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## **4.0 RELEVANT MARKET AREA, UTILIZATION, AND AVAILABILITY ANALYSES**

This chapter presents the results of our analysis of the Oregon Department of Transportation's (ODOT) procurement activity occurring between October 1, 1999, and September 30, 2007. In this chapter we define ODOT's jurisdiction and analyze the utilization of firms by ODOT in comparison to the availability of firms to do business with ODOT. The results of the analyses in this section ultimately determine whether minority, women, or nonminority businesses were underutilized or overutilized in the construction and construction-related professional services procurements.

### **4.0.1 Methodology**

This section presents the methodology for the collection of data and analysis of market areas, utilization, and availability of minority-, woman-, and nonminority-owned firms for this study. The descriptions of business categories and minority-owned business enterprise classifications are also presented, as are the procedures for determining the geographical market areas, utilization, and availability of firms.

### **4.0.2 Business Categories**

ODOT's relevant market area, its utilization of minority-owned firms, and the availability of minority-owned firms were analyzed for two business categories: construction and construction-related professional services. A description of each business category follows.

#### **Construction**

Construction refers to any construction-related services, including but not limited to:

- general building contractors engaged primarily in the construction of commercial buildings;
- heavy construction such as airport runways, bridges, sewers, and roadways;

- light maintenance construction services such as carpentry; electrical work; installation of carpeting; air-conditioning repair, maintenance, and installation; plumbing; and renovation; and
- other related services such as water-lining and maintenance, asbestos abatement, drainage, dredging, grading, hauling, landscaping (for large construction projects such as boulevards and highways), paving, roofing, and toxic waste clean up.

### **Construction-Related Professional Services**

This business category encompasses all services performed by a:

- state-licensed architect,
- professional engineer,
- firm owned by parties with such designations;
- financial firm,
- legal firm,
- medical firm,
- educational firm, or
- other professional services.

Certain purchases were excluded from analysis in this study. Examples include:

- administrative items such as utility payments, leases for real estate, insurance, and banking transactions;
- salary and fringe benefits, food, parking, and conference fees; and
- payments to government entities including nonprofit local organizations, state agencies, and federal agencies.

#### **4.0.3 Minority Classifications**

In this study, businesses classified as minority are firms at least 51 percent owned and controlled by members of one of five groups: African Americans, Hispanic Americans, Asian Americans, Native Americans, and nonminority women. These groups have been defined by the United States Census Bureau as follows:

- **African Americans:** U.S. citizens or lawfully admitted permanent residents having an origin in any of the black racial groups of Africa.
- **Hispanic Americans:** U.S. citizens or lawfully admitted permanent residents of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish or Portuguese cultures or origins regardless of race.

- **Asian Americans:** U.S. citizens or lawfully admitted permanent residents who originate from the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands.
- **Native Americans:** U.S. citizens or lawfully admitted permanent residents who originate from any of the original peoples of North America and who maintain cultural identification through tribal affiliation or community recognition.
- **Women:** U.S. citizens or lawfully admitted permanent residents who are non-Hispanic white females. Minority women are included in their respective minority category.

The minority determinations reflected in this report were based on the source data discussed below in **Section 4.0.4**. If the business owner classification was unclear in the source data, MGT of America, Inc., conducted additional research to determine the proper classification. This included requesting assistance from cognizant ODOT representatives to identify the proper business owner classification, as well as requesting names of all subcontractors, including their ethnicity and gender, utilized on projects on the verification survey forms. Firms that were identified in the source data as nonminorities and firms for which there was no indication of minority classification in the source data were considered to be nonminority-owned firms in the analysis conducted for this study.

#### **4.0.4 Collection and Management of Data**

Electronic procurement data were collected on site at ODOT by MGT for the eight year study period for both the Construction and Construction-Related Professional Services business categories.

#### **Contract and Subcontract Data Collection**

Using the electronic data provided by ODOT and the manual data collected by verification reports, MGT developed a master list of ODOT's procurement activity during the study period. The master list was comprised of databases obtained from ODOT's Civil Rights Office and stakeholders.

The following electronic files were provided by ODOT and stakeholders:

- State of Oregon Certified Vendors List 1999-2007
- PSK data 1999-2007
- ODOT Prime Contracts 1999-2007
- ODOT Prime Bids 1999-2007
- ODOT Sub Bids 1999-2007
- NAICS codes list 1999-2007
- Contract Vendors Information 1999-2007
- Subcontractor Vendor Information 1999-2007
- Project Bid Items 1999-2007
- Firm Primary Bid information 1999-2007
- ODOT DBE Goals and Percentages 1999-2007
- NAMCO vendor list – National Association of Minority Contracting Officials
- CSI Report – Associated General Contractors of Oregon

Data from the electronic files listed above were combined to create a master file of ODOT's procurement activity, as well as a master vendor list of available firms, for the study period. The electronic lists provided the following contract data that MGT used for analysis:

- the name of the firm awarded the contract;
- the award amount of the contract;
- the award date of the contract;
- a description of the contract from which the business category of the procurement could be derived; and
- the contract funding type.

Once collected and entered into the MGT database, the data were processed as follows:

- Exclusion of records not relevant to the study. Examples of procurement activity excluded from analysis include duplicate procurement records; contracts out of the time frame of the study; contracts awarded to nonprofits and government entities; and utility payments such as water, gas, and electricity.
- Identification of the county in which the vendor operated. To accomplish this, the ZIP Code of the vendor was matched against an MGT ZIP Code database of all United States counties.
- Identification of the prime contractor's business category.

The total dollars spent and the total number of procurement awards analyzed for the study period are shown below in **Exhibit 4-0**.

**EXHIBIT 4-0**  
**ODOT**  
**TOTAL OVERALL FEDERAL DOLLARS SPENT**  
**AND NUMBER OF ANALYZED AWARDS**  
**BY BUSINESS CATEGORY**  
**OCTOBER 1, 1999 THROUGH SEPTEMBER 30, 2007**

<b>Business Category</b>	<b>\$</b>	<b># of Awards</b>
Construction	\$1,944,794,314.98	721
Construction-Related Professional Services	\$1,247,589,507.20	3,064
<b>Total</b>	<b>\$3,192,383,822.18</b>	<b>3,785</b>

Source: Procurement activity compiled from ODOT data.

The ODOT Civil Rights Office does not track construction-related professional services subcontractor participation. However, in an attempt to retrieve this subcontractor award data, MGT sent out 2,743 verification reports to 99 prime consultants. Of these, 74 forms were returned completed and 14 were returned with bad addresses. A total of 41 firms responded to the verification report. Only 49 construction-related professional services subcontracts were obtained from the verification process to be used for analysis.

**Availability (Vendor) Data Collection**

Determining the availability of firms is a critical element in developing disparity analyses. Therefore, MGT analyzes the availability of firms at the prime and subcontractor levels.

For the purposes of this study, MGT defines prime contractors as firms that (1) have performed prime contract work for ODOT; (2) have bid on prime contract work for ODOT; (3) have registered as bidders with the state of Oregon; or (4) are included ODOT's available vendors database. These firms are deemed available because they have either performed or indicated their willingness to perform prime contract work for ODOT by registering with the state of Oregon to be considered for contracting opportunities.

The following source agencies provided lists that were used to develop our master list of firms:

- Associated General Contractors of Oregon (AGC)
- Oregon Department of Transportation
- State of Oregon
- NAMCO – National Association of Minority Contractors of Oregon

This process generated 16,933 entries. However, we excluded business listings containing incomplete data, as well as duplicate vendors. As a result, our availability analyses were based on a pool of 7,403 firms.

#### **4.0.5 Market Area Methodology**

In order to establish the appropriate geographic boundaries for the statistical analysis, MGT used the state of Oregon counties and regions as the market area for each of the business categories included in the study. First, the overall market area was determined, and then the regional market areas were established.

#### **Overall Market Area**

The jurisdictions of the state of Oregon were the geographical unit of measure selected for determining market area. The use of Oregon counties as geographical units was based on the following considerations:

- The courts have accepted counties as a standard geographical unit of analysis in conducting equal employment opportunity and disparity analysis.

- State boundaries are externally determined and thus free from any researcher bias that might result from any arbitrary determinations of geographical units of analysis.
- Census and other federal and state data are routinely collected and reported by the State.

MGT determined the counties that constituted ODOT's overall market area by evaluating the total dollars expended by ODOT in each business category. The results were then summarized by county according to the location of each firm that provided services to ODOT.

#### **Relevant Market Area**

Next, MGT determined the relevant market area for each business category. The first step was to sum the federal dollars awarded in each region according to business category. The regional counties were listed according to the number of firms awarded, federal contracts awarded, and then by the federal dollar amounts awarded. This process was repeated for each business category and for each region.

The data used to determine the overall and relevant market areas for ODOT business categories were as follows:

- number of individual firms;
- percentage of total firms;
- number of federal contracts let;
- percentage of total federal contracts let;
- contracts awarded;
- payments made; and
- percentage of total federal dollars.

#### **4.0.6 Utilization Methodology**

The prime-level utilization analyses of construction and construction-related professional services were based on information derived from ODOT's procurement database for activity occurring between October 1, 1999 and September 30, 2007.

In the absence of electronic or manual data showing subcontractor participation on construction-related professional services contracts, MGT conducted a mail survey (the

verification report process discussed on page 4-5) of prime contractors to identify subcontractors that had been utilized. This approach provided a basis for inferring the level of subcontractor participation in ODOT contracts and procurement opportunities. However, ODOT's Office of Civil Rights provided MGT with electronic data for construction subcontractor participation.

#### **4.0.7 Availability Methodology**

To evaluate disparate impact, if any, it is necessary to identify available minorities in the relevant market area in each business category. This determination, referred to as "availability," has been an issue in recent court cases. If the availability of minority- and woman-owned firms is overstated or understated, a distortion of the disparity determination will result. This distortion occurs because the quantitative measure of disparity is a direct ratio between utilization and availability.

Several methodologies may be used to determine availability, including analysis of vendor data and bidder data. The use of vendor data is preferable because it considers firms that have expressed a desire and ability to provide goods and/or services to procuring entities. For our analysis, we used vendor data as well as bidder data as the basis of the availability component.

As indicated previously in this chapter, MGT utilized several sources to determine prime and subcontractor availability in order to develop the appropriate availability data within the relevant market area. All of the data were then compiled into the MGT Master Vendor Database for analysis.

As indicated earlier, there are over 7,000 individual firms in MGT's Master Vendor Database. **Exhibit 4-0a** shows a summary of the total number of available firms in the database by business category.



**EXHIBIT 4-0a**  
**ODOT**  
**AVAILABILITY OF FIRMS BY BUSINESS CATEGORY**  
**WITHIN THE RELEVANT MARKET AREA**

<b>Business Category</b>	<b>Total Firms*</b>
Construction Prime Bidders	214
Construction Subcontractors Bidders	922
Construction-related Professional Services Primes	781
Construction-related Professional Services Subconsultants	845

Source: MGT's Master Vendor Database, 2007.

\*Note: The availability analysis presented later in this chapter is based only on firms in the relevant market area, which is a subset of the "Total Firms." Vendors may be counted in more than one business category if their qualifications suggest multiple disciplines.

This chapter of the report is presented in two sections; one section covers federal construction-related contracts and the other covers federal construction-related professional services contracts. The first section of Chapter 4.0 consists of the following analyses:

- 4.1 Statewide Construction Analysis
- 4.2 Region 1 Construction Analysis
- 4.3 Region 2 Construction Analysis
- 4.4 Region 3 Construction Analysis
- 4.5 Region 4 Construction Analysis
- 4.6 Region 5 Construction Analysis
- 4.7 Summary

The second section of Chapter 4.0 consists of the following analyses:

- 4.8 Statewide Construction-Related Professional Services Analysis
- 4.9 Region 1 Construction-Related Professional Services Analysis
- 4.10 Region 2 Construction-Related Professional Services Analysis
- 4.11 Region 3 Construction-Related Professional Services Analysis
- 4.12 Region 4 Construction-Related Professional Services Analysis
- 4.13 Region 5 Construction-Related Professional Services Analysis
- 4.14 Summary

**4.1 Statewide - Construction Analysis**

This section presents our analysis of ODOT's market area for the construction business category, and the utilization and availability of firms.

