

DBE GOAL METHODOLOGY
49 CFR PART 26
RICK HUSBAND AMARILLO INTERNATIONAL AIRPORT
AMARILLO, TEXAS
FISCAL YEAR 2021-2023

FY 2021

A. UPDATE OF GOALS - To make the program as useful as possible to the public, the City of Amarillo, Amarillo, Texas (Sponsor) will update the "amount," "method," and "breakout" portions of this section of the program annually or as required. The following sections will be submitted to the FAA every year, or as required, for approval: Amount of Overall goal section, Method used for establishing overall goals, Process, the Race-neutral/Race conscious breakout, and Contract goals. The material on overall goals in the DBE program will be a shorter summary of the material submitted annually, or as required in the overall goal submission.

B. AMOUNT OF GOAL - The Sponsor's overall goal for FY 2021 is 5.39%, of the Federal financial assistance we will expend in FAA-assisted contracts. We expect a FAA grant for \$1,142,190.00 in FY 2021 in the amount of approximately \$1,142,190.00; this means that our DBE goal is set at \$61,564.00. This overall goal is intended for information of public users of the program, and does not imply that the FAA, as such, has approved the goal.

C. METHOD - STEP 1: In the development of the DBE goal for the Rick Husband Amarillo International Airport, the first step was to establish the availability of ready, willing and able DBE businesses that were capable of participating in the types of contracts that were programmed during FY 2021. The project that is anticipated includes Pavement Condition Index/Pavement Management Plan Update, Snow Removal Equipment Building Roof work, Rosenwald and Batson Road Reconstruction, Runway 31 REIL Replacement, Design and Construction, and DBE Plan Update, along with the professional fees associated with such projects. The monetary size of the project is estimated at \$1,142,190.00. An analysis of the project indicates that funds will be expended in the following areas.

RICK HUSBAND AMARILLO INTERNATIONAL AIRPORT			
PROJECT ANALYSIS			
FY 2021			
TASK	NAICS	AMOUNT	PERCENTAGE
General Contractor	236220	\$120,690	10.56%
Roofing	238160	\$270,000	23.64%
Electrical	238210	\$157,500	13.79%
Plumber	238220	\$67,500	5.91%
Painting	238320	\$45,000	3.94%
Engineering	541330	\$481,500	42.16%
TOTAL		\$1,142,190.00	100.00%

The weighting factor is the value of each work item based on cost as a fraction of the whole project.

The formula to be used to calculate the Base Figure for the DBE goal is as follows:

$$\frac{\text{Total DBE Firms in Counties listed by NAICS Code of Work to be Performed}}{\text{Total Firms in the Counties listed by NAICS Code of Work to be Performed}} \times 100 = \text{Base Figure}$$

Past experience indicated that recent bidders from previous projects have come from the counties of Armstrong, Carson, Dallas, Deaf Smith, Denton, Hartley, Hutchinson, Lubbock, Moore, Old Ham, Potter, Randall, Rock Wall and Tarrant located in Texas. It is considered reasonable to establish the market area for the development of the Base Figure as the above listed counties which includes the county the airport is located in as well as the surrounding counties. A search was initiated for a Directory that would identify firms to accomplish these tasks. It was agreed that the most comprehensive directory for DBE firms in Texas was the Texas Unified Certification Program (TUCP) DBE Directory that has been established by the Texas Department of Transportation. This directory contains DBE firms that have been certified in accordance with the requirements for 49 CFR Part 26. The list was refined by identifying those firms that could participate in the project by matching the specific trade and description of construction/professional effort with their appropriate NAICS in each of the market area counties. The resulting number will be used as the numerator in determining the Base Figure.

