

Attachment 4

Section 26.45: Overall Goal Calculation for PSM

Amount of Goal

1. The PDA's overall goal for FY's 2022, 2023, and 2024 for PSM is the following: 1.27% of the Federal financial assistance we will expend in DOT-assisted contracts.

Methodology used to Calculate Overall Goal

Step 1 - Identify upcoming projects to be assisted with FAA funds during FY's 2022 through 2024:

<u>Fiscal Year</u>	<u>Project</u>	<u>Estimated Cost</u>	<u>DBE Part. Expected?</u>
2022	SRE – Blower/Rotary Plow/Spreader	\$1,135,000	No
2022	SRE Building Design	\$250,000	Yes
2022	Taxiway Alpha South Hold Bay – Phase 2 Construction	\$1,250,000	Yes
2023	SRE – MTE	\$900,000	No
2023	Liquid Deicing Truck	\$400,000	No
2023	SRE Building Construction	\$4,500,000	Yes
2024	SRE – Three MTE's	\$2,700,000	No
2024	Master Plan Update	\$200,000	No

Project Descriptions:

2022 Procure Snow Removal Equipment - Blower/Rotary Plow/Spreader: It is expected that our on-call airport engineering firm will be assigned this project for grant administration. In addition, it is typical that manufacturers of this equipment do not sub out work. As such, *no DBE participation is expected.*

2022 Snow Removal Equipment Building Design: It is expected that our on-call airport engineering firm will be assigned this project for building design and grant administration. Our consultant will subcontract with an architect for building design services. As such, *DBE participation is possible.*

2022 Taxiway Alpha South Hold Bay – Phase 2 Construction: This is a pavement/sitework project associated with Alpha South taxiway which will be bid. *DBE participation is expected.*

2023 Procure Snow Removal Equipment - MTE: It is expected that our on-call airport engineering firm will be assigned this project for grant administration. In addition, it is typical that manufacturers of this equipment do not sub out work. As such, *no DBE participation is expected.*

2023 Procure Liquid Deicing Truck: It is expected that our on-call airport engineering firm will be assigned this project for grant administration. In addition, it is typical that manufacturers of this equipment do not sub out work. As such, *no DBE participation is expected.*

2023 Snow Removal Equipment Building Construction: This is building construction project that will be bid. *DBE participation is expected.*

2024 Procure Snow Removal Equipment – Three MTE's: It is expected that our on-call airport engineering firm will be assigned this project for grant administration. In addition, it is typical that manufacturers of this equipment do not sub out work. As such, *no DBE participation is expected.*

2024 Master Plan Update: It is expected that our on-call airport planning firm, which has yet to be selected, will be assigned this project for planning and grant administration. There are no airport planning DBE's in our geographic area so no DBE participation is expected.

Step 2 - Determine the base figure for the relative availability of DBE's for each project expected to have DBE participation.

The base figure for the relative availability of DBE's was calculated as follows:

$$\text{Base figure} = \frac{\text{Ready, willing, and able DBE's}}{\text{All firms ready, willing and able}}$$

The number of ready willing and able DBE's for airport-related construction work was derived from the latest revisions of New Hampshire Department of Transportation's Certified DBE Directory, Maine DOT List of DBE Businesses, and Massachusetts DBE Directory. Two filters were then applied to the raw data. One was a geographic filter, for which it was estimated that the airport will draw the vast majority of its contractors from within a 40-mile radius about the airport. The second filter then examined which of the DBE's within the geographic base perform work that can be used on airport related construction contracts. The resulting number represents the numerator in the base goal calculation.

For determining the total number of construction-based businesses, the 2017 County Business Pattern database established by the U.S. Census Bureau was used. The two filters used in the numerator were also applied to this raw data. The geographic filter of a 40-mile radius was employed. The second filter examined the North American Industry Classification System (NAICS) codes to determine the number of contractors that perform airport related construction work. It is anticipated that the projects utilizing DBE participation identified above will use contractors from NAICS codes:

- 237 - Heavy and Civil Engineering Construction
- 23821 – Electrical Contracting
- 23891 – Landscape and Site Prep Contracting
- 541310 – Architectural Services

Adding the results for each NAICS code together represents the denominator in the base goal calculation.

NAICS Code 237 – Heavy & Civil Engineering

County	No. of heavy construction businesses ¹	Approx. % of county within 40-mile radius ²	No. of heavy construction businesses within 40-mile radius
Belknap	23	40%	9
Carroll	13	10%	1
Hillsborough	37	35%	13
Merrimack	34	45%	15
Rockingham	57	100%	57
Strafford	12	100%	12
Essex, MA	99	100%	99
Middlesex, MA	153	5%	8
York, ME	25	90%	23
		Total=	237

¹ Derived from US Census Bureau data, County Business Patterns NAICS Code 237, 2017.

²Heavy Construction businesses within 40 miles of Portsmouth International Airport were considered.

NAICS Code 23821 – Electrical Contractors

County	No. of Electrical Contractors ¹	Approx. % of county within 40-mile radius ²	No. of electrical contractors within 40-mile radius
Belknap	30	40%	12
Carroll	31	10%	3
Hillsborough	146	35%	51
Merrimack	60	45%	27
Rockingham	137	100%	137
Strafford	60	100%	60
Essex, MA	272	100%	272
Middlesex, MA	629	5%	31
York, ME	116	90%	104
		Total=	697

¹ Derived from US Census Bureau data, County Business Patterns NAICS Code 23821, 2017.

²Electrical Contracting businesses within 40 miles of Portsmouth International Airport were considered.