**4.1.1 Relevant Market Area Analysis**

ODOT spent almost \$2 billion on statewide federal construction projects during the study period, and used 156 firms on 721 contracts. The average construction contract overall was \$2.7 million. Lane County, Oregon, received most of the construction contract dollars, acquiring over \$547 million of the overall \$2 billion. **Exhibit 4-1** shows the location of all firms used in the analysis of construction contracts, by county and federal dollar amount.

The state of Oregon was used as the relevant market for the market area analysis in **Exhibit 4-1**. The construction contracts that were analyzed are shown in **Appendix A**.

**EXHIBIT 4-1  
STATEWIDE  
CONSTRUCTION  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

County, State	# of Contracts	% of Contracts	# of Firms	% of Firms	Federal Dollars	% of Dollars	Cum% <sup>2</sup>
MARION, OR	146	20.25%	20	12.82%	\$266,009,991.91	13.68%	13.68%
CLACKAMAS, OR	72	9.99%	19	12.18%	\$124,529,115.98	6.40%	20.08%
LANE, OR	81	11.23%	17	10.90%	\$547,540,453.82	28.15%	48.24%
WASHINGTON, OR	35	4.85%	15	9.62%	\$69,520,094.17	3.57%	51.81%
MULTNOMAH, OR	26	3.61%	14	8.97%	\$108,421,983.25	5.57%	57.39%
DESCHUTES, OR	75	10.40%	13	8.33%	\$92,618,243.42	4.76%	62.15%
DOUGLAS, OR	25	3.47%	8	5.13%	\$70,293,971.00	3.61%	65.76%
JACKSON, OR	38	5.27%	8	5.13%	\$48,313,471.67	2.48%	68.25%
UNION, OR	26	3.61%	7	4.49%	\$33,648,673.55	1.73%	69.98%
LINN, OR	51	7.07%	5	3.21%	\$76,015,187.65	3.91%	73.88%
COOS, OR	16	2.22%	5	3.21%	\$47,923,591.76	2.46%	76.35%
BENTON, OR	4	0.55%	4	2.56%	\$39,319,074.00	2.02%	78.37%
YAMHILL, OR	49	6.80%	3	1.92%	\$261,423,052.07	13.44%	91.81%
JOSEPHINE, OR	9	1.25%	3	1.92%	\$9,487,185.98	0.49%	92.30%
CLATSOP, OR	3	0.42%	3	1.92%	\$4,693,699.00	0.24%	92.54%
UMATILLA, OR	6	0.83%	3	1.92%	\$2,779,373.00	0.14%	92.69%
POLK, OR	22	3.05%	2	1.28%	\$76,807,520.00	3.95%	96.63%
CURRY, OR	15	2.08%	1	0.64%	\$45,410,418.75	2.33%	98.97%
KLAMATH, OR	6	0.83%	1	0.64%	\$8,936,750.00	0.46%	99.43%
LINCOLN, OR	6	0.83%	1	0.64%	\$6,254,661.00	0.32%	99.75%
WASCO, OR	4	0.55%	1	0.64%	\$1,457,980.00	0.07%	99.83%
HARNEY, OR	2	0.28%	1	0.64%	\$1,415,988.00	0.07%	99.90%
TILLAMOOK, OR	2	0.28%	1	0.64%	\$1,139,377.00	0.06%	99.96%
GRANT, OR	2	0.28%	1	0.64%	\$834,458.00	0.04%	100.00%
<b>Total</b>	<b>721</b>	<b>100.00%</b>	<b>156</b>	<b>100.00%</b>	<b>\$1,944,794,314.98</b>	<b>100.00%</b>	

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Cumulative total of percent of dollars in market area.

**4.1.2 Utilization Analysis**

For firms located in the state of Oregon, the following analyses were conducted:

- utilization analysis of all minority and nonminority prime contractors by year for the study period; and
- utilization analysis of the number of federal contracts awarded and the individual firms awarded those contracts, according to race/ethnicity/gender classifications.

The utilization analysis of prime construction contractors in the state of Oregon is shown in **Exhibit 4-2**. Minorities were awarded 5.6 percent of the total federal dollars expended by ODOT during the review period. Among minorities, firms owned by nonminority women were most utilized, receiving over \$160 million, or 3 percent of the total amount awarded for construction projects. Nonminorities were most successful in winning contracts for all years during the study period. However, African-American firms did not receive any federal dollars within the eight-year study period.

**EXHIBIT 4-2  
STATEWIDE  
CONSTRUCTION CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,215,550	0.65%	\$7,268,865	3.89%	\$8,484,415	4.54%	\$178,552,161	95.46%	\$187,036,576
2001	\$0	0.00%	\$1,495,116	0.73%	\$0	0.00%	\$234,898	0.11%	\$7,949,639	3.87%	\$9,679,653	4.71%	\$195,838,920	95.29%	\$205,518,573
2002	\$0	0.00%	\$1,129,282	0.58%	\$0	0.00%	\$0	0.00%	\$5,109,638	2.64%	\$6,238,920	3.22%	\$187,297,820	96.78%	\$193,536,740
2003	\$0	0.00%	\$4,449,403	2.26%	\$0	0.00%	\$0	0.00%	\$9,123,995	4.64%	\$13,573,398	6.90%	\$183,147,736	93.10%	\$196,721,134
2004	\$0	0.00%	\$13,881,853	4.78%	\$1,006,766	0.35%	\$0	0.00%	\$12,521,356	4.31%	\$27,409,975	9.44%	\$262,890,463	90.56%	\$290,300,438
2005	\$0	0.00%	\$370,680	0.18%	\$0	0.00%	\$656,777	0.32%	\$4,410,072	2.17%	\$5,437,529	2.68%	\$197,487,494	97.32%	\$202,925,023
2006	\$0	0.00%	\$4,764,995	1.27%	\$0	0.00%	\$1,546,572	0.41%	\$6,091,986	1.62%	\$12,403,553	3.29%	\$364,243,546	96.71%	\$376,647,099
2007	\$0	0.00%	\$2,673,772	0.92%	\$0	0.00%	\$15,462,213	5.29%	\$8,179,228	2.80%	\$26,315,212	9.01%	\$265,793,520	90.99%	\$292,108,732
<b>Total</b>	\$0	0.00%	\$28,765,101	1.48%	\$1,006,766	0.05%	\$19,116,010	0.98%	\$60,654,779	3.12%	\$109,542,655	5.63%	\$1,835,251,660	94.37%	\$1,944,794,315

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, to September 30, 2007.

<sup>1</sup> Percent of total dollars awarded annually to prime contractors.

**Exhibits 4-3** and **4-4** show the number of prime construction contracts awarded and the number of firms utilized during the study period within the state of Oregon. In **Exhibit 4-3**, we show that 721 contracts were awarded statewide with 89 percent of those contracts going to nonminority-owned firms whereas minorities received 11 percent of the contract awards—77 of the 721 contracts. Of the 77 contracts let to minorities, nonminority women received 50, accounting for 6.9 percent. In **Exhibit 4-4** we show that 22 minority firms were awarded construction projects at the prime contractor level. In comparison, 134 nonminority firms were hired during the same period.

**Threshold Analysis**

MGT analyzed the utilization of minority construction firms by examining contracts in specific dollar ranges shown below:

- contracts \$1 million and under;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

As **Exhibit 4-5** illustrates, minorities received 12.7 percent of the contracts awarded in amounts less than or equal to \$1,000,000. Minority participation decreased in the \$1,000,001 to \$5 million category, and in the greater than \$5 million range. Among minorities and based on percentage utilization, firms owned by nonminority women were more successful in winning construction contracts.

The threshold analysis indicates that, based on contract awards, there was a noticeable drop in minority participation as the award amount increased from the \$1,000,001 to \$5 million category to the greater than 5 million category. Some researchers would attribute this finding to a reduced capacity of minorities to perform on larger, more complex projects. However, other factors such as unfair business practices and other barriers to participation must be considered before summarily concluding that minorities cannot successfully perform large contracts. Particularly since construction firm capacity is elastic and expands or contracts depending on the size of the job to be performed.

**EXHIBIT 4-3  
STATEWIDE  
PRIME CONSTRUCTION CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	1	0.96%	10	9.62%	11	10.58%	93	89.42%	104
2001	0	0.00%	3	2.97%	0	0.00%	1	0.99%	9	8.91%	13	12.87%	88	87.13%	101
2002	0	0.00%	2	1.60%	0	0.00%	0	0.00%	8	6.40%	10	8.00%	115	92.00%	125
2003	0	0.00%	4	3.96%	0	0.00%	0	0.00%	7	6.93%	11	10.89%	90	89.11%	101
2004	0	0.00%	4	4.17%	1	1.04%	0	0.00%	6	6.25%	11	11.46%	85	88.54%	96
2005	0	0.00%	1	1.32%	0	0.00%	3	3.95%	4	5.26%	8	10.53%	68	89.47%	76
2006	0	0.00%	2	2.99%	0	0.00%	2	2.99%	2	2.99%	6	8.96%	61	91.04%	67
2007	0	0.00%	2	3.92%	0	0.00%	1	1.96%	4	7.84%	7	13.73%	44	86.27%	51
<b>Total Contracts</b>	0	0.00%	18	2.50%	1	0.14%	8	1.11%	50	6.93%	77	10.68%	644	89.32%	721

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.

**EXHIBIT 4-4  
STATEWIDE  
PRIME CONSTRUCTION CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	
2000	0	0.00%	0	0.00%	0	0.00%	1	1.96%	2	3.92%	3	5.88%	48	94.12%	51
2001	0	0.00%	2	3.85%	0	0.00%	1	1.92%	4	7.69%	7	13.46%	45	86.54%	52
2002	0	0.00%	2	3.64%	0	0.00%	0	0.00%	5	9.09%	7	12.73%	48	87.27%	55
2003	0	0.00%	2	3.92%	0	0.00%	0	0.00%	3	5.88%	5	9.80%	46	90.20%	51
2004	0	0.00%	2	4.44%	1	2.22%	0	0.00%	3	6.67%	6	13.33%	39	86.67%	45
2005	0	0.00%	1	2.33%	0	0.00%	2	4.65%	3	6.98%	6	13.95%	37	86.05%	43
2006	0	0.00%	1	2.63%	0	0.00%	1	2.63%	2	5.26%	4	10.53%	34	89.47%	38
2007	0	0.00%	1	2.38%	0	0.00%	1	2.38%	4	9.52%	6	14.29%	36	85.71%	42
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	5	3.21%	1	0.64%	4	2.56%	12	7.69%	22	14.10%	134	85.90%	156

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.