The next step in establishing the Base Figure was to determine our denominator. This was accomplished through the use of the Census Bureau’s County Business Pattern (CBCBP) and the identification of the NAICSs that were the same as those identified from the Directory. With these figures in hand we compute our Base Figure using the following mathematics:

$$\frac{\text{Base Figure}}{\text{Base Figure}} = .1056 \left(\frac{\text{TXNAICS236220}}{\text{NAICS236220}} \right) + .2364 \left(\frac{\text{TXNAICS238160}}{\text{NAICS238160}} \right) + .1379 \left(\frac{\text{TXNAICS238210}}{\text{NAICS238210}} \right) + .0591 \left(\frac{\text{TXNAICS238220}}{\text{NAICS238220}} \right) + .0394 \left(\frac{\text{TXNAICS238320}}{\text{NAICS238320}} \right) + .4216 \left(\frac{\text{TXNAICS541330}}{\text{NAICS541330}} \right)$$

TXNAICS- Texas UCP DBE Directory NAICS
 NAICS–Census Bureau’s County Business Pattern (CBCBP) Data Base

$$\frac{\text{Base Figure}}{\text{Base Figure}} = .1056 \left(\frac{137}{844} \right) + .2364 \left(\frac{11}{520} \right) + .1379 \left(\frac{46}{1198} \right) + .0591 \left(\frac{22}{1688} \right) + .0394 \left(\frac{20}{387} \right) + .4216 \left(\frac{131}{1072} \right)$$

$$\frac{\text{Base Figure}}{\text{Base Figure}} = .0171 + .0050 + .0053 + .0008 + .0020 + .0515$$

$$\frac{\text{Base}}{\text{Figure}} = 8.17\%$$

STEP 2: With the Base Figure established our next step was to more finely tailor this figure to reflect conditions which have occurred at the Rick Husband Amarillo International Airport. The City of Amarillo has considered the suggested options outlined in 49 CFR Part 26 and determined that past performance is the data to be utilized to determine if an adjustment to our Base Figure is warranted. To this end we investigated past projects at the Rick Husband Amarillo International Airport. Below is a listing of historical data from the Rick Husband Amarillo International Airport.

PAST HISTORY PARTICIPATION

PREVIOUS DBE ACCOMPLISHMENTS		
	LOCATION	% OF DBE PARTICIPATION
2017	AMA	17.49%
2016	AMA	0.00%
2015	AMA	2.60%*
*Median		

It was determined that the median would be most appropriate for adjusting the Base Figure. The Median is 2.60% and it was felt that no further comparison was needed. Thus the Median would be used to adjust the Base Figure.

A summary of this analysis yields the following:

MEDIAN PERCENTAGE	2.60%
BASE FIGURE	+ <u>8.17%</u>
	10.77% ÷ 2 = 5.39%

Satisfied that this percentage was valid, the final step in the comparison was the development of a simple average to establish a final percentage and thus, the DBE Goal for FY 2021. The Base Figure and the Median Percentage yielded an average of 5.39%, which is established as the goal for DBE participation at the Rick Husband Amarillo International Airport for FY 2021.

D. PROCESS - The Sponsor submitted its overall goal to the FAA September 2020 for their consideration and approval. Before establishing the overall goal each year, the Sponsor has consulted with the Texas Department of Transportation, and other available minorities, women and general contractor groups to obtain information concerning the availability of disadvantaged and non-disadvantaged businesses, and the effects of discrimination on opportunities for DBEs. The Sponsor’s efforts are to establish a level playing field for the participation of DBEs. Following this consultation, the Sponsor has published a notice of the proposed overall goal, on the City of Amarillo website, informing the public that the proposed goal and its rationale are available for inspection during normal business hours at the office of the Rick Husband Amarillo International Airport Manager, Amarillo, Texas and informing the public that the Sponsor and FAA will accept comments on the goals. Normally, the Sponsor will issue this notice by June 1 of each year. The notice will include the Sponsor’s address to which comments may be sent. The

overall goal submission to the DOT will include a summary of information and comments received during this public participation process and the Sponsor’s responses.

We will begin using our overall goal on October 1 of each year, unless we have received other instructions from DOT (or if the goal is established on a project basis, by the time of the first solicitation for a DOT-assisted contract for the project). Consultation discussions were held via teleconference and webex on September 4, 2020 at 10:0 am with the following stakeholders with no comments received.

