number of records with a new Class M	Match percent
HAMLIN	1	25.0%
GUY	1	25.0%
ENCINAL	1	25.0%
DAWSON	1	25.0%
BYNUM	1	25.0%
FULSHEAR	8	24.2%
MCQUEENEY	3	23.1%
EL LAGO	3	23.1%
FT BLISS	5	22.7%
CASTROVILLE	5	22.7%
ITALY	2	22.2%
CLEAR LAKE SHORES	2	22.2%
SMITHVILLE	8	21.6%
JOHNSON CITY	6	21.4%
NOLANVILLE	7	21.2%
WHITNEY	11	20.4%
PORTLAND	16	20.0%
RIO HONDO	5	20.0%
NORTHLAKE	3	20.0%
HUGHES SPRINGS	3	20.0%
CRESSON	3	20.0%
MT ENTERPRISE	2	20.0%
MEDINA	2	20.0%
HOLLIDAY	2	20.0%
BLUM	2	20.0%
CAMP WOOD	2	20.0%
SURFSIDE BEACH	1	20.0%
WHEELLOCK	1	20.0%
WASHINGTON	1	20.0%
PURDON	1	20.0%
ROCKSPRINGS	1	20.0%
PATTONVILLE	1	20.0%
LYONS	1	20.0%
HAMSHIRE	1	20.0%
MAY	1	20.0%
BARSTOW	1	20.0%
FRANKSTON	5	19.2%

City	Number of records with a new Class M	Match percent
YOAKUM	4	19.1%
SPICEWOOD	8	18.6%
WOLFFORTH	5	18.5%
PALESTINE	20	18.4%
HIGHLAND VILLAGE	6	18.2%
SHADY SHORES	2	18.2%
POINT BLANK	2	18.2%
KIRBY	2	18.2%
GOODRICH	2	18.2%
DILLEY	4	17.4%
MART	2	16.7%
WINDOM	1	16.7%
WEST LAKE HILLS	1	16.7%
STERLING CITY	1	16.7%
SAINT HEDWIG	1	16.7%
SHIRO	1	16.7%
SHOREACRES	1	16.7%
ROTAN	1	16.7%
PALO PINTO	1	16.7%
NECHES	1	16.7%
MICO	1	16.7%
LAKE KIOWA	1	16.7%
ECTOR	1	16.7%
ABERNATHY	1	16.7%
BURTON	1	16.7%
HORIZON CITY	11	16.4%
LA FERIA	6	16.2%
NATALIA	3	15.8%
ALBA	3	15.8%
CANTON	9	15.5%
TRINIDAD	2	15.4%
MUENSTER	2	15.4%
DEWEYVILLE	2	15.4%
COVINGTON	2	15.4%
CLARKSVILLE	2	15.4%
KEMPNER	6	15.0%
STANTON	3	15.0%

City	Number of records with a new Class M	Match percent
GIDDINGS	3	15.0%
MANVEL	13	14.8%
BUNA	5	14.3%
LYTLE	4	14.3%
HOOKS	4	14.3%
BELLS	3	14.3%
WARREN	2	14.3%
SANDIA	2	14.3%
PENITAS	2	14.3%
LEXINGTON	2	14.3%
MAXWELL	2	14.3%
HUBBARD	2	14.3%
HORIZON	2	14.3%
GALENA PARK	2	14.3%
WHEELER	1	14.3%
SUDAN	1	14.3%
MILANO	1	14.3%
GOODFELLOW AFB	1	14.3%
HARKER HGTS	1	14.3%
BLOOMBURG	1	14.3%
BELTON	20	14.2%
CHANDLER	6	14.0%
MURPHY	4	13.8%
CORINTH	11	13.6%
FLINT	8	13.3%
TROY	2	13.3%
STREETMAN	2	13.3%
PROVIDENCE VILLAGE	2	13.3%
SNOOK	2	13.3%
MULESHOE	2	13.3%
HARPER	2	13.3%
NEVADA	5	13.2%
BENBROOK	11	13.1%
DYESS AFB	3	13.0%
FABENS	3	13.0%
COMFORT	3	13.0%
CLYDE	4	12.9%