**EXHIBIT 4-5  
STATEWIDE  
PRIME CONSTRUCTION CONTRACT AWARDS  
BY THRESHOLD  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

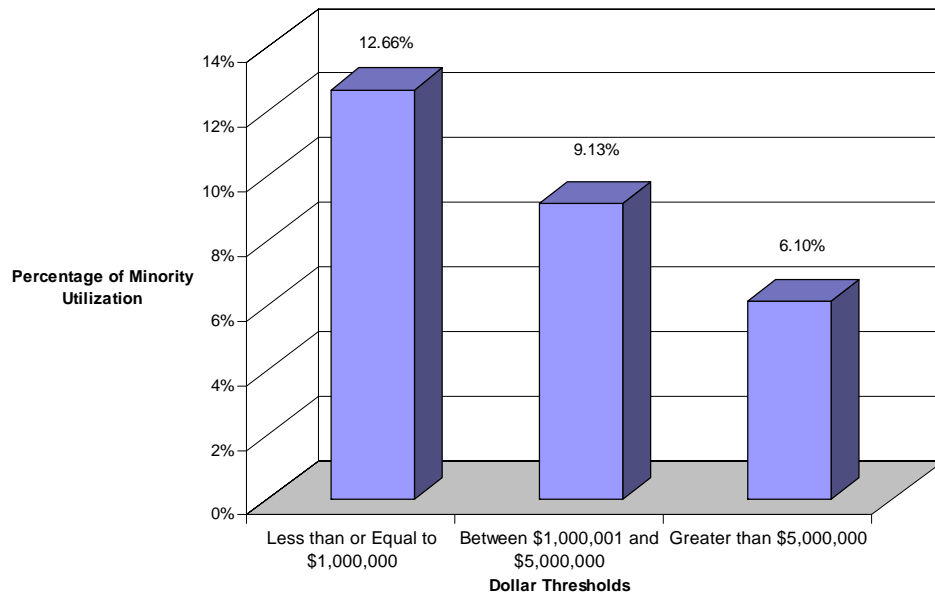
Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	0	0.00%	10	2.58%	0	0.00%	5	1.29%	34	8.79%	49	12.66%	338	87.34%	387
Between \$1,000,001 and \$5 million	0	0.00%	7	2.78%	1	0.40%	2	0.79%	13	5.16%	23	9.13%	229	90.87%	252
Greater than \$5 million	0	0.00%	1	1.22%	0	0.00%	1	1.22%	3	3.66%	5	6.10%	77	93.90%	82
<b>Total</b>	0	0.00%	18	2.50%	1	0.14%	7	0.97%	50	6.93%	77	10.68%	644	89.32%	721

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.  
<sup>1</sup> Percent of total contracts awarded annually to prime contractors.



Based on the comparison of all contract dollar groups, we noted that minority participation was the lowest in comparison to nonminority participation in all threshold categories. **Exhibit 4-6** shows a graphical representation of the dollar ranges for the utilization of minorities and illustrates how minority firms fared as contract dollars rose. **Exhibit 4-7** presents the threshold analysis based on award totals in the respective categories, which shows a percentage concentration of minority participation on contracts less than or equal to \$1 million. However, as the dollar value of the awarded contracts increased, minority participation decreased, to the extent that in the highest dollar range minorities received 3 percent of the total dollars awarded, which is lower than the 13 percent participation in the less than or equal to \$1,000,001 range. The analysis by contract award amount produced findings unlike that of the analysis by number of contracts awarded, being that, in the number of contracts awarded, the minority participation increased, then slowly decreased, while in the threshold analysis for contract amounts, the dollars gradually decreased.

**EXHIBIT 4-6  
STATEWIDE  
UTILIZATION OF MINORITY CONSTRUCTION CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

**EXHIBIT 4-7  
STATEWIDE  
CONSTRUCTION CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$0	0.00%	\$5,535,201	3.29%	\$0	0.00%	\$1,240,517	0.74%	\$15,655,227	9.32%	\$22,430,945	13.35%	\$145,631,434	86.65%	\$168,062,379
Between \$1,000,001 and \$5 million	\$0	0.00%	\$15,100,602	2.57%	\$1,006,766	0.17%	\$2,413,280	0.41%	\$28,074,398	4.77%	\$46,595,045	7.92%	\$542,008,391	92.08%	\$588,603,437
Greater than \$5 million	\$0	0.00%	\$8,129,298	0.68%	\$0	0.00%	\$15,462,213	1.30%	\$16,925,154	1.42%	\$40,516,665	3.41%	\$1,147,611,834	96.59%	\$1,188,128,499
<b>Total</b>	\$0	0.00%	\$28,765,101	1.48%	\$1,006,766	0.05%	\$19,116,010	0.98%	\$60,654,779	3.12%	\$109,542,655	5.63%	\$1,835,251,660	94.37%	\$1,944,794,315

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**Subcontractor Analysis**

ODOT provided MGT with subcontractor participation data. Based on these data, MGT was able to obtain subcontract award amounts for the state of Oregon. That subcontractor utilization information is presented in **Exhibit 4-8**. **Exhibit 4-8** shows that minorities received \$261.3 million in subcontracts with the state of Oregon during the study period, which accounts for 36.7 percent of the overall construction subcontract amount. Nonminorities received 63.3 percent receiving \$450.1 million.

To enhance our analysis of construction subcontracting activity, MGT analyzed the number of subcontracts awarded based on the subcontractor database maintained by ODOT. As shown in **Exhibit 4-9**, minorities participated on over 39.5 percent of construction subcontracts during the study period. Most of the minority construction subcontractors were women-owned firms. Nonminorities were the group most utilized overall as construction subcontractors. **Exhibit 4-10** shows the breakdown of individual subcontractors that participated on ODOT construction projects. Minority participation was 19.8 percent of the total 884 individual firms.

In 2007, nonminority women-owned firms received the highest participation with 12 percent, followed closely by Native American-owned firms who received 11.5 percent of the federal subcontracting dollars for construction. However, in 2007, African Americans did not receive any of the statewide federal subcontracting dollars in construction. MGT also analyzed minority subcontractor participation on state funded projects for further comparison. (See **Appendix M**)

**EXHIBIT 4-8  
STATEWIDE  
UTILIZATION OF CONSTRUCTION SUBCONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Federal Dollars Awarded <sup>2</sup>
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	%	\$	% <sup>1</sup>	\$
2000	\$ 177,913.00	0.41%	\$ 3,356,613.00	7.75%	\$ 192,850.00	0.45%	\$ 5,834,371.00	13.48%	\$ 10,031,872.00	23.17%	\$ 19,593,619.00	45.26%	\$ 23,694,393.00	54.74%	\$ 43,288,012.00
2001	\$ 136,413.00	0.17%	\$ 5,738,961.00	7.32%	\$ 1,408,442.00	1.80%	\$ 4,878,601.00	6.22%	\$ 21,965,987.00	28.01%	\$ 34,128,404.00	43.52%	\$ 44,292,254.83	56.48%	\$ 78,420,658.83
2002	\$ 4,500.00	0.01%	\$ 8,692,740.00	11.97%	\$ 127,607.00	0.18%	\$ 7,568,788.00	10.42%	\$ 12,001,569.00	16.53%	\$ 28,395,204.00	39.11%	\$ 44,210,731.00	60.89%	\$ 72,605,935.00
2003	\$ 34,832.00	0.04%	\$ 7,029,377.00	8.60%	\$ 379,095.00	0.46%	\$ 5,290,377.00	6.47%	\$ 15,289,823.00	18.71%	\$ 28,023,504.00	34.29%	\$ 53,695,508.00	65.71%	\$ 81,719,012.00
2004	\$ 34,975.00	0.03%	\$ 5,786,990.00	4.75%	\$ 1,411,053.00	1.16%	\$ 11,435,187.00	9.38%	\$ 26,458,160.00	21.70%	\$ 45,126,365.00	37.01%	\$ 76,814,759.00	62.99%	\$ 121,941,124.00
2005	\$ 524,676.00	0.67%	\$ 5,562,735.00	7.10%	\$ 456,005.00	0.58%	\$ 5,832,809.00	7.44%	\$ 26,400,082.00	33.68%	\$ 38,776,307.00	49.47%	\$ 39,610,867.00	50.53%	\$ 78,387,174.00
2006	\$ 15,000.00	0.01%	\$ 6,158,308.00	3.84%	\$ 1,626,287.00	1.01%	\$ 8,864,101.00	5.53%	\$ 31,131,214.00	19.43%	\$ 47,794,910.00	29.83%	\$ 112,450,435.00	70.17%	\$ 160,245,345.00
2007	\$ 0.00	0.00%	\$ 750,366.43	1.00%	\$ 1,061,082.12	1.42%	\$ 8,621,587.35	11.54%	\$ 8,986,042.75	12.02%	\$ 19,419,078.65	25.98%	\$ 55,322,856.27	74.02%	\$ 74,741,934.92
<b>Total</b>	\$ 928,309.00	0.13%	\$ 43,076,090.43	6.06%	\$ 6,662,421.12	0.94%	\$ 58,325,821.35	8.20%	\$ 152,264,749.75	21.41%	\$ 261,257,391.65	36.73%	\$ 450,091,804.10	63.27%	\$ 711,349,195.75

Source: Oregon Department of Transportation.

**EXHIBIT 4-9  
STATEWIDE  
NUMBER OF CONSTRUCTION SUBCONTRACTS AWARDED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	8	1.68%	37	7.76%	9	1.89%	35	7.34%	139	29.14%	228	47.80%	249	52.20%	477
2001	1	0.15%	44	6.78%	13	2.00%	69	10.63%	167	25.73%	294	45.30%	355	54.70%	649
2002	1	0.12%	62	7.35%	17	2.02%	86	10.20%	200	23.72%	366	43.42%	477	56.58%	843
2003	2	0.25%	62	7.63%	9	1.11%	70	8.61%	163	20.05%	306	37.64%	507	62.36%	813
2004	3	0.32%	53	5.71%	23	2.48%	83	8.94%	206	22.20%	368	39.66%	560	60.34%	928
2005	7	1.10%	40	6.28%	6	0.94%	47	7.38%	130	20.41%	230	36.11%	407	63.89%	637
2006	1	0.19%	36	6.81%	17	3.21%	33	6.24%	122	23.06%	209	39.51%	320	60.49%	529
2007	0	0.00%	10	2.31%	3	0.69%	24	5.54%	60	13.86%	97	22.40%	336	77.60%	433
<b>Total Contracts</b>	23	0.43%	344	6.48%	97	1.83%	447	8.42%	1,187	22.36%	2,098	39.52%	3,211	60.48%	5,309

Source: ODOT Subcontract Data for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Subcontracts.

**EXHIBIT 4-10  
STATEWIDE  
UNIQUE CONSTRUCTION SUBCONTRACTORS  
UTILIZED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	3	1.64%	8	4.37%	4	2.19%	5	2.73%	41	22.40%	61	33.33%	122	66.67%	183
2001	1	0.45%	7	3.14%	4	1.79%	9	4.04%	43	19.28%	64	28.70%	159	71.30%	223
2002	1	0.39%	11	4.25%	4	1.54%	12	4.63%	44	16.99%	72	27.80%	187	72.20%	259
2003	1	0.38%	11	4.14%	5	1.88%	8	3.01%	44	16.54%	69	25.94%	197	74.06%	266
2004	3	0.97%	8	2.60%	8	2.60%	8	2.60%	60	19.48%	87	28.25%	221	71.75%	308
2005	3	1.23%	10	4.12%	5	2.06%	10	4.12%	36	14.81%	64	26.34%	179	73.66%	243
2006	1	0.55%	11	6.01%	6	3.28%	6	3.28%	34	18.58%	58	31.69%	125	68.31%	183
2007	0	0.00%	2	1.23%	2	1.23%	4	2.47%	15	9.26%	23	14.20%	139	85.80%	162
<b>Individual Firms Over Eight Years<sup>2</sup></b>	7	0.79%	24	2.71%	13	1.47%	24	2.71%	107	12.10%	175	19.80%	709	80.20%	884

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of Total Contracts.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Total Unique Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the total unique firms for the entire study period may not equal the sum of all years.

**4.1.3 Availability**

The availability of construction firms was derived from the prime bidder's list. However, the availability analysis is based only on firms that were located within the state of Oregon. As shown in **Exhibit 4-11**, minorities accounted for 19 percent of prime construction bidders available to do business with ODOT. There were no African American-owned firms available, and nonminority women-owned firms were the largest minority group accounting for 28 and 13 percent of the total minority prime bidders. Hispanic American-owned firms accounted for 3 percent of available construction bidders followed by Native American-owned firms at 2 percent. **Exhibit 4-12** shows the availability of construction subcontractor bidders in the state of Oregon. Minority subcontractors represented 30 percent of available firms, with nonminority women being the largest subgroup of minority subcontractors available at 18 percent.