NAICS Code 23891 – Landscape & Site Prep Contractors

County	No. of Site / Landscape Contractors ¹	Approx. % of county within 40-mile radius ²	No. of landscape & site prep contractors within 40-mile radius
Belknap	17	40%	7
Carroll	32	10%	3
Hillsborough	81	35%	28
Merrimack	43	45%	19
Rockingham	99	100%	99
Strafford	20	100%	20
Essex, MA	90	100%	90
Middlesex, MA	206	5%	10
York, ME	79	90%	71
		Total=	347

¹ Derived from US Census Bureau data, County Business Patterns NAICS Code 23891, 2017.

²Landscape Contracting businesses within 40 miles of Portsmouth International Airport were considered.

NAICS Code 541310 – Architectural Services

County	No. of Site / Landscape Contractors ¹	Approx. % of county within 40-mile radius ²	No. of landscape & site prep contractors within 40-mile radius
Belknap	5	40%	2
Carroll	0	10%	0
Hillsborough	18	35%	6
Merrimack	5	45%	2
Rockingham	29	100%	29
Strafford	0	100%	0
Essex, MA	64	100%	64
Middlesex, MA	248	5%	12
York, ME	17	90%	15
		Total=	130

¹ Derived from US Census Bureau data, County Business Patterns NAICS Code 541310, 2017.

²Landscape Contracting businesses within 40 miles of Portsmouth International Airport were considered.

Number of Disadvantaged Business Enterprises (DBE's) available within 40-mile radius: 27

237 - Heavy and Civil Engineering Construction

Albanese Brothers, Inc. – Dracut, MA
Prime Group, Inc. – Tyngsboro, MA
Atlantic Bridge & Engineering, Inc. – Hampton, NH
DBU Construction, Inc. – Epsom, NH
NICOM Coatings Corporation – Barre, VT
Shoem Corporation – S. Berwick, ME
SUR Construction Services Corp. – Leominster, MA
ALCO Construction, Inc – Manchester, NH
Brookstone Builders, Inc – Manchester, NH
Williams Brothers Construction, Inc. – Saco, ME
Saugus Construction Corporation – Georgetown, MA
EDM Construction, Inc. – Merrimac, MA

23821 – Electrical Contracting

Carvalho Electric, LLC – Londonderry, NH
Evermore Light and Power, Inc. – Tewksbury, MA
Fiber Optic Splicing & Testing, Inc. – Wakefield, MA
LJ Electric, Inc. – North Andover, MA
Richardson Electrical Company, Inc. – Seabrook, NH
Ayer Electric, LLC – Durham, NH
ION Electrical, LLC – Bedford, NH
Radiant Electric, LLC – Raymond, NH

23891 – Landscape and Site Prep Contracting

Best Choice Abatement & Demolition, Inc. – Methuen, MA
Sir Lines-A-Lot, LLC – Madison, NH
Taibbi Equipment, Corp. – Wakefield, MA
Smartati Construction – Rochester, NH
J&S Concrete Pumping & Grouting, Inc. – Derry, NH
Herbs Disposal – York, ME

NAICS Code 541310 – Architectural Services

Fennick McCredie Architecture, LTD – Boston, MA

Sources: NHDOT DBE Directory, May 2021. Maine DOT DBE Directory, May 7, 2021.
MA DBE Directory, May 2021.

In 2022 there will be two projects assisted with FAA funds for which DBE participation is possible:

1. SRE Design – DBE participation is possible for architectural services.

$$\text{Base figure} = \frac{\text{Ready, willing, and able DBE's}}{\text{All firms ready, willing and able}} = \frac{1}{130} = 1.0\%$$

2. Alpha South Construction - DBE participation is possible for heavy civil construction, electrical, landscape and site prep services.

$$\text{Base figure} = \frac{\text{Ready, willing, and able DBE's}}{\text{All firms ready, willing and able}} = \frac{26}{1,281} = 2.0\%$$

Weighted average = (1.0% x \$250,000 + 2.0% x \$1,250,000) / \$1,500,000 = 1.8%

In 2023 there will be one project assisted with FAA funds for which DBE participation is possible:

1. SRE Construction

$$\text{Base figure} = \frac{\text{Ready, willing, and able DBE's}}{\text{All firms ready, willing and able}} = \frac{26}{1,281} = 2.0\%$$

In 2024 there will be no projects assisted with FAA funds for which DBE participation is possible.

Step 3 - What adjustment is needed to the base figure in order to arrive at the overall goal?

After calculating a base figure of the relative availability of DBE's, evidence was examined to determine what adjustment was needed to the base figure in order to arrive at the overall goal.

The contract items from Airport Improvement Program (AIP) projects of the last several years were examined to determine the dollar value of items which provide subcontracting opportunities to DBE firms which have historically participated in the AIP projects at the PDA. Typical items which have had DBE participation included crack sealing, landscaping, site prep, pavement markings, and electrical contracting. Stated as a percentage of the overall project cost, these items have represented approximately 1% to 2%, varying due to differences in the scope of work for the given projects.

Given the above information, the PDA's adjustment to the DBE goals established in Step 2 shall be 0.0%.

Step 4 – Average the three annual goals to determine triannual goal

DBE goals for fiscal years, 2022 through 2024 are as follows:

Year	Goal
2022	1.8%
2023	2.0%
2024	0.0%

Averaged together, the overall three year DBE Goal for Portsmouth International Airport for fiscal years, 2022 through 2024 is 1.27%. The PDA will meet the maximum feasible portion of its goal by using race-neutral means of facilitating DBE participation.

Public Participation

We published our goal information in the Union Leader and the Portsmouth Herald. No phone calls were received from DBE's.