City	Number of records with a new Class M	Match percent
UNIVERSAL CITY	9	12.5%
SALADO	4	12.5%
WILLOW PARK	2	12.5%
SELMA	2	12.5%
LANTANA	2	12.5%
HEATH	2	12.5%
HAWLEY	2	12.5%
SULLIVAN CITY	1	12.5%
RYE	1	12.5%
RANCHO VIEJO	1	12.5%
RIVERSIDE	1	12.5%
SO HOUSTON	1	12.5%
MOUNTAIN HOME	1	12.5%
ITASCA	1	12.5%
GREGORY	1	12.5%
GROVETON	1	12.5%
GRANGER	1	12.5%
EAGLE LAKE	1	12.5%
BRUCEVILLE	1	12.5%
CIBOLO	16	12.2%
AUBREY	10	12.2%
BULVERDE	4	12.1%
BASTROP	13	12.0%
BOERNE	16	11.9%
COLUMBUS	4	11.8%
TUSCOLA	2	11.8%
MT VERNON	2	11.8%
CISCO	2	11.8%
BRECKENRIDGE	2	11.8%
FREDERICKSBURG	7	11.7%
RED OAK	10	11.6%
FT STOCKTON	3	11.5%
SPRING BRANCH	10	11.5%
ROYSE CITY	10	11.5%
SEMINOLE	11	11.5%
FORT BLISS	6	11.3%
WILLS POINT	8	11.3%

City	Number of records with a new Class M	Match percent
ROSENBERG	10	11.1%
WILMER	2	11.1%
OZONA	2	11.1%
MOODY	2	11.1%
MARTINDALE	2	11.1%
GANADO	2	11.1%
DRIFTWOOD	2	11.1%
BEN WHEELER	2	11.1%
WINK	1	11.1%
SAINT JO	1	11.1%
NRH	1	11.1%
PANTEGO	1	11.1%
JONES CREEK	1	11.1%
LARUE	1	11.1%
FROST	1	11.1%
CROSS PLAINS	1	11.1%
COLLEGE STA	1	11.1%
DIBOLL	1	11.1%
CRAWFORD	1	11.1%
CHINA	1	11.1%
CYPRESS	47	10.9%
NORTH RICHLAND HILL	4	10.8%
KRUM	4	10.8%
MONTGOMERY	24	10.7%
HOCKLEY	8	10.7%
PINEHURST	4	10.5%
VAN	2	10.5%
SCURRY	2	10.5%
GRAPELAND	2	10.5%
CLIFTON	2	10.5%
ANTHONY	2	10.5%
THE WOODLANDS	19	10.4%
CONVERSE	18	10.4%
COPPERAS COVE	19	10.3%
JARRELL	4	10.3%
CALDWELL	4	10.3%
SACHSE	7	10.1%

City	Number of records with a new Class M	Match percent
ELGIN	8	10.1%
SHEPPARD AFB	3	10.0%
RICHLAND HILLS	3	10.0%
ORE CITY	2	10.0%
PLANTERSVILLE	2	10.0%
SUNSET	1	10.0%
MORGAN	1	10.0%
LEAKEY	1	10.0%
IRAAN	1	10.0%
LINDEN	1	10.0%
DE LEON	1	10.0%
CALL	1	10.0%
BAIRD	1	10.0%
FORNEY	14	9.9%
HARLINGEN	23	9.9%
WIMBERLEY	5	9.8%
TRINITY	5	9.8%
NEEDVILLE	3	9.7%
CADDO MILLS	3	9.7%
KYLE	19	9.6%
CANYON LAKE	13	9.6%
PITTSBURG	5	9.6%
JASPER	4	9.5%
NEWARK	2	9.5%
PORT ARANSAS	2	9.5%
JONESTOWN	2	9.5%
CUMBY	2	9.5%
SUGAR LAND	20	9.5%
CARRIZO SPRINGS	3	9.4%
LIBERTY	4	9.3%
BOWIE	4	9.3%
BRAZORIA	7	9.2%
ROWLETT	18	9.2%
PROSPER	6	9.1%
KEMP	6	9.1%
LOCKHART	6	9.1%
PEARSALL	4	9.1%