**EXHIBIT 4-11  
STATEWIDE  
AVAILABILITY OF PRIME CONSTRUCTION BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	7	3.27%	2	0.93%	4	1.87%	28	13.08%	41	19.16%	173	80.84%	214

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**EXHIBIT 4-12  
STATEWIDE  
AVAILABILITY OF CONSTRUCTION SUBCONTRACT BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	21	2.28%	33	3.58%	24	2.60%	26	2.82%	168	18.22%	272	29.50%	650	70.50%	922

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**Bidders Analysis**

**4.2.4 Analyses of Bid Data**

Exhibit 4-13a shows the results of data analysis of construction bids submitted during the study period. Exhibit 4-13a shows the bids categorized by the race, ethnicity, and gender of the owner of the bidding firm and 4-13b shows a breakout by range classification. Based on the analysis, minorities submitted 14 percent of construction bids for work to be performed for ODOT.

**EXHIBIT 4-13(a)  
ODOT  
CONSTRUCTION  
ANALYSIS OF BID DATA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

**Number of Bids Submitted**

	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	84	2.35%	22	0.62%	48	1.35%	344	9.64%	498	13.96%	3,070	86.04%	3,568

Source: ODOT Bid Data.

**EXHIBIT 4-13(b)  
ODOT  
CONSTRUCTION  
ANALYSIS OF BID DATA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999 THROUGH SEPTEMBER 30, 2007**

**Bids Submitted by Firm's Bid Range**

Range <sup>1</sup>	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
A	0	0.00%	4	0.00%	0	0.00%	0	0.00%	11	3.20%	15	3.17%	81	2.58%	96
B	0	0.00%	47	0.00%	9	0.00%	0	0.00%	207	60.17%	263	55.60%	1,389	44.29%	1,652
C	0	0.00%	33	0.00%	13	0.00%	23	0.00%	126	36.63%	195	41.23%	1,600	51.02%	1,795
Not Provided	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	66	2.10%	66
<b>Total</b>	<b>0</b>	<b>0.00%</b>	<b>84</b>	<b>0.00%</b>	<b>22</b>	<b>0.61%</b>	<b>23</b>	<b>0.64%</b>	<b>344</b>	<b>9.53%</b>	<b>473</b>	<b>13.11%</b>	<b>3,136</b>	<b>86.89%</b>	<b>3,609</b>

<sup>1</sup> A – less than \$100,000; B – \$100,000 to \$1 million; C > \$1 million.

Note: The number of bids shown in the tables is not inclusive of all projects for which bids were submitted during the study period. The data shown above represent only those projects for which bid information was available in the electronic data provided.  
Source: ODOT Bid Data.

The distribution of minority and nonminority firms that submitted bids was similar to the results of our availability analysis, as shown in Exhibit 4-11, based on vendor

data for African Americans. The bidder analysis showed smaller percentages for minority firms.

**Exhibit 4-14** compares the number of construction contracts awarded (see **Exhibit 4-3**) with the number of bids submitted by business owner classification. As shown, firms owned by Hispanic Americans were more successful in winning contract awards than firms in other minority business owner classifications. This determination is based on the finding where the respective ratio was greater than 1. The exhibit also shows that nonminority women-, Asian-, and Native American-owned firms were least likely to win contracts during the study period. (A subcontractor bid analysis can be found in **Appendix S**.)

**EXHIBIT 4-14  
ODOT  
CONSTRUCTION  
COMPARISON OF % FEDERAL CONTRACTS AWARDED TO BIDS SUBMITTED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

<b>Business Owner Classification</b>	<b>% Contract Awards</b>	<b>% Bids</b>	<b>Ratio</b>
African Americans	0.00%	0.00%	0.00
Hispanic Americans	2.50%	2.35%	1.06
Asian Americans	0.14%	0.62%	0.22
Native Americans	1.11%	1.35%	0.82
Nonminority Women	6.93%	9.64%	0.72
Nonminorities	89.32%	86.04%	1.04

Source: Previous charts.

## **4.2 Region 1 - Construction Analysis**

This section presents the Region 1 market area analysis for construction contract awards, and the utilization and availability analysis of minorities and nonminorities as construction contractors in Region 1.

### **4.2.1 Relevant Market Area Analysis**

The data showed that ODOT spent over \$302 million on construction contracts during the study period in Region 1. Overall, 133 contracts were awarded to 48 individual firms. **Exhibit 4-15** shows the location of firms awarded construction contracts by the respective firms' county of domicile and dollar amount, all within Region 1.

The counties in the relevant market area for Region 1 construction contract awards consist of Clackamas County, Washington County, and Multnomah County. The construction contracts that were analyzed from ODOT's Region 1 are shown in **Appendix B**.

### **4.2.2 Utilization Analysis**

**Exhibit 4-16** presents the utilization analysis of construction prime contractors in ODOT's Region 1 market area. Minorities received 13 percent (\$38.9 million) of the construction contract dollars awarded to contractors in Region 1. Native Americans were the more successful minority group, securing 6 percent (\$18.9 million) of the construction contracts awarded during the eight-year study period. Next, in order of level of success, were nonminority women with 3 percent of the construction contract awards. As a group, nonminorities were the most successful in receiving construction contract dollars for all years of the study period, except for the year 2003.

**EXHIBIT 4-15  
REGION 1  
CONSTRUCTION  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

<b>County, State</b>	<b># of Contracts</b>	<b>% of Contracts</b>	<b># of Firms</b>	<b>% of Firms</b>	<b>Federal Dollars</b>	<b>% of Dollars</b>	<b>Cum%<sup>2</sup></b>
CLACKAMAS, OR	72	54.14%	19	39.58%	\$124,529,115.98	41.17%	41.17%
WASHINGTON, OR	35	26.32%	15	31.25%	\$69,520,094.17	22.98%	64.15%
MULTNOMAH, OR	26	19.55%	14	29.17%	\$108,421,983.25	35.85%	100.00% <sup>1</sup>
<b>Total</b>	<b>133</b>	<b>100.00%</b>	<b>48</b>	<b>100.00%</b>	<b>\$302,471,193.40</b>	<b>100.00%</b>	

Source: Oregon Department of Transportation.

<sup>1</sup> Cumulative total of percent of federal dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**EXHIBIT 4-16  
REGION 1  
CONSTRUCTION CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,215,550	2.30%	\$3,345,095	6.33%	\$4,560,645	8.63%	\$48,307,068	91.37%	\$52,867,713
2001	\$0	0.00%	\$421,800	4.39%	\$0	0.00%	\$0	0.00%	\$2,960,061	30.83%	\$3,381,861	35.22%	\$6,219,834	64.78%	\$9,601,695
2002	\$0	0.00%	\$557,557	2.61%	\$0	0.00%	\$0	0.00%	\$1,907,508	8.94%	\$2,465,065	11.56%	\$18,860,361	88.44%	\$21,325,426
2003	\$0	0.00%	\$4,003,001	43.19%	\$0	0.00%	\$0	0.00%	\$1,596,298	17.22%	\$5,599,299	60.42%	\$3,668,059	39.58%	\$9,267,358
2004	\$0	0.00%	\$1,919,963	6.47%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,919,963	6.47%	\$27,746,917	93.53%	\$29,666,880
2005	\$0	0.00%	\$370,680	1.08%	\$0	0.00%	\$656,777	1.91%	\$0	0.00%	\$1,027,457	2.99%	\$33,321,646	97.01%	\$34,349,103
2006	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,546,572	5.53%	\$0	0.00%	\$1,546,572	5.53%	\$26,421,235	94.47%	\$27,967,807
2007	\$0	0.00%	\$2,673,772	2.28%	\$0	0.00%	\$15,462,213	13.17%	\$240,498	0.20%	\$18,376,482	15.65%	\$99,048,729	84.35%	\$117,425,211
<b>Total</b>	\$0	0.00%	\$9,946,773	3.29%	\$0	0.00%	\$18,881,112	6.24%	\$10,049,460	3.32%	\$38,877,344	12.85%	\$263,593,849	87.15%	\$302,471,193

Source: MGT developed a purchase order and vendor database for the Oregon Department of Transportation for the period of October 1, 1999, through September 30, 2007.

**Exhibits 4-17** and **4-18** show the utilization by the number of contracts and the number of construction contractors used during the study period in Region 1. In **Exhibit 4-17**, we show that nonminorities were more successful than minorities during the study period in winning construction contracts from ODOT in Region 1. Minorities received 26 percent of ODOT's construction contracts with firms owned by nonminority women receiving 13.5 percent of the number of contracts let during the study period. **Exhibit 4-18** shows the distribution of construction prime level contractors that performed work for ODOT in Region 1. Seventy-nine percent of the firms were nonminority-owned accounting for 38 of the 48 firms utilized by ODOT in Region 1.

MGT further analyzed the utilization of minority construction firms by examining construction awards in specific dollar ranges. The established ranges were:

- contracts \$1,000,000 and under;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

**EXHIBIT 4-17  
REGION 1  
PRIME CONSTRUCTION CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	1	5.00%	6	30.00%	7	35.00%	13	65.00%	20
2001	0	0.00%	1	7.69%	0	0.00%	0	0.00%	6	46.15%	7	53.85%	6	46.15%	13
2002	0	0.00%	1	5.26%	0	0.00%	0	0.00%	2	10.53%	3	15.79%	16	84.21%	19
2003	0	0.00%	3	21.43%	0	0.00%	0	0.00%	3	21.43%	6	42.86%	8	57.14%	14
2004	0	0.00%	1	6.25%	0	0.00%	0	0.00%	0	0.00%	1	6.25%	15	93.75%	16
2005	0	0.00%	1	5.88%	0	0.00%	3	17.65%	0	0.00%	4	23.53%	13	76.47%	17
2006	0	0.00%	0	0.00%	0	0.00%	2	11.11%	0	0.00%	2	11.11%	16	88.89%	18
2007	0	0.00%	2	12.50%	0	0.00%	1	6.25%	1	6.25%	4	25.00%	12	75.00%	16
<b>Total Contracts</b>	0	0.00%	9	6.77%	0	0.00%	7	5.26%	18	13.53%	34	25.56%	99	74.44%	133

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.



**EXHIBIT 4-18  
REGION 1  
PRIME CONSTRUCTION CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	1	8.33%	1	8.33%	2	16.67%	10	83.33%	12
2001	0	0.00%	1	12.50%	0	0.00%	0	0.00%	1	12.50%	2	25.00%	6	75.00%	8
2002	0	0.00%	1	8.33%	0	0.00%	0	0.00%	1	8.33%	2	16.67%	10	83.33%	12
2003	0	0.00%	1	11.11%	0	0.00%	0	0.00%	2	22.22%	3	33.33%	6	66.67%	9
2004	0	0.00%	1	8.33%	0	0.00%	0	0.00%	0	0.00%	1	8.33%	11	91.67%	12
2005	0	0.00%	1	10.00%	0	0.00%	2	20.00%	0	0.00%	3	30.00%	7	70.00%	10
2006	0	0.00%	0	0.00%	0	0.00%	1	8.33%	0	0.00%	1	8.33%	11	91.67%	12
2007	0	0.00%	1	8.33%	0	0.00%	1	8.33%	1	8.33%	3	25.00%	9	75.00%	12
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	4	8.33%	0	0.00%	3	6.25%	3	6.25%	10	20.83%	38	79.17%	48

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.

**Threshold Analysis**

**Exhibit 4-19** presents the threshold analysis for construction contracts awarded by ODOT during the study period in Region 1. Most contract award amounts by ODOT were less than or equal to \$1 million. ODOT awarded 86 contracts in this category, out of a total 133 contracts (65 percent).

Nonminorities received no less than 70 percent of the construction contracts throughout the study period. Among minorities, firms owned by nonminority women were generally the most utilized.

**Exhibit 4-20** presents a graphical representation of the threshold analysis of the utilization of minorities as construction firms during the study period in Region 1. We noted a concentration of contracts awarded in the less than or equal to \$1 million category. **Exhibit 4-21** shows the threshold distribution based on dollars awarded in the respective categories. In the greater than \$5 million category, Native Americans were the only minority firms with participation.