RICK HUSBAND AMARILLO INTERNATIONAL AIRPORT AGENCIES CONSULTED WITH	
Agency/Organization	Discussion/Information
Rick Husband Amarillo International Airport Mr. Tyler Hurst, Deputy Director	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
RS&H, Inc. Mr. Clayton Singleton, PE	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
Rick Husband Amarillo International Airport Kiley Navarrete, Airport Office Manager	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
Taffy Pippin Consulting, LLC Mr. Clayton Pippin, Planner	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
Taffy Pippin Consulting, LLC Ms. Taffy Pippin, Consultant	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
Access Fire & Security Daniel Morris	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
J. Lee Milligan Inc. Michael Bontrager	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
Convergent Technologies Tiffany Schuler	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts

Public comments have been requested for the FY 2021 goal and the 30 day comment period is underway. Any comments received from the public advertisement or the other coordination will be evaluated and necessary changes will be made to the goal and included in the contract documents for the project.

E. RACE-CONSCIOUS AND RACE-NEUTRAL GOALS - Each time the Sponsor submits an overall goal for review by the FAA, the Sponsor will also submit a projection of the portion of the goal that is expected to be met through race-neutral means and the basis for that projection. This projection is subject to approval by the FAA, in conjunction with its review of the Sponsor’s overall goal. The Sponsor will establish contract goals to meet any portion of an overall goal when the Sponsor does not project being able to meet the goal using race-neutral means.

We estimate that, in meeting our overall goal of 5.39%, that 4.79% of the goal will be attained from race-conscious participation and 0.60% via race-neutral participation measures. This is an attainable goal based on the history of DBE participation in prior projects and the availability of current DBE contractors.

This breakout was established by computing the median of the variance of the level of DBE participation vs. DBE goal on the three projects considered in Step 2 (see page 3) of the overall goal participation computation. The following is the level of variance in each of the projects.

PROJECT DBE GOAL VARIANCE RICK HUSBAND AMARILLO INTERNATIONAL AIRPORT PREVIOUS FAA PROJECTS				
YEAR	LOCATION	DBE GOAL	% OF DBE PARTICIPATION	VARIANCE
2017	AMA	4.25%	17.49%	13.24%
2016	AMA	2.00%	0.00%	-2.00%
2015	AMA	2.00%	2.60%	0.60%*
* MEDIAN VARIANCE				

F. CONTRACT GOALS: The Sponsor will use contract goals to meet any portion of the overall goal that is not projected to be met using race-neutral means. Contract goals are established so that, over the period to which the overall goal applies, they will cumulatively result in meeting any portion of our overall goal that is not projected to be met through the use of race-neutral means.

The Sponsor will establish contract goals only on those DOT-assisted contracts that have subcontracting possibilities. The City of Amarillo need not establish a contract goal on every such contract, and the size of contract goals will be adapted to the circumstances of each such contract (e.g., type and location of work, availability of DBEs to perform the particular type of work). Sponsor will express the contract goals as a percentage of the total amount of a DOT-assisted contract.

G. THREE YEAR GOAL: The computation for the three year goal period is shown below. Should there be a significant change in any project, the goal will be revised and submitted for consideration and approval.

2021 - 5.39%
 2022 - 9.82%
 2023 - 8.25%
 23.46% ÷ 3 = 7.82%

References:

Texas Department of Transportation / List of Certified DBE Firms, July, 2020
2018 – Census Bureau August 2020

FY 2022

A. UPDATE OF GOALS - To make the program as useful as possible to the public, the City of Amarillo, Amarillo, Texas (Sponsor) will update the "amount," "method," and "breakout" portions of this section of the program annually or as required. The following sections will be submitted to the FAA every year, or as required, for approval: Amount of Overall goal section, Method used for establishing overall goals, Process, the Race-neutral/Race conscious breakout, and Contract goals. The material on overall goals in the DBE program will be a shorter summary of the material submitted annually, or as required in the overall goal submission.

B. AMOUNT OF GOAL - The Sponsor’s overall goal for FY 2022 is 9.82%, of the Federal financial assistance we will expend in FAA-assisted contracts. We expected a FAA grant for FY 2022 in the amount of approximately \$6,502,399.00, this means our DBE goal is set at \$638,536.00. This overall goal is intended for information of public users of the program, and does not imply that the FAA, as such, has approved the goal.