City	Number of records with a new Class M	Match percent
SUGARLAND	3	9.1%
EUSTACE	3	9.1%
LAPORTE	2	9.1%
STINNETT	1	9.1%
TAHOKA	1	9.1%
ZAVALLA	1	9.1%
NEW ULM	1	9.1%
HENRIETTA	1	9.1%
CRYSTAL BEACH	1	9.1%
BRONSON	1	9.1%
MISSOURI CITY	21	9.1%
STEPHENVILLE	8	9.0%
KATY	75	8.8%
FRITCH	3	8.8%
CHINA SPRING	3	8.8%
FRISCO	32	8.7%
SANTA ROSA	2	8.7%
MALAKOFF	2	8.7%
GRAND SALINE	2	8.7%
BIG SANDY	2	8.7%
SPRINGTOWN	10	8.6%
PLEASANTON	5	8.6%
CLEBURNE	17	8.6%
LAGO VISTA	4	8.5%
BROWNSVILLE	33	8.4%
LINDALE	6	8.3%
ADDISON	5	8.3%
ALEDO	4	8.3%
KENNEDALE	3	8.3%
VALLEY VIEW	2	8.3%
WASKOM	2	8.3%
TROUP	2	8.3%
TROPHY CLUB	2	8.3%
GODLEY	2	8.3%
DALE	2	8.3%
TYE	1	8.3%
TAFT	1	8.3%

City	Number of records with a new Class M	Match percent
RENO	1	8.3%
POLLOK	1	8.3%
OLNEY	1	8.3%
JEWETT	1	8.3%
LOVELADY	1	8.3%
FREER	1	8.3%
GUNTER	1	8.3%
BELLMEAD	1	8.3%
LIVINGSTON	14	8.3%
HARKER HEIGHTS	12	8.2%
ROANOKE	6	8.2%
NEW CANEY	10	8.2%
WALLER	5	8.2%
SEALY	5	8.2%
MT PLEASANT	5	8.2%
MABANK	6	8.1%
IOWA PARK	3	8.1%
QUINLAN	8	8.1%
LIVE OAK	5	8.1%
HALLSVILLE	4	8.0%
MERKEL	2	8.0%
EARLY	2	8.0%
ALTON	2	8.0%
RICHMOND	27	7.9%
WEBSTER	6	7.9%
BRIDGEPORT	3	7.9%
DAYTON	10	7.9%
WILLIS	13	7.8%
PLANO	42	7.8%
KELLER	14	7.7%
JACKSBORO	1	7.7%
LAGUNA VISTA	1	7.7%
GRANITE SHOALS	1	7.7%
HARKER HTS	1	7.7%
HUDSON OAKS	1	7.7%
BOGATA	1	7.7%
AVINGER	1	7.7%

City	Number of records with a new Class M	Match percent
ANNA	6	7.6%
ALLEN	15	7.6%
ROUND ROCK	36	7.6%
WICHITA FALLS	27	7.4%
ROBSTOWN	4	7.4%
INGLESIDE	4	7.4%
KOUNTZE	2	7.4%
FERRIS	2	7.4%
CUERO	2	7.4%
ADKINS	2	7.4%
SEABROOK	6	7.3%
ROCKWALL	12	7.3%
SOUTHLAKE	5	7.3%
HIGHLANDS	5	7.3%
THE COLONY	11	7.2%
SPRING	64	7.2%
VERNON	3	7.1%
LOS FRESNOS	3	7.1%
PIPE CREEK	2	7.1%
POST	1	7.1%
MARLIN	1	7.1%
HEARTLAND	1	7.1%
DANBURY	1	7.1%
ELDORADO	1	7.1%
EL PASO	237	7.1%
DICKINSON	11	7.1%
AUSTIN	234	7.1%
PEARLAND	26	7.0%
SOMERVILLE	3	7.0%
EL CAMPO	3	7.0%
COLDSRING	3	7.0%
CANYON	5	6.9%
LA VERNIA	4	6.9%
BALCH SPRINGS	4	6.9%
FARMERSVILLE	2	6.9%
WYLIE	12	6.9%
PLAINVIEW	5	6.9%