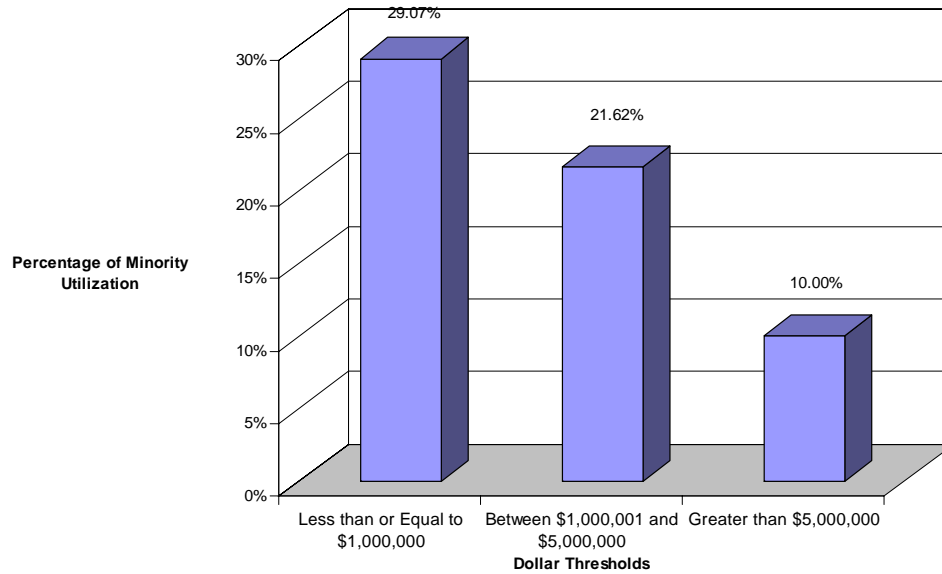
**EXHIBIT 4-19  
REGION 1  
PRIME CONSTRUCTION CONTRACT AWARDS  
BY THRESHOLD  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	0	0.00%	5	5.81%	0	0.00%	4	4.65%	16	18.60%	25	29.07%	61	70.93%	86
Between \$1,000,001 and \$5 million	0	0.00%	4	10.81%	0	0.00%	2	5.41%	2	5.41%	8	21.62%	29	78.38%	37
Greater than \$5 million	0	0.00%	0	0.00%	0	0.00%	1	10.00%	0	0.00%	1	10.00%	9	90.00%	10
<b>Total</b>	0	0.00%	9	6.77%	0	0.00%	6	4.51%	18	13.53%	34	25.56%	99	74.44%	133

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

**EXHIBIT 4-20  
REGION 1  
UTILIZATION OF MINORITY CONSTRUCTION CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

**EXHIBIT 4-21  
REGION 1  
CONSTRUCTION CONTRACT AWARDS  
BY DOLLARS AWARDED THRESHOLD  
OCTOBER 1, 1999 THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$0	0.00%	\$2,704,890	7.26%	\$0	0.00%	\$1,005,619	2.70%	\$7,144,175	19.17%	\$10,854,684	29.13%	\$26,403,647	70.87%	\$37,258,331
Between \$1,000,001 and \$5 million	\$0	0.00%	\$7,241,883	9.82%	\$0	0.00%	\$2,413,280	3.27%	\$2,905,285	3.94%	\$12,560,448	17.03%	\$61,196,424	82.97%	\$73,756,872
Greater than \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$15,462,213	8.08%	\$0	0.00%	\$15,462,213	8.08%	\$175,993,777	91.92%	\$191,455,990
<b>Total</b>	\$0	0.00%	\$9,946,773	3.29%	\$0	0.00%	\$18,881,112	6.24%	\$10,049,460	3.32%	\$38,877,344	12.85%	\$263,593,849	87.15%	\$302,471,193

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**Subcontractor Analysis**

**Exhibit 4-22** shows the analysis of subcontractor awards during the study period for the construction business category in Region 1. The subcontractor data show that nonminority-owned subcontractors were the most utilized on ODOT construction projects, participating in 59 percent of the subcontracting opportunities. Minorities accounted for 41 percent of the subcontract level participation with most of the work going to Native American firms. Overall, \$229 million was spent on subcontractor awards in Region 1 during the study period.

**Exhibits 4-23** and **4-24** show that 2,238 subcontracting contracts were let to 322 subcontractors during the study period in Region 1. This analysis is based on the subcontractor database maintained by ODOT. The conclusion to be drawn from the available data on subcontractor dollars is that minorities generally participated in less than 40 percent of ODOT's construction opportunities, except in 2000. This finding holds true when reviewing the activity by dollars and also by number of subcontract awards.

**EXHIBIT 4-22  
REGION 1  
UTILIZATION OF CONSTRUCTION SUBCONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATIONS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Federal Dollars Awarded <sup>2</sup>
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	%	\$	% <sup>1</sup>	\$
2000	\$177,913.00	0.91%	\$1,940,520.00	9.89%	\$132,298.00	0.67%	\$5,547,556.00	28.27%	\$2,654,154.00	13.53%	\$10,452,441.00	53.27%	\$9,170,327.00	46.73%	\$19,622,768.00
2001	\$136,413.00	0.47%	\$4,840,337.00	16.80%	\$9,895.00	0.03%	\$3,289,896.00	11.42%	\$5,120,046.00	17.77%	\$13,396,587.00	46.50%	\$15,411,180.00	53.50%	\$28,807,767.00
2002	\$4,500.00	0.01%	\$7,274,176.00	22.07%	\$8,168.00	0.02%	\$5,473,332.00	16.60%	\$2,807,220.00	8.52%	\$15,567,396.00	47.22%	\$17,399,624.00	52.78%	\$32,967,020.00
2003	\$34,832.00	0.09%	\$4,659,958.00	12.06%	\$5,860.00	0.02%	\$3,545,218.00	9.17%	\$3,743,374.00	9.69%	\$11,989,242.00	31.02%	\$26,655,094.00	68.98%	\$38,644,336.00
2004	\$34,975.00	0.08%	\$3,612,014.00	8.66%	\$246,816.00	0.59%	\$7,547,259.00	18.10%	\$5,379,911.00	12.90%	\$16,820,975.00	40.34%	\$24,879,464.00	59.66%	\$41,700,439.00
2005	\$274,913.00	1.40%	\$2,007,336.00	10.21%	\$95,442.00	0.49%	\$3,770,132.00	19.18%	\$1,476,048.00	7.51%	\$7,623,871.00	38.78%	\$12,034,145.00	61.22%	\$19,658,016.00
2006	\$15,000.00	0.03%	\$3,173,888.00	6.60%	\$913,410.00	1.90%	\$7,534,572.00	15.68%	\$6,927,254.00	14.41%	\$18,564,124.00	38.63%	\$29,491,982.00	61.37%	\$48,056,106.00
2007	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$8,261,018.50	27.42%	\$892,557.50	2.96%	\$9,153,659.35	30.38%	\$20,977,882.17	69.62%	\$30,131,541.52
<b>Total</b>	\$678,546.00	0.30%	\$27,508,229.00	11.99%	\$141,889.00	0.62%	\$36,707,965.00	16.00%	\$28,108,007.00	12.25%	\$94,414,636.00	41.15%	\$135,041,116.00	58.85%	\$229,456,452.00

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of Total Federal Dollars Awarded.

<sup>2</sup> The Total Dollars Awarded is the actual amount given to prime contractors and subcontractors combined.

**EXHIBIT 4-23  
REGION 1  
NUMBER OF CONSTRUCTION SUBCONTRACTS AWARDED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	8	4.17%	29	15.10%	3	1.56%	24	12.50%	40	20.83%	104	54.17%	88	45.83%	192
2001	1	0.37%	34	12.55%	1	0.37%	31	11.44%	39	14.39%	106	39.11%	165	60.89%	271
2002	1	0.30%	42	12.73%	1	0.30%	44	13.33%	39	11.82%	127	38.48%	203	61.52%	330
2003	2	0.57%	49	14.00%	1	0.29%	34	9.71%	38	10.86%	124	35.43%	226	64.57%	350
2004	3	0.76%	34	8.65%	5	1.27%	37	9.41%	53	13.49%	132	33.59%	261	66.41%	393
2005	6	2.22%	19	7.04%	1	0.37%	28	10.37%	35	12.96%	89	32.96%	181	67.04%	270
2006	1	0.38%	18	6.90%	4	1.53%	19	7.28%	44	16.86%	86	32.95%	175	67.05%	261
2007	0	0.00%	0	0.00%	0	0.00%	16	9.36%	8	4.68%	24	14.04%	147	85.96%	171
<b>Total Contracts</b>	22	0.98%	225	10.05%	16	0.71%	233	10.41%	296	13.23%	792	35.39%	1,446	64.61%	2,238

Source: ODOT Subcontract Approval Forms for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Subcontracts.



**EXHIBIT 4-24  
REGION 1  
UNIQUE CONSTRUCTION SUBCONTRACTORS  
UTILIZED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	
2000	3	4.84%	4	6.45%	2	3.23%	3	4.84%	15	24.19%	27	43.55%	35	56.45%	62
2001	1	1.30%	3	3.90%	1	1.30%	5	6.49%	16	20.78%	26	33.77%	51	66.23%	77
2002	1	1.37%	3	4.11%	1	1.37%	6	8.22%	12	16.44%	23	31.51%	50	68.49%	73
2003	1	1.15%	6	6.90%	1	1.15%	3	3.45%	16	18.39%	27	31.03%	60	68.97%	87
2004	3	2.34%	4	3.13%	3	2.34%	3	2.34%	24	18.75%	37	28.91%	91	71.09%	128
2005	2	2.25%	2	2.25%	1	1.12%	4	4.49%	12	13.48%	21	23.60%	68	76.40%	89
2006	1	1.28%	4	5.13%	2	2.56%	3	3.85%	15	19.23%	25	32.05%	53	67.95%	78
2007	0	0.00%	0	0.00%	0	0.00%	3	5.77%	2	3.85%	5	9.62%	47	90.38%	52
<b>Individual Firms Over Eight Years</b> <sup>2</sup>	6	1.86%	9	2.80%	7	2.17%	10	3.11%	45	13.98%	77	23.91%	245	76.09%	322

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Total Unique Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the total unique firms for the entire study period may not equal the sum of all years.

**4.2.3 Availability**

The availability of construction firms in Region 1 is derived from ODOT'S prime bidder's list. **Exhibit 4-25** shows the available construction prime bidders that were located in Region 1. Of the 77 available construction firms, 60 were nonminority firms. The availability of subcontractor bidders in the construction business category is shown in **Exhibit 4-26** for Region 1. Of 377 available subcontractor bidders, 139 were minorities and 238 were nonminorities.

**EXHIBIT 4-25  
REGION 1  
AVAILABILITY OF PRIME CONSTRUCTION BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	5	6.49%	1	1.30%	2	2.60%	9	11.69%	17	22.08%	60	77.92%	77

Source: ODOT's Prime Bidder's List.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**EXHIBIT 4-26  
REGION 1  
AVAILABILITY OF CONSTRUCTION SUBCONTRACT BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	20	5.31%	18	4.77%	16	4.24%	9	2.39%	76	20.16%	139	36.87%	238	63.13%	377

Source: ODOT's Sub Bidder's List.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

### **4.3 Region 2 - Construction Analysis**

This section presents the Region 2 market area analysis for construction contract awards, and the utilization and availability analysis of minorities and nonminorities as construction contractors.

#### **4.3.1 Relevant Market Area Analysis**

The data showed that ODOT spent over \$1.2 billion on construction contracts during the study period in Region 2. Overall, 364 contracts were awarded to 56 individual firms. **Exhibit 4-27** shows the location of firms awarded construction contracts by the respective firms' county of domicile and federal dollar amount within Region 2.