C. METHOD - STEP 1: In the development of the DBE goal for the Rick Husband Amarillo International Airport, the first step was to establish the availability of ready, willing and able DBE businesses that were capable of participating in the types of contracts that were programmed during FY 2022. The project that is anticipated includes Replace ARFF Ring down System, AE and Design, Conduct Environmental Assessment for Aviation Facility Expansion, ARFF Simulator-Design Only, Perimeter Fence-Environmental, Perimeter Road-Environmental, Rosewald and Batson Road Reconstruction, Snow Removal Brooms-Environmental, along with the professional fees associated with such a project. The monetary size of the project is estimated at \$6,502,399.00. An analysis of the project indicates that funds will be expended in the following areas.

RICK HUSBAND AMARILLO INTERNATIONAL AIRPORT PROJECT ANALYSIS FY 2022			
TASK	NAICS	AMOUNT	PERCENTAGE
General Contractor	236220	\$847,125	13.03%
Drainage	237110	\$450,000	6.92%
Street & Highway	237310	\$3,420,000	52.59%
Electrical	238210	\$450,000	6.92%
Hauling	484220	\$180,000	2.77%
Engineering	541330	\$367,999	5.66%
Environmental Engineering	541620	\$486,900	7.49%
Landscaping	561730	\$300,375	4.62%
TOTAL		\$6,502,399.00	100.00%

The weighting factor is the value of each work item based on cost as a fraction of the whole project.

The formula to be used to calculate the Base Figure for the DBE goal is as follows:

$$\frac{\text{Total DBE Firms in Counties listed by NAICS Code of Work to be Performed}}{\text{Total Firms in the Counties listed by NAICS Code of Work to be Performed}} \times 100 = \text{Base Figure}$$

Past experience indicated that recent bidders from previous projects have come from the Counties of Armstrong, Carson, Dallas, Deaf Smith, Denton, Hartley, Hutchinson, Lubbock, Moore, Old Ham, Potter, Randall, Rock Wall and Tarrant located in Texas. It is considered reasonable to establish the market area for the development of the Base Figure as the above listed counties which includes the county the airport is located in as well as the surrounding counties. A search was initiated for a Directory that would identify firms to accomplish these tasks. It was agreed that the most comprehensive directory for DBE firms in Texas was the Texas Unified Certification Program (TUCP) DBE Directory that has been established by the Texas Department of Transportation. This directory contains DBE firms that have been certified in accordance with the requirements for 49 CFR Part 26. The list was refined by identifying those firms that could participate in the project by matching the specific trade and description of construction/professional effort with their appropriate NAICS in each of the market area counties. The resulting number will be used as the numerator in determining the Base Figure.

The next step in establishing the Base Figure was to determine our denominator. This was accomplished through the use of the Census Bureau’s County Business Pattern (CBCBP) and the identification of the NAICSs that were the same as those identified from the Directory. With these figures in hand we compute our Base Figure using the following mathematics:

$$\frac{Base}{Figure} = .1303 \left(\frac{TXNAICS236220}{NAICS236220} \right) + .0692 \left(\frac{TXNAICS237110}{NAICS237110} \right) + .5259 \left(\frac{TXNAICS237310}{NAICS237310} \right) + .0692 \left(\frac{TXNAICS238210}{NAICS238210} \right) + .0277 \left(\frac{TXNAICS484220}{NAICS484220} \right) + .0566 \left(\frac{TXNAICS541330}{NAICS541330} \right) + .0749 \left(\frac{TXNAICS541620}{NAICS541620} \right) + .0462 \left(\frac{TXNAICS561730}{NAICS561730} \right)$$