City	Number of records with a new Class M	Match percent
SAGINAW	6	6.8%
WHITEHOUSE	3	6.8%
PILOT POINT	3	6.8%
TOMBALL	20	6.8%
SCHERTZ	8	6.8%
LA PORTE	11	6.8%
GRAPEVINE	11	6.8%
MIDLOTHIAN	10	6.7%
NACOGDOCHES	10	6.7%
DRIPPING SPRINGS	4	6.7%
SHEPHERD	2	6.7%
TEAGUE	1	6.7%
SUMNER	1	6.7%
SHINER	1	6.7%
OAK POINT	1	6.7%
GOLDTHWAITE	1	6.7%
HASKELL	1	6.7%
EDGEWOOD	1	6.7%
CHICO	1	6.7%
ARP	1	6.7%
AXTELL	1	6.7%
ALBANY	1	6.7%
ALVIN	13	6.6%
MCKINNEY	30	6.6%
SAN BENITO	6	6.6%
GROVES	6	6.6%
KILLEEN	55	6.6%
HASLET	5	6.6%
DENTON	28	6.6%
N RICHLAND HILLS	12	6.5%
MINEOLA	3	6.5%
TAYLOR	5	6.5%
LA GRANGE	2	6.5%
LITTLEFIELD	2	6.5%
LEWISVILLE	21	6.4%
KILGORE	7	6.4%
FARMERS BRANCH	5	6.4%

City	Number of records with a new Class M	Match percent
CROSBY	9	6.4%
WINNSBORO	3	6.4%
CONROE	37	6.4%
ORANGE	10	6.3%
BRENHAM	5	6.3%
WAXAHACHIE	13	6.3%
WEST COLUMBIA	2	6.3%
MCGREGOR	2	6.3%
GLEN ROSE	2	6.3%
CLINT	2	6.3%
YORKTOWN	1	6.3%
VAN VLECK	1	6.3%
RIO VISTA	1	6.3%
LAKE WORTH	1	6.3%
LULING	1	6.3%
HOWE	1	6.3%
COLLINSVILLE	1	6.3%
BALLINGER	1	6.3%
GEORGETOWN	19	6.2%
FLOWER MOUND	10	6.1%
LONGVIEW	22	6.1%
MARBLE FALLS	3	6.1%
BURNET	3	6.1%
BURKBURNETT	3	6.1%
BACLIFF	5	6.1%
LEAGUE CITY	19	6.1%
GATESVILLE	4	6.1%
GRANDVIEW	2	6.1%
KAUFMAN	5	6.0%
ENNIS	5	6.0%
HURST	9	6.0%
VENUS	3	6.0%
SNYDER	3	6.0%
BURLESON	15	5.9%
LAKE JACKSON	6	5.9%
POTTSBORO	3	5.9%
PERRYTON	2	5.9%

City	Number of records with a new Class M	Match percent
YANTIS	1	5.9%
PALACIOS	1	5.9%
LONE OAK	1	5.9%
HICO	1	5.9%
FAIR OAKS RANCH	1	5.9%
ELM MOTT	1	5.9%
BEDIAS	1	5.9%
KINGWOOD	10	5.9%
MISSION	17	5.8%
CARROLLTON	16	5.8%
MANOR	4	5.7%
SAN ANTONIO	256	5.7%
DESOTO	8	5.7%
MANSFIELD	13	5.7%
TEMPLE	14	5.6%
HOUSTON	345	5.6%
QUITMAN	2	5.6%
POTEET	2	5.6%
TOOL	1	5.6%
PRESIDIO	1	5.6%
BLOSSOM	1	5.6%
BUFFALO	1	5.6%
ALVARADO	7	5.5%
CROWLEY	6	5.5%
GRANBURY	13	5.4%
HONDO	2	5.4%
KINGSVILLE	5	5.4%
DEL RIO	8	5.3%
COPPELL	5	5.3%
GRAND PRAIRIE	26	5.3%
HELOTES	3	5.3%
ALAMO	3	5.3%
LAKEWAY	2	5.3%
DEVINE	2	5.3%
RICHWOOD	1	5.3%
MANCHACA	1	5.3%
LLANO	1	5.3%