The counties in Region 2 that make up the relevant market area for construction contract awards consist of Marion County, Lane County, Linn County, Benton County, Yamhill County, Clatsop County, Polk County, Lincoln County, and Tillamook County. The construction contracts that were analyzed from ODOT's Region 2 are shown in **Appendix C**.

#### **4.3.2 Utilization Analysis**

**Exhibit 4-28** presents the utilization analysis of construction prime contractors in ODOT's Region 2. Minorities received 5 percent (\$65.7 million) of the federal construction contract dollars awarded to contractors in Region 2. Nonminority women were the more successful minority group, acquiring 7 percent (\$45.8 million) of the construction contracts awarded during the eight-year study period. Next, in order of level of success, Hispanics with 1.5 percent of the construction contract awards. Nonminorities were the most successful in receiving construction contract dollars for all eight years of the study period within Region 2. African Americans and Native Americans did not receive any of the federal construction dollars in Region 2.

**EXHIBIT 4-27  
REGION 2  
CONSTRUCTION  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

County, State	# of Contracts	% of Contracts	# of Firms	% of Firms	Federal Dollars	% of Dollars	Cum% <sup>2</sup>
MARION, OR	146	40.11%	20	35.71%	\$266,009,991.91	20.79%	20.79%
LANE, OR	81	22.25%	17	30.36%	\$547,540,453.82	42.80%	63.60%
LINN, OR	51	14.01%	5	8.93%	\$76,015,187.65	5.94%	69.54%
BENTON, OR	4	1.10%	4	7.14%	\$39,319,074.00	3.07%	72.61%
YAMHILL, OR	49	13.46%	3	5.36%	\$261,423,052.07	20.44%	93.05%
CLATSOP, OR	3	0.82%	3	5.36%	\$4,693,699.00	0.37%	93.42%
POLK, OR	22	6.04%	2	3.57%	\$76,807,520.00	6.00%	99.42%
LINCOLN, OR	6	1.65%	1	1.79%	\$6,254,661.00	0.49%	99.91%
TILLAMOOK, OR	2	0.55%	1	1.79%	\$1,139,377.00	0.09%	100.00%
<b>Total</b>	<b>364</b>	<b>100.00%</b>	<b>56</b>	<b>100.00%</b>	<b>\$1,279,203,016.45</b>	<b>100.00%</b>	

Source: Oregon Department of Transportation.

<sup>1</sup> Cumulative total of percent of federal dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**EXHIBIT 4-28  
REGION 2  
CONSTRUCTION CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$3,923,770	3.53%	\$3,923,770	3.53%	\$107,321,335	96.47%	\$111,245,105
2001	\$0	0.00%	\$1,073,316	0.84%	\$0	0.00%	\$0	0.00%	\$4,546,008	3.57%	\$5,619,324	4.41%	\$121,713,937	95.59%	\$127,333,261
2002	\$0	0.00%	\$571,725	0.41%	\$0	0.00%	\$0	0.00%	\$2,771,797	2.01%	\$3,343,522	2.43%	\$134,533,531	97.57%	\$137,877,053
2003	\$0	0.00%	\$446,402	0.30%	\$0	0.00%	\$0	0.00%	\$7,527,697	5.14%	\$7,974,099	5.45%	\$138,410,020	94.55%	\$146,384,119
2004	\$0	0.00%	\$11,961,890	5.89%	\$1,006,766	0.50%	\$0	0.00%	\$11,777,131	5.80%	\$24,745,787	12.19%	\$178,317,523	87.81%	\$203,063,310
2005	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$4,147,632	2.96%	\$4,147,632	2.96%	\$136,161,604	97.04%	\$140,309,236
2006	\$0	0.00%	\$4,764,995	1.52%	\$0	0.00%	\$0	0.00%	\$5,039,684	1.60%	\$9,804,679	3.12%	\$304,662,134	96.88%	\$314,466,813
2007	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$6,102,866	6.19%	\$6,102,866	6.19%	\$92,421,253	93.81%	\$98,524,119
<b>Total</b>	\$0	0.00%	\$18,818,328	1.47%	\$1,006,766	0.08%	\$0	0.00%	\$45,836,585	3.58%	\$65,661,679	5.13%	\$1,213,541,337	94.87%	\$1,279,203,016

Source: MGT developed a purchase order and vendor database for the Oregon Department of Transportation for the period of October 1, 1999, through September 30, 2007.

**Exhibits 4-29** and **4-30** show the utilization by the number of contracts and the number of construction contractors used during the study period in Region 2. In **Exhibit 4-29**, we show that nonminorities were more successful than minorities during the study period in winning construction contracts from ODOT in Region 2. Minorities received 9 percent of ODOT's construction contracts with firms owned by nonminority women receiving over 6 percent of the number of contracts let during the study period. **Exhibit 4-30** shows the distribution of construction prime level contractors that performed work for ODOT in Region 2. Eighty-nine percent of the firms were nonminority-owned accounting for 50 of the 56 firms utilized by ODOT in Region 2.

MGT further analyzed the utilization of minority construction firms by examining construction awards in specific dollar ranges. The established ranges were:

- contracts \$1,000,000 and under;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

**EXHIBIT 4-29  
REGION 2  
PRIME CONSTRUCTION CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	7.14%	4	7.14%	52	92.86%	56
2001	0	0.00%	2	3.92%	0	0.00%	0	0.00%	1	1.96%	3	5.88%	48	94.12%	51
2002	0	0.00%	1	1.61%	0	0.00%	0	0.00%	4	6.45%	5	8.06%	57	91.94%	62
2003	0	0.00%	1	1.96%	0	0.00%	0	0.00%	4	7.84%	5	9.80%	46	90.20%	51
2004	0	0.00%	3	5.56%	1	1.85%	0	0.00%	5	9.26%	9	16.67%	45	83.33%	54
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	8.11%	3	8.11%	34	91.89%	37
2006	0	0.00%	2	5.71%	0	0.00%	0	0.00%	1	2.86%	3	8.57%	32	91.43%	35
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	5.56%	1	5.56%	17	94.44%	18
<b>Total Contracts</b>	0	0.00%	9	2.47%	1	0.27%	0	0.00%	23	6.32%	33	9.07%	331	90.93%	364

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.



**EXHIBIT 4-30  
REGION 2  
PRIME CONSTRUCTION CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	5.56%	1	5.56%	17	94.44%	18
2001	0	0.00%	1	4.55%	0	0.00%	0	0.00%	1	4.55%	2	9.09%	20	90.91%	22
2002	0	0.00%	1	4.35%	0	0.00%	0	0.00%	2	8.70%	3	13.04%	20	86.96%	23
2003	0	0.00%	1	4.17%	0	0.00%	0	0.00%	1	4.17%	2	8.33%	22	91.67%	24
2004	0	0.00%	1	4.76%	1	4.76%	0	0.00%	2	9.52%	4	19.05%	17	80.95%	21
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	10.00%	2	10.00%	18	90.00%	20
2006	0	0.00%	1	6.67%	0	0.00%	0	0.00%	1	6.67%	2	13.33%	13	86.67%	15
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	6.67%	1	6.67%	14	93.33%	15
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	1	1.79%	1	1.79%	0	0.00%	4	7.14%	6	10.71%	50	89.29%	56

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.

**Threshold Analysis**

**Exhibit 4-31** presents the threshold analysis for construction contracts awarded by ODOT during the study period in Region 2. Most contract award amounts by ODOT were less than or equal to \$1 million. ODOT awarded 167 contracts in this category, out of a total 364 contracts (46 percent).

Nonminorities received no less than 90 percent of the construction contracts throughout the study period. Among minorities, firms owned by nonminority women were generally the most utilized in comparison to firms owned by any other minority group.

**Exhibit 4-32** presents a graphical representation of the threshold analysis of the utilization of minorities as construction firms during the study period in Region 2. As mentioned earlier, we noted a concentration of contracts awarded in the “less than or equal to \$1,000,000” category. **Exhibit 4-33** shows the threshold distribution based on dollars awarded in the respective categories. Minority participation decreased as the dollar ranges increased.

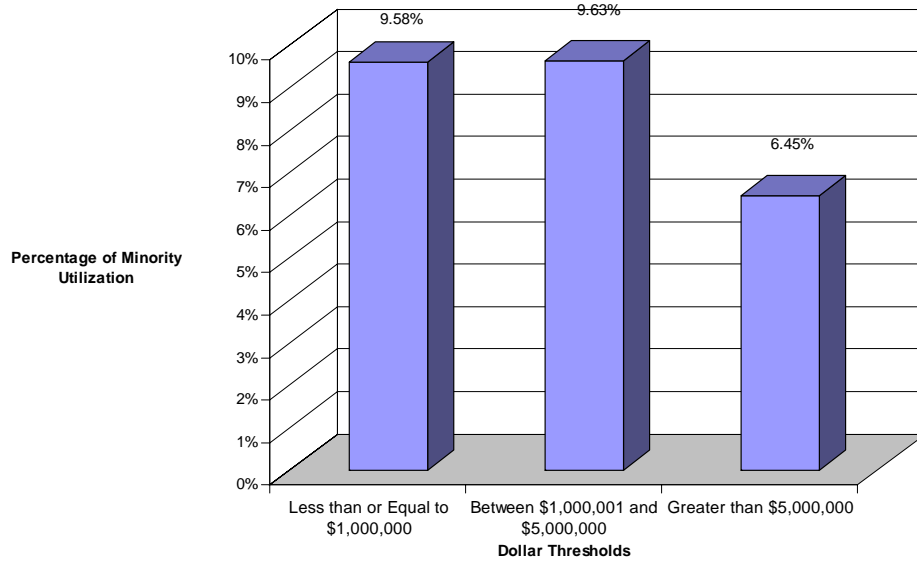
**EXHIBIT 4-31  
REGION 2  
PRIME CONSTRUCTION CONTRACT AWARDS  
BY DOLLARS AWARDED THRESHOLD  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	0	0.00%	5	2.99%	0	0.00%	0	0.00%	11	6.59%	16	9.58%	151	90.42%	167
Between \$1,000,001 and \$5 million	0	0.00%	3	2.22%	1	0.74%	0	0.00%	9	6.67%	13	9.63%	122	90.37%	135
Greater than \$5 million	0	0.00%	1	1.61%	0	0.00%	0	0.00%	3	4.84%	4	6.45%	58	93.55%	62
<b>Total</b>	0	0.00%	9	2.47%	1	0.27%	0	0.00%	23	6.32%	33	9.07%	331	90.93%	364

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

**EXHIBIT 4-32  
REGION 2  
UTILIZATION OF MINORITY CONSTRUCTION CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

**EXHIBIT 4-33  
REGION 2  
CONSTRUCTION CONTRACT AWARDS  
BY DOLLARS AWARDED THRESHOLD  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$0	0.00%	\$2,830,311	3.64%	\$0	0.00%	\$0	0.00%	\$5,937,705	7.63%	\$8,768,016	11.27%	\$69,005,909	88.73%	\$77,773,925
Between \$1,000,001 and \$5 million	\$0	0.00%	\$7,858,719	2.39%	\$1,006,766	0.31%	\$0	0.00%	\$22,973,726	6.98%	\$31,839,211	9.68%	\$297,206,634	90.32%	\$329,045,845
Greater than \$5 million	\$0	0.00%	\$8,129,298	0.93%	\$0	0.00%	\$0	0.00%	\$16,925,154	1.94%	\$25,054,452	2.87%	\$847,328,794	97.13%	\$872,383,247
<b>Total</b>	\$0	0.00%	\$18,818,328	1.47%	\$1,006,766	0.08%	\$0	0.00%	\$45,836,585	3.58%	\$65,661,679	5.13%	\$1,213,541,337	94.87%	\$1,279,203,016

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**Subcontractor Analysis**

**Exhibit 4-34** shows the analysis of subcontractor awards during the study period for the construction business category in Region 2. The subcontractor data show that nonminority-owned subcontractors were utilized on most of ODOT construction projects, participating in almost 65 percent of the subcontracting opportunities. Minorities accounted for 35 percent of the subcontract level participation with nonminority women receiving most of the work. African American firms had no participation for all years of the study.