TXNAICS- Texas UCP DBE Directory NAICS
 NAICS–Census Bureau’s County Business Pattern (CBCBP) Data Base

$$\frac{Base}{Figure} = .1303 \left(\frac{137}{844} \right) + .0692 \left(\frac{35}{189} \right) + .5259 \left(\frac{28}{161} \right) + .0692 \left(\frac{46}{1198} \right) + .0277 \left(\frac{132}{296} \right) + .0566 \left(\frac{131}{1072} \right) + .0749 \left(\frac{35}{124} \right) + .0462 \left(\frac{46}{1241} \right)$$

$$\frac{Base}{Figure} = .0212 + .0128 + .0915 + .0027 + .0124 + .0069 + .0211 + .0017$$

$$\frac{\text{Base}}{\text{Figure}} = 17.03\%$$

STEP 2: With the Base Figure established our next step was to more finely tailor this figure to reflect conditions which have occurred at the Rick Husband Amarillo International Airport. The City of Amarillo has considered the suggested options outlined in 49 CFR Part 26 and determined that past performance is the data to be utilized to determine if an adjustment to our Base Figure is warranted. To this end we investigated past projects at the Rick Husband Amarillo International Airport. Below is a listing of historical data from the Rick Husband Amarillo International Airport.

Past History Participation

PREVIOUS FAA PROJECTS		
	LOCATION	% OF DBE PARTICIPATION
2017	AMA	17.49%
2016	AMA	0.00%
2015	AMA	2.60%*
*Median		

It was determined that the median would be most appropriate for adjusting the Base Figure. The Median is 2.60% and it was felt that no further comparison was needed. Thus the Median would be used to adjust the Base Figure.

A summary of this analysis yields the following:

MEDIAN PERCENTAGE	2.60%
BASE FIGURE	+ <u>17.03%</u>
	19.63% ÷ 2 = 9.82%

Satisfied that this percentage was valid, the final step in the comparison was the development of a simple average to establish a final percentage and thus, the DBE Goal for FY 2022. The Base Figure and the Median Percentage yielded an average of 9.82%, which is established as the goal for DBE participation at the Rick Husband Amarillo International Airport for FY 2022.

D. PROCESS - The Sponsor submitted its overall goal to the FAA September, 2020 for their consideration and approval. Before establishing the overall goal each year, the Sponsor has consulted with the Texas Department of Transportation, and other available minorities, women and general contractor groups to obtain information concerning the availability of disadvantaged and non-disadvantaged businesses, and the effects of discrimination on opportunities for DBEs. The Sponsor’s efforts are to establish a level playing field for the participation of DBEs. Following this consultation, the Sponsor has published a notice of the proposed overall goal, on the City of Amarillo website, and the FAA website informing the public that the proposed goal and its rationale are available for inspection during normal business hours at the office of the Rick Husband Amarillo International Airport Manager, Amarillo, Texas and informing the public that the Sponsor and FAA will accept comments on the goals. Normally, the Sponsor will issue this notice by June 1 of each year. The notice will include the Sponsor’s address to which

comments may be sent. The overall goal submission to the DOT will include a summary of information and comments received during this public participation process and the Sponsor’s responses.

We will begin using our overall goal on October 1 of each year, unless we have received other instructions from DOT (or if the goal is established on a project basis, by the time of the first solicitation for a DOT-assisted contract for the project).). Consultation discussions were held via teleconference and webex on September 4, 2020 at 10:0 am with the following stakeholders with no comments received.

RICK HUSBAND AMARILLO INTERNATIONAL AIRPORT AGENCIES CONSULTED WITH	
Agency/Organization	Discussion/Information
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RS&H, Inc. Mr. Clayton Singleton, PE	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
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Access Fire & Security Mr. Daniel Morris	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
J. Lee Milligan Inc. Mr. Michael Bontrager	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
Convergent Technologies Ms. Tiffany Schuler	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts

Public comments have been requested for the FY 2022 goal and the 30 day comment period is underway. Any comments received from the public advertisement or the other coordination will be evaluated and necessary changes will be made to the goal and included in the contract documents for the project.

E. RACE-CONSCIOUS AND RACE-NEUTRAL GOALS - Each time the Sponsor submits an overall goal for review by the FAA, the Sponsor will also submit a projection of the portion of the goal that is expected to be met through race-neutral means and the basis for that projection. This projection is subject to approval by the FAA, in conjunction with its review of the Sponsor’s overall goal. The Sponsor will establish contract goals to meet any portion of an overall goal when the Sponsor does not project being able to meet the goal using race-neutral means.

We estimate that, in meeting our overall goal of 9.82%, that 9.22% of the goal will be attained from race-conscious participation and 0.60% via race-neutral participation measures. This is an attainable goal based on the history of DBE participation in prior projects and the availability of current DBE contractors.