City	Number of records with a new Class M	Match percent
GEORGE WEST	1	5.3%
FAIRFIELD	1	5.3%
COMANCHE	1	5.3%
CORPUS CHRISTI	50	5.2%
BUDA	6	5.2%
MAGNOLIA	16	5.2%
TYLER	24	5.2%
CEDAR PARK	10	5.2%
DEER PARK	7	5.1%
PHARR	6	5.1%
JUSTIN	3	5.1%
LEANDER	9	5.1%
TEXAS CITY	11	5.0%
LITTLE ELM	8	5.0%
ELMENDORF	2	5.0%
WEST	1	5.0%
RAYMONDVILLE	1	5.0%
SAN DIEGO	1	5.0%
PALMVIEW	1	5.0%
PALMER	1	5.0%
KEENE	1	5.0%
ELSA	1	5.0%
MIDLAND	37	5.0%
ABILENE	24	5.0%
FRIENDSWOOD	8	4.9%
PAMPA	4	4.9%
HUTTO	5	4.9%
CEDAR HILL	6	4.9%
SWEETWATER	2	4.9%
LAMPASAS	2	4.9%
PFLUGERVILLE	13	4.9%
HEWITT	3	4.8%
DENISON	10	4.8%
DUNCANVILLE	4	4.8%
MESQUITE	16	4.8%
GARLAND	27	4.8%
PRINCETON	5	4.8%

City	Number of records with a new Class M	Match percent
WHITESBORO	2	4.8%
SAN ELIZARIO	2	4.8%
DUMAS	2	4.8%
SLATON	1	4.8%
LAKEHILLS	1	4.8%
GOLIAD	1	4.8%
GONZALES	1	4.8%
NEW BRAUNFELS	20	4.7%
SOUTH HOUSTON	2	4.7%
CANUTILLO	2	4.7%
ATLANTA	2	4.7%
AZLE	9	4.6%
EDINBURG	12	4.6%
CLEVELAND	8	4.6%
SAN JUAN	3	4.6%
FORT WORTH	95	4.6%
MELISSA	2	4.6%
NAVASOTA	2	4.6%
GRAHAM	2	4.6%
BOYD	2	4.6%
PONDER	1	4.6%
LEONARD	1	4.6%
HORSESHOE BAY	1	4.6%
FT WORTH	20	4.5%
AMARILLO	44	4.5%
EULESS	9	4.5%
KERRVILLE	8	4.5%
GAINESVILLE	4	4.5%
BONHAM	3	4.5%
COLLEGE STATION	15	4.5%
HITCHCOCK	2	4.4%
CELINA	2	4.4%
GREENVILLE	6	4.4%
ODESSA	37	4.4%
LUBBOCK	37	4.4%
HENDERSON	4	4.4%
SEGUIN	6	4.4%

City	Number of records with a new Class M	Match percent
HALTOM CITY	7	4.4%
JOSHUA	5	4.4%
LAVON	1	4.4%
DALLAS	112	4.3%
ANDREWS	4	4.3%
ARLINGTON	44	4.3%
ATHENS	3	4.3%
LUFKIN	7	4.2%
IRVING	22	4.2%
CLUTE	2	4.2%
RIVER OAKS	1	4.2%
ORANGE GROVE	1	4.2%
COTULLA	1	4.2%
DUBLIN	1	4.2%
WEATHERFORD	13	4.2%
RICHARDSON	8	4.2%
SAN MARCOS	9	4.1%
ROSHARON	4	4.1%
ANGLETON	5	4.0%
RHOME	2	4.0%
PORT NECHES	2	4.0%
HEREFORD	2	4.0%
DEL VALLE	2	4.0%
LAMARQUE	1	4.0%
CRYSTAL CITY	1	4.0%
DEKALB	1	4.0%
CAMERON	1	4.0%
ATASCOSA	1	4.0%
GALVESTON	10	4.0%
BRYAN	12	3.9%
TERRELL	6	3.9%
PARIS	6	3.9%
LORENA	2	3.9%
DALHART	2	3.9%
SAN ANGELO	15	3.9%
PORTER	5	3.9%
VICTORIA	11	3.9%