**Exhibits 4-35** and **4-36** show that 1,651 subcontracting contracts were let to 278 subcontractors during the study period in Region 2. This analysis is based on the subcontractor data received from ODOT.

**EXHIBIT 4-34  
REGION 2  
UTILIZATION OF CONSTRUCTION SUBCONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Federal Dollars Awarded <sup>2</sup>
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	%	\$	% <sup>1</sup>	\$
2000	\$0.00	0.00%	\$1,025,893.00	7.84%	\$27,575.00	0.21%	\$0.00	0.00%	\$3,430,069.00	26.23%	\$4,483,537.00	34.28%	\$8,593,795.00	65.72%	\$13,077,332.00
2001	\$0.00	0.00%	\$660,074.00	2.65%	\$1,187,852.00	4.76%	\$1,357,038.00	5.44%	\$2,006,921.00	48.16%	\$5,211,885.00	61.01%	\$9,721,174.00	38.99%	\$24,933,059.00
2002	\$0.00	0.00%	\$1,220,438.00	6.41%	\$38,091.00	0.20%	\$252,184.00	1.33%	\$4,471,389.00	23.49%	\$5,982,102.00	31.43%	\$13,050,507.00	68.57%	\$19,032,609.00
2003	\$0.00	0.00%	\$509,053.00	2.26%	\$341,362.00	1.52%	\$4,200.00	0.02%	\$6,169,981.00	27.41%	\$7,024,596.00	31.21%	\$15,485,297.00	68.79%	\$22,509,893.00
2004	\$0.00	0.00%	\$1,700,896.00	3.27%	\$1,026,747.00	1.98%	\$1,128,280.00	2.17%	\$13,035,003.00	25.09%	\$16,890,926.00	32.51%	\$35,065,232.00	67.49%	\$51,956,158.00
2005	\$0.00	0.00%	\$1,799,229.00	5.15%	\$351,963.00	1.01%	\$86,540.00	0.25%	\$18,638,974.00	53.37%	\$20,876,706.00	59.77%	\$44,050,596.00	40.23%	\$34,927,302.00
2006	\$0.00	0.00%	\$2,711,683.00	4.09%	\$606,355.00	0.92%	\$992,680.00	1.50%	\$11,538,014.00	17.42%	\$15,848,732.00	23.93%	\$50,376,517.00	76.07%	\$66,225,249.00
2007	\$0.00	0.00%	\$302,956.00	1.02%	\$1,051,122.12	3.53%	\$0.00	0.00%	\$5,222,532.50	17.56%	\$6,576,610.62	22.11%	\$23,165,876.03	77.89%	\$29,742,486.65
<b>Total</b>	\$0.00	0.00%	\$9,930,222.00	3.78%	\$4,631,067.12	1.76%	\$3,820,922.00	1.46%	\$74,512,883.50	28.40%	\$92,895,094.62	35.40%	\$169,508,994.03	64.60%	\$262,404,088.65

Source: Oregon Department of Transportation.

**EXHIBIT 4-35  
REGION 2  
NUMBER OF CONSTRUCTION SUBCONTRACTS AWARDED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	
2000	0	0.00%	3	2.19%	2	1.46%	0	0.00%	47	34.31%	52	37.96%	85	62.04%	137
2001	0	0.00%	7	3.47%	3	1.49%	21	10.40%	63	31.19%	94	46.53%	108	53.47%	202
2002	0	0.00%	16	6.08%	7	2.66%	6	2.28%	90	34.22%	119	45.25%	144	54.75%	263
2003	0	0.00%	8	3.39%	3	1.27%	1	0.42%	66	27.97%	78	33.05%	158	66.95%	236
2004	0	0.00%	17	5.88%	11	3.81%	8	2.77%	75	25.95%	111	38.41%	178	61.59%	289
2005	0	0.00%	12	6.09%	3	1.52%	4	2.03%	41	20.81%	60	30.46%	137	69.54%	197
2006	0	0.00%	14	7.57%	7	3.78%	4	2.16%	51	27.57%	76	41.08%	109	58.92%	185
2007	0	0.00%	4	2.82%	1	0.70%	0	0.00%	20	14.08%	25	17.61%	117	82.39%	142
<b>Total Contracts</b>	0	0.00%	81	4.91%	37	2.24%	44	2.67%	453	27.44%	615	37.25%	1,036	62.75%	1,651

Source: ODOT Subcontract Approval Forms for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Subcontracts.



**EXHIBIT 4-36  
REGION 2  
UNIQUE CONSTRUCTION SUBCONTRACTORS  
UTILIZED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	
2000	0	0.00%	2	3.33%	1	1.67%	0	0.00%	11	18.33%	14	23.33%	46	76.67%	60
2001	0	0.00%	3	4.41%	2	2.94%	2	2.94%	11	16.18%	18	26.47%	50	73.53%	68
2002	0	0.00%	5	5.10%	2	2.04%	2	2.04%	17	17.35%	26	26.53%	72	73.47%	98
2003	0	0.00%	3	3.41%	3	3.41%	1	1.14%	16	18.18%	23	26.14%	65	73.86%	88
2004	0	0.00%	2	2.17%	4	4.35%	1	1.09%	17	18.48%	24	26.09%	68	73.91%	92
2005	0	0.00%	4	5.00%	3	3.75%	3	3.75%	11	13.75%	21	26.25%	59	73.75%	80
2006	0	0.00%	4	6.06%	3	4.55%	2	3.03%	10	15.15%	19	28.79%	47	71.21%	66
2007	0	0.00%	1	1.75%	1	1.75%	0	0.00%	6	10.53%	8	14.04%	49	85.96%	57
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	8	2.88%	5	1.80%	5	1.80%	32	11.51%	50	17.99%	228	82.01%	278

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Total Unique Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the total unique firms for the entire study period may not equal the sum of all years.

**4.3.4 Availability**

The availability of construction firms in Region 2 was derived from ODOT’S prime bidder’s list. **Exhibit 4-37** shows the available construction bidders that are located in Region 2. Of the 43 available construction firms, 12 were minority firms. The availability of subcontractors in the construction business category is shown in **Exhibit 4-38**, of 288 available subcontractors, 69 were minorities.

**EXHIBIT 4-37  
REGION 2  
AVAILABILITY OF PRIME CONSTRUCTION BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	1	2.33%	1	2.33%	1	2.33%	9	20.93%	12	27.91%	31	72.09%	43

Source: ODOT’s Prime Bidder’s List.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**EXHIBIT 4-38  
REGION 2  
AVAILABILITY OF CONSTRUCTION SUBCONTRACT BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	10	3.47%	5	1.74%	9	3.13%	45	15.63%	69	23.96%	219	76.04%	288

Source: ODOT’s Sub Bidder’s List.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**4.4 Region 3 - Construction Analysis**

This section presents the Region 3 market area analysis for construction contract awards, and the utilization and availability analysis of minorities and nonminorities as construction contractors.

#### **4.4.1 Relevant Market Area Analysis**

The data showed that ODOT spent over \$221 million on construction contracts during the study period in Region 3. Overall, 103 contracts were awarded to 25 individual firms. **Exhibit 4-39** shows the location of firms awarded construction contracts by the respective firms' county of domicile and dollar amount within Region 3.

The counties in Region 3's relevant market area for construction contract awards consist of Douglas County, Jackson County, Coos County, Josephine County, and Curry County. The construction contracts that were analyzed from ODOT's Region 3 are shown in **Appendix D**.

#### **4.2.2 Utilization Analysis**

**Exhibit 4-40** presents the utilization analysis of construction prime contractors in ODOT's Region 3 relevant market area. Minorities received less than 1 percent (\$1.6 million) of the federal construction contract dollars awarded to contractors in Region 3. Nonminority women were the more successful minority group, securing .62 percent (\$1.4 million) of the construction contracts awarded during the eight-year study period. Next, in order of level of success, Native Americans with .11 percent of the construction contract awards. As a group, nonminorities were the most successful in receiving construction contract dollars for all eight years of the study period within Region 3. African-American, Hispanic-American, and Asian-American firms were not utilized.

**EXHIBIT 4-39  
REGION 3  
CONSTRUCTION  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

<b>County, State</b>	<b># of Contracts</b>	<b>% of Contracts</b>	<b># of Firms</b>	<b>% of Firms</b>	<b>Federal Dollars</b>	<b>% of Dollars</b>	<b>Cum%<sup>2</sup></b>
DOUGLAS, OR	25	24.27%	8	32.00%	\$70,293,971.00	31.75%	31.75%
JACKSON, OR	38	36.89%	8	32.00%	\$48,313,471.67	21.82%	53.56%
COOS, OR	16	15.53%	5	20.00%	\$47,923,591.76	21.64%	75.21% <sup>1</sup>
JOSEPHINE, OR	9	8.74%	3	12.00%	\$9,487,185.98	4.28%	79.49%
CURRY, OR	15	14.56%	1	4.00%	\$45,410,418.75	20.51%	100.00%
<b>Total</b>	<b>103</b>	<b>100.00%</b>	<b>25</b>	<b>100.00%</b>	<b>\$221,428,639.16</b>	<b>100.00%</b>	

Source: Oregon Department of Transportation.

<sup>1</sup> Cumulative total of percent of federal dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**EXHIBIT 4-40  
REGION 3  
CONSTRUCTION CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$14,111,446	100.00%	\$14,111,446
2001	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$234,898	0.44%	\$0	0.00%	\$234,898	0.44%	\$53,719,781	99.56%	\$53,954,679
2002	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$219,046	1.08%	\$219,046	1.08%	\$20,050,558	98.92%	\$20,269,604
2003	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$19,675,291	100.00%	\$19,675,291
2004	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$32,616,716	100.00%	\$32,616,716
2005	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$20,722,480	100.00%	\$20,722,480
2006	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$8,693,855	100.00%	\$8,693,855
2007	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,143,085	2.22%	\$1,143,085	2.22%	\$50,241,484	97.78%	\$51,384,568
<b>Total</b>	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$234,898	0.11%	\$1,362,131	0.62%	\$1,597,029	0.72%	\$219,831,611	99.28%	\$221,428,639

Source: MGT developed a purchase order and vendor database for the Oregon Department of Transportation for the period of October 1, 1999, through September 30, 2007.

**Exhibits 4-41** and **4-42** show the utilization by the number of contracts and the number of construction contractors used during the study period in Region 3. In **Exhibit 4-41**, we show that nonminorities were more successful than minorities during the study period in winning construction contracts from ODOT in Region 3. Minorities received 3 percent of ODOT's construction contracts with two nonminority women- and one Native American-owned firm represented during the study period. **Exhibit 4-42** shows the distribution of construction prime level contractors that performed work for ODOT in Region 3. Eighty-eight percent of the firms were nonminority-owned accounting for 22 of the 25 firms utilized by ODOT in Region 3.

MGT further analyzed the utilization of minority construction firms by examining construction awards in specific dollar ranges. The established ranges were:

- contracts \$1,000,000 and under;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

**EXHIBIT 4-41  
REGION 3  
PRIME CONSTRUCTION CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	13	100.00%	13
2001	0	0.00%	0	0.00%	0	0.00%	1	5.56%	0	0.00%	1	5.56%	17	94.44%	18
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	5.00%	1	5.00%	19	95.00%	20
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	17	100.00%	17
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	7	100.00%	7
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	15	100.00%	15
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	100.00%	5
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	12.50%	1	12.50%	7	87.50%	8
<b>Total Contracts</b>	0	0.00%	0	0.00%	0	0.00%	1	0.97%	2	1.94%	3	2.91%	100	97.09%	103

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.

**EXHIBIT 4-42  
REGION 3  
PRIME CONSTRUCTION CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	11	100.00%	11
2001	0	0.00%	0	0.00%	0	0.00%	1	9.09%	0	0.00%	1	9.09%	10	90.91%	11
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	14.29%	1	14.29%	6	85.71%	7
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	7	100.00%	7
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	7	100.00%	7
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	14.29%	1	14.29%	6	85.71%	7
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	0	0.00%	0	0.00%	1	4.00%	2	8.00%	3	12.00%	22	88.00%	25

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.