This breakout was established by computing the median of the variance of the level of DBE participation vs. DBE goal on the three years considered in Step 2 (see page 8) of the overall goal participation computation. The following is the level of variance in each of the projects.

PROJECT DBE GOAL VARIANCE RICK HUSBAND AMARILLO INTERNATIONAL AIRPORT PREVIOUS FAA PROJECTS				
YEAR	LOCATION	DBE GOAL	% OF DBE PARTICIPATION	VARIANCE
2017	AMA	4.25%	17.49%	13.24%
2016	AMA	2.00%	0.00%	-2.00%
2015	AMA	2.00%	2.60%	0.60%*
* MEDIAN VARIANCE				

F. CONTRACT GOALS: The Sponsor will use contract goals to meet any portion of the overall goal that is not projected to be met using race-neutral means. Contract goals are established so that, over the period to which the overall goal applies, they will cumulatively result in meeting any portion of our overall goal that is not projected to be met through the use of race-neutral means.

The Sponsor will establish contract goals only on those DOT-assisted contracts that have subcontracting possibilities. The City of Amarillo need not establish a contract goal on every such contract, and the size of contract goals will be adapted to the circumstances of each such contract (e.g., type and location of work, availability of DBEs to perform the particular type of work). Sponsor will express the contract goals as a percentage of the total amount of a DOT-assisted contract.

G. THREE YEAR GOAL: The computation for the three year goal period is shown below. Should there be a significant change in any project, the goal will be revised and submitted for consideration and approval.

2021 - 5.39%
 2022 - 9.82%
 2023 - 8.25%
 $23.46\% \div 3 = 7.82\%$

References:

Texas Department of Transportation / List of Certified DBE Firms, July, 2020
2018 – Census Bureau August 2020

FY 2023

A. UPDATE OF GOALS - To make the program as useful as possible to the public, the City of Amarillo, Amarillo, Texas (Sponsor) will update the "amount," "method," and "breakout" portions of this section of the program annually or as required. The following sections will be submitted to the FAA every year, or as required, for approval: Amount of Overall goal section, Method used for establishing overall goals, Process, the Race-neutral/Race conscious breakout, and Contract goals. The material on overall goals in the DBE program will be a shorter summary of the material submitted annually, or as required in the overall goal submission.

B. AMOUNT OF GOAL - The Sponsor’s overall goal for FY 2023 is 8.25%, of the Federal financial assistance we will expend in FAA-assisted contracts. We expected a FAA grant for FY 2023 in the amount of approximately \$658,499.00, this means our DBE goal is set at \$54,326.00. This overall goal is intended for information of public users of the program, and does not imply that the FAA, as such, has approved the goal.

C. METHOD - STEP 1: In the development of the DBE goal for the Rick Husband Amarillo International Airport, the first step was to establish the availability of ready, willing and able DBE businesses that were capable of participating in the types of contracts that were programmed during FY 2023. The project that is anticipated includes Passenger Boarding Bridge to Gate 1(the equipment is no included in the goal as there is no DBE opportunity), Taxiway PAPI and associated Shoulder Replacement-Design Only, ARFF Ring down System-Construction, ARFF Simulator-Construction (the ARFF Simulator is not included as this piece of equipment offers no DBE opportunity), along with the professional fees associated with such a project. The monetary size of the project is estimated at \$658,499.00. An analysis of the project indicates that funds will be expended in the following areas.

RICK HUSBAND AMARILLO INTERNATIONAL AIRPORT PROJECT ANALYSIS FY 2023			
TASK	NAICS	AMOUNT	PERCENTAGE
General Contractor	236220	\$442,499	67.20%
Electrical	238210	\$81,000	12.30%
Engineering	541330	\$135,000	20.50%
TOTAL		\$658,499.00	100.00%

The weighting factor is the value of each work item based on cost as a fraction of the whole project.