City	Number of records with a new Class M	Match percent
ARGYLE	2	3.9%
NEDERLAND	4	3.7%
GILMER	4	3.7%
MARION	1	3.7%
SHERMAN	8	3.7%
WATAUGA	3	3.7%
EAGLE PASS	5	3.6%
HUNTSVILLE	6	3.6%
SANTA FE	5	3.6%
STAFFORD	2	3.6%
ZAPATA	1	3.6%
ROCKDALE	1	3.6%
INGRAM	1	3.6%
SANGER	2	3.5%
SEAGOVILLE	2	3.5%
HUFFMAN	2	3.5%
WACO	14	3.5%
CHANNELVIEW	3	3.5%
COMMERCE	1	3.5%
BEDFORD	6	3.4%
WESLACO	4	3.4%
FRESNO	2	3.4%
PASADENA	14	3.4%
WOODWAY	1	3.3%
SOUTH PADRE ISLAND	1	3.3%
MATHIS	1	3.3%
ANAHUAC	1	3.3%
HUMBLE	15	3.2%
HUNTINGTON	1	3.2%
CORP CHRISTI	1	3.2%
CENTER	1	3.2%
CROCKETT	1	3.2%
BROWNWOOD	3	3.2%
WHITE SETTLEMENT	1	3.1%
MEXIA	1	3.1%
LAREDO	22	3.1%
BANDERA	2	3.1%

City	Number of records with a new Class M	Match percent
BAYTOWN	11	3.1%
ROBINSON	1	3.0%
KIRBYVILLE	1	3.0%
BEEVILLE	2	2.9%
WOODVILLE	1	2.9%
FLORESVILLE	2	2.9%
PORT ISABEL	1	2.9%
BROWNFIELD	1	2.9%
RIO GRANDE CITY	2	2.8%
DONNA	2	2.8%
GLADEWATER	2	2.8%
BEAUMONT	10	2.7%
NEW WAVERLY	1	2.7%
BROOKSHIRE	1	2.6%
SWEENY	1	2.6%
LA MARQUE	2	2.5%
TEXARKANA	4	2.5%
SULPHUR SPRINGS	1	2.4%
EMORY	1	2.4%
MCALLEN	8	2.4%
PORT ARTHUR	3	2.3%
DECATUR	2	2.3%
NEW BOSTON	1	2.3%
MINERAL WELLS	2	2.2%
WHARTON	1	2.2%
ONALASKA	1	2.2%
PECOS	1	2.2%
BRIDGE CITY	1	2.2%
KINGSLAND	1	2.1%
MARSHALL	2	2.0%
MONAHANS	1	2.0%
CORSICANA	2	2.0%
LAKE DALLAS	1	2.0%
GUN BARREL CITY	1	2.0%
BIG SPRING	3	1.9%
LANCASTER	2	1.9%
LIBERTY HILL	1	1.9%

City	Number of records with a new Class M	Match percent
PORT LAVACA	1	1.9%
KEMAH	1	1.8%
SOCORRO	1	1.8%
COLLEYVILLE	1	1.8%
BAY CITY	1	1.8%
FREEPORT	1	1.7%
VIDOR	2	1.6%
MERCEDES	1	1.5%
ALPINE	1	1.5%
BORGER	1	1.4%
ARANSAS PASS	1	1.4%
ALICE	1	1.3%
LUMBERTON	1	1.2%
UVALDE	1	1.1%
ROCKPORT	1	0.9%

Note: Cities with a 0% match percentage not shown.