The formula to be used to calculate the Base Figure for the DBE goal is as follows:

$$\frac{\text{Total DBE Firms in Counties listed by NAICS Code of Work to be Performed}}{\text{Total Firms in the Counties listed by NAICS Code of Work to be Performed}} \times 100 = \text{Base Figure}$$

Past experience indicated that recent bidders from previous projects have come from the Counties of Armstrong, Carson, Dallas, Deaf Smith, Denton, Hartley, Hutchinson, Lubbock, Moore, Old Ham, Potter, Randall, Rock Wall and Tarrant located in Texas. It is considered reasonable to establish the market area for the development of the Base Figure as the above listed counties which includes the county the airport is located in as well as the surrounding counties. A search was initiated for a Directory that would identify firms to accomplish these tasks. It was

agreed that the most comprehensive directory for DBE firms in Texas was the Texas Unified Certification Program (TUCP) DBE Directory that has been established by the Texas Department of Transportation. This directory contains DBE firms that have been certified in accordance with the requirements for 49 CFR Part 26. The list was refined by identifying those firms that could participate in the project by matching the specific trade and description of construction/professional effort with their appropriate NAICS in each of the market area counties. The resulting number will be used as the numerator in determining the Base Figure.

The next step in establishing the Base Figure was to determine our denominator. This was accomplished through the use of the Census Bureau’s County Business Pattern (CBCBP) and the identification of the NAICSs that were the same as those identified from the Directory. With these figures in hand we compute our Base Figure using the following mathematics:

$$\frac{Base}{Figure} = .6720 \left(\frac{TXNAICS236220}{NAICS236220} \right) + .1230 \left(\frac{TXNAICS238210}{NAICS238210} \right) + .2050 \left(\frac{TXNAICS541330}{NAICS541330} \right)$$

TXNAICS- Texas UCP DBE Directory NAICS
 NAICS–Census Bureau’s County Business Pattern (CBCBP) Data Base

$$\frac{Base}{Figure} = .6720 \left(\frac{137}{844} \right) + .1230 \left(\frac{46}{1198} \right) + .2050 \left(\frac{131}{1072} \right)$$

$$\frac{Base}{Figure} = .1091 + .0047 + .0251$$

$$\frac{Base}{Figure} = 13.89\%$$

STEP 2: With the Base Figure established our next step was to more finely tailor this figure to reflect conditions which have occurred at the Rick Husband Amarillo International Airport. The City of Amarillo has considered the suggested options outlined in 49 CFR Part 26 and determined that past performance is the data to be utilized to determine if an adjustment to our Base Figure is warranted. To this end we investigated past projects at the Rick Husband Amarillo International Airport. Below is a listing of historical data from the Rick Husband Amarillo International Airport.

Past History Participation

PREVIOUS FAA PROJECTS		
	LOCATION	% OF DBE PARTICIPATION
2017	AMA	17.49%
2016	AMA	0.00%
2015	AMA	2.60%*
*Median		

It was determined that the median would be most appropriate for adjusting the Base Figure. The Median is 2.60% and it was felt that no further comparison was needed. Thus the Median would be used to adjust the Base Figure.

A summary of this analysis yields the following:

MEDIAN PERCENTAGE	2.60%
BASE FIGURE	+ <u>13.89%</u>
	16.49% ÷ 2 = 8.25%

Satisfied that this percentage was valid, the final step in the comparison was the development of a simple average to establish a final percentage and thus, the DBE Goal for FY 2023. The Base Figure and the Median Percentage yielded an average of 8.25%, which is established as the goal for DBE participation at the Rick Husband Amarillo International Airport for FY 2023.

D. PROCESS - The Sponsor submitted its overall goal to the FAA September, 2020 for their consideration and approval. Before establishing the overall goal each year, the Sponsor has consulted with the Texas Department of Transportation, and other available minorities, women and general contractor groups to obtain information concerning the availability of disadvantaged and non-disadvantaged businesses, and the effects of discrimination on opportunities for DBEs. The Sponsor’s efforts are to establish a level playing field for the participation of DBEs. Following this consultation, the Sponsor has published a notice of the proposed overall goal, on the City of Amarillo website, and the FAA website informing the public that the proposed goal and its rationale are available for inspection during normal business hours at the office of the Rick Husband Amarillo International Airport Manager, Amarillo, Texas and informing the public that the Sponsor and FAA will accept comments on the goals. Normally, the Sponsor will issue this notice by June 1 of each year. The notice will include the Sponsor’s address to which comments may be sent. The overall goal submission to the DOT will include a summary of information and comments received during this public participation process and the Sponsor’s responses.

We will begin using our overall goal on October 1 of each year, unless we have received other instructions from DOT (or if the goal is established on a project basis, by the time of the first solicitation for a DOT-assisted contract for the project).). Consultation discussions were held via teleconference and webex on September 4, 2020 at 10:0 am with the following stakeholders with no comments received.

RICK HUSBAND AMARILLO INTERNATIONAL AIRPORT AGENCIES CONSULTED WITH	
Agency/Organization	Discussion/Information
Rick Husband Amarillo International Airport Mr. Tyler Hurst, Deputy Director	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
RS&H, Inc. Mr. Clayton Singleton, PE	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
Rick Husband Amarillo International Airport Kiley Navarrete, Airport Office Manager	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts

Taffy Pippin Consulting, LLC Mr. Clayton Pippin, Planner	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
Taffy Pippin Consulting, LLC Ms. Taffy Pippin, Consultant	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
Access Fire & Security Mr. Daniel Morris	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
J. Lee Milligan Inc. Mr. Michael Bontrager	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts
Convergent Technologies Ms. Tiffany Schuler	Availabilities of DBEs, Directories, DBE Goals, Small and DBE opportunity, outreach, good efforts

Public comments have been requested for the FY 2023 goal and the 30 day comment period is underway. Any comments received from the public advertisement or the other coordination will be evaluated and necessary changes will be made to the goal and included in the contract documents for the project.

E. RACE-CONSCIOUS AND RACE-NEUTRAL GOALS - Each time the Sponsor submits an overall goal for review by the FAA, the Sponsor will also submit a projection of the portion of the goal that is expected to be met through race-neutral means and the basis for that projection. This projection is subject to approval by the FAA, in conjunction with its review of the Sponsor's overall goal. The Sponsor will establish contract goals to meet any portion of an overall goal when the Sponsor does not project being able to meet the goal using race-neutral means.

We estimate that, in meeting our overall goal of 8.25%, that 7.65% of the goal will be attained from race-conscious participation and 0.60% via race-neutral participation measures. This is an attainable goal based on the history of DBE participation in prior projects and the availability of current DBE contractors.

This breakout was established by computing the median of the variance of the level of DBE participation vs. DBE goal on the three years considered in Step 2 (see page 13) of the overall goal participation computation. The following is the level of variance in each of the projects.

PROJECT DBE GOAL VARIANCE RICK HUSBAND AMARILLO INTERNATIONAL AIRPORT PREVIOUS FAA PROJECTS				
YEAR	LOCATION	DBE GOAL	% OF DBE PARTICIPATION	VARIANCE
2017	AMA	4.25%	17.49%	13.24%
2016	AMA	2.00%	0.00%	-2.00%
2015	AMA	2.00%	2.60%	0.60%*
* MEDIAN VARIANCE				

F. CONTRACT GOALS: The Sponsor will use contract goals to meet any portion of the overall goal that is not projected to be met using race-neutral means. Contract goals are established so that, over the period to which the overall goal applies, they will cumulatively result in meeting any portion of our overall goal that is not projected to be met through the use of race-neutral means.

The Sponsor will establish contract goals only on those DOT-assisted contracts that have subcontracting possibilities. The City of Amarillo need not establish a contract goal on every such contract, and the size of contract goals will be adapted to the circumstances of each such contract (e.g., type and location of work, availability of DBEs to perform the particular type of work). Sponsor will express the contract goals as a percentage of the total amount of a DOT-assisted contract

G. **THREE YEAR GOAL:** The computation for the three year goal period is shown below. Should there be a significant change in any project, the goal will be revised and submitted for consideration and approval.

2021	-	5.39%
2022	-	9.82%
2023	-	<u>8.25%</u>
		$23.46\% \div 3 = 7.82\%$

References:

Texas Department of Transportation / List of Certified DBE Firms, July, 2020
2018 – Census Bureau August 2020