**Threshold Analysis**

**Exhibit 4-43** presents the threshold analysis for construction contracts awarded by ODOT during the study period in Region 3. Most contract award amounts by ODOT were less than or equal to \$1 million. ODOT awarded 55 contracts in this category, out of a total 103 contracts (53 percent).

Nonminorities received no less than 96 percent of the construction contracts throughout the study period.

**Exhibit 4-44** presents a graphical representation of the threshold analysis of the utilization of minorities as construction firms during the study period in Region 3. There was a concentration of contracts awarded in the less than or equal to \$1 million category. **Exhibit 4-45** shows the threshold distribution based on dollars awarded in the respective categories. There was no minority participation in the greater than \$5 million category.

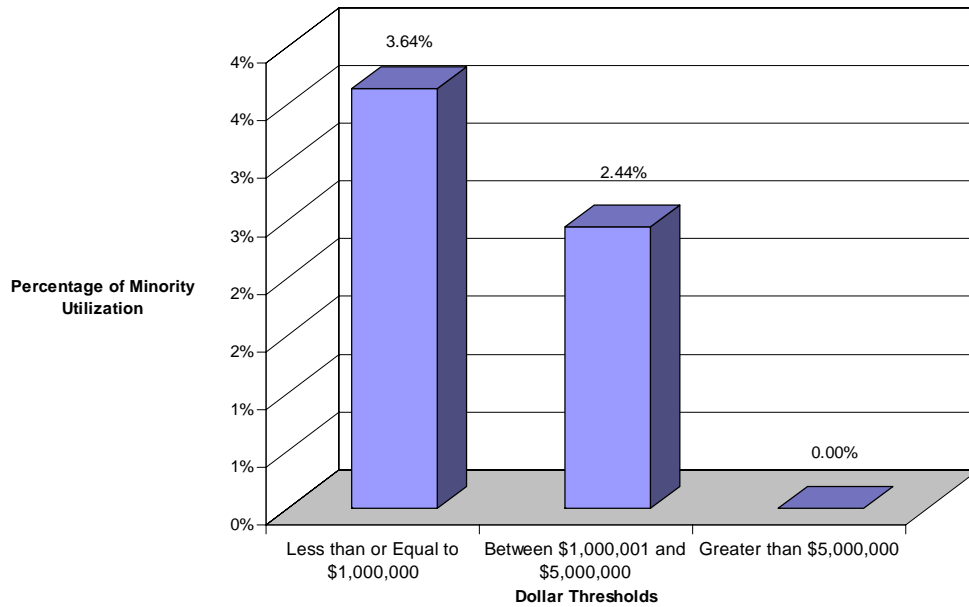
**EXHIBIT 4-43  
REGION 3  
PRIME CONSTRUCTION CONTRACT AWARDS  
BY DOLLARS AWARDED THRESHOLD  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	0	0.00%	0	0.00%	0	0.00%	1	1.82%	1	1.82%	2	3.64%	53	96.36%	55
Between \$1,000,001 and \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	2.44%	1	2.44%	40	97.56%	41
Greater than \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	7	100.00%	7
<b>Total</b>	0	0.00%	0	0.00%	0	0.00%	1	0.97%	2	1.94%	3	2.91%	100	97.09%	103

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

**EXHIBIT 4-44**  
**REGION 3**  
**UTILIZATION OF MINORITY CONSTRUCTION CONTRACTORS**  
**WITHIN THRESHOLD DOLLAR RANGES**  
**OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

**EXHIBIT 4-45  
REGION 3  
CONSTRUCTION CONTRACT AWARDS  
BY DOLLARS AWARDED THRESHOLD  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$234,898	1.13%	\$219,046	1.06%	\$453,944	2.19%	\$20,305,564	97.81%	\$20,759,508
Between \$1,000,001 and \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,143,085	1.12%	\$1,143,085	1.12%	\$100,589,602	98.88%	\$101,732,686
Greater than \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$98,936,445	100.00%	\$98,936,445
<b>Total</b>	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$234,898	0.11%	\$1,362,131	0.62%	\$1,597,029	0.72%	\$219,831,611	99.28%	\$221,428,639

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**Subcontractor Analysis**

**Exhibit 4-46** shows the analysis of subcontractor awards during the study period for the construction business category in Region 3. The subcontractor data show that nonminority-owned subcontractors were utilized on the majority of ODOT construction projects, participating in 75 percent of the subcontracting opportunities. Minorities accounted for 25 percent of the subcontract level participation with most of the work going to nonminority women firms (17 percent).

**Exhibits 4-47** and **4-48** show that 770 subcontracting contracts were let to 135 subcontractors during the study period in Region 3. This analysis is based on the subcontractor database provided by ODOT. The conclusion to be drawn from the available data on subcontractor dollars and the number of subcontracts is that minorities generally participated in less than 20 percent of ODOT's construction opportunities.

**EXHIBIT 4-46  
REGION 3  
UTILIZATION OF CONSTRUCTION SUBCONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Federal Dollars Awarded <sup>2</sup>
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	%	\$	% <sup>1</sup>	\$
2000	\$0.00	0.00%	\$374,200.00	6.48%	\$32,977.00	0.57%	\$66,635.00	1.15%	\$1,665,251.00	28.83%	\$2,139,063.00	37.03%	\$3,637,123.00	62.97%	\$5,776,186.00
2001	\$0.00	0.00%	\$0.00	0.00%	\$210,695.00	1.03%	\$231,667.00	1.13%	\$2,326,591.00	11.38%	\$2,768,953.00	13.55%	\$17,671,588.83	86.45%	\$20,440,541.83
2002	\$0.00	0.00%	\$153,238.00	1.12%	\$81,348.00	0.60%	\$371,281.00	2.72%	\$3,004,044.00	22.03%	\$3,609,911.00	26.47%	\$10,026,557.00	73.53%	\$13,636,468.00
2003	\$0.00	0.00%	\$1,860,366.00	17.39%	\$318,733.00	0.30%	\$723,226.00	6.76%	\$2,406,944.00	22.50%	\$5,022,409.00	46.95%	\$5,675,439.00	53.05%	\$10,697,848.00
2004	\$0.00	0.00%	\$211,860.00	1.85%	\$137,490.00	1.20%	\$736,107.00	6.42%	\$2,621,400.00	22.87%	\$3,706,857.00	32.34%	\$7,756,178.00	67.66%	\$11,463,035.00
2005	\$249,763.00	1.66%	\$1,473,263.00	9.78%	\$8,600.00	0.06%	\$197,613.00	13.12%	\$3,523,206.00	23.40%	\$7,230,969.00	48.02%	\$7,827,799.00	51.98%	\$15,058,768.00
2006	\$0.00	0.00%	\$66,900.00	0.20%	\$106,522.00	0.31%	\$336,849.00	0.99%	\$3,132,847.00	9.25%	\$3,643,188.00	10.76%	\$30,229,973.00	89.24%	\$33,873,091.00
2007	\$0.00	0.00%	\$0.00	0.00%	\$9,960.00	0.18%	\$360,485.50	6.64%	\$1,034,296.80	19.05%	\$1,404,742.30	25.88%	\$4,023,405.87	74.12%	\$5,428,148.17
<b>Total</b>	<b>\$249,763.00</b>	<b>0.21%</b>	<b>\$4,139,827.00</b>	<b>3.56%</b>	<b>\$619,465.00</b>	<b>0.53%</b>	<b>\$4,802,387.50</b>	<b>4.13%</b>	<b>\$19,714,579.80</b>	<b>16.94%</b>	<b>\$29,526,022.30</b>	<b>25.37%</b>	<b>\$86,848,063.70</b>	<b>74.63%</b>	<b>\$116,374,086.00</b>

Source: Oregon Department of Transportation.

**EXHIBIT 4-47  
REGION 3  
NUMBER OF CONSTRUCTION SUBCONTRACTS AWARDED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	0	0.00%	4	4.88%	4	4.88%	8	9.76%	25	30.49%	41	50.00%	41	50.00%	82
2001	0	0.00%	0	0.00%	9	9.57%	17	18.09%	25	26.60%	51	54.26%	43	45.74%	94
2002	0	0.00%	2	1.32%	9	5.92%	23	15.13%	39	25.66%	73	48.03%	79	51.97%	152
2003	0	0.00%	5	3.97%	5	3.97%	23	18.25%	29	23.02%	62	49.21%	64	50.79%	126
2004	0	0.00%	1	0.89%	7	6.25%	20	17.86%	23	20.54%	51	45.54%	61	54.46%	112
2005	1	0.98%	4	3.92%	2	1.96%	15	14.71%	26	25.49%	48	47.06%	54	52.94%	102
2006	0	0.00%	2	3.85%	6	11.54%	10	19.23%	12	23.08%	30	57.69%	22	42.31%	52
2007	0	0.00%	0	0.00%	2	4.00%	8	16.00%	13	26.00%	23	46.00%	27	54.00%	50
<b>Total Contracts</b>	<b>1</b>	<b>0.13%</b>	<b>18</b>	<b>2.34%</b>	<b>44</b>	<b>5.71%</b>	<b>124</b>	<b>16.10%</b>	<b>192</b>	<b>24.94%</b>	<b>379</b>	<b>49.22%</b>	<b>391</b>	<b>50.78%</b>	<b>770</b>

Source: ODOT Subcontract Approval Forms for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Subcontracts.

**EXHIBIT 4-48  
REGION 3  
UNIQUE CONSTRUCTION SUBCONTRACTORS  
UTILIZED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	
2000	0	0.00%	1	3.03%	1	3.03%	1	3.03%	8	24.24%	11	33.33%	22	66.67%	33
2001	0	0.00%	0	0.00%	1	2.33%	2	4.65%	6	13.95%	9	20.93%	34	79.07%	43
2002	0	0.00%	1	2.27%	1	2.27%	3	6.82%	6	13.64%	11	25.00%	33	75.00%	44
2003	0	0.00%	2	4.55%	1	2.27%	3	6.82%	6	13.64%	12	27.27%	32	72.73%	44
2004	0	0.00%	1	2.63%	1	2.63%	2	5.26%	7	18.42%	11	28.95%	27	71.05%	38
2005	1	2.27%	3	6.82%	1	2.27%	3	6.82%	6	13.64%	14	31.82%	30	68.18%	44
2006	0	0.00%	2	8.33%	1	4.17%	1	4.17%	4	16.67%	8	33.33%	16	66.67%	24
2007	0	0.00%	0	0.00%	1	4.55%	1	4.55%	4	18.18%	6	27.27%	16	72.73%	22
<b>Individual Firms Over Eight Years<sup>2</sup></b>	<b>1</b>	<b>0.74%</b>	<b>4</b>	<b>2.96%</b>	<b>1</b>	<b>0.74%</b>	<b>6</b>	<b>4.44%</b>	<b>10</b>	<b>7.41%</b>	<b>22</b>	<b>16.30%</b>	<b>113</b>	<b>83.70%</b>	<b>135</b>

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Total Unique Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the total unique firms for the entire study period may not equal the sum of all years.



**4.4.5 Availability**

The availability of construction firms is derived from ODOT'S prime bidder's list. **Exhibit 4-49** shows the available construction contractors that are located in the relevant market area for Region 3. Of the 28 available construction firms, 6 were minority-owned and 22 were nonminority-owned. The availability of subcontractors in the construction business category is shown in **Exhibit 4-50**. Of the 126 available subcontractors, 31 were minority-owned.

**EXHIBIT 4-49  
REGION 3  
AVAILABILITY OF PRIME CONSTRUCTION BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	1	3.57%	0	0.00%	1	3.57%	4	14.29%	6	21.43%	22	78.57%	28

Source: ODOT's Prime Bidder's List.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**EXHIBIT 4-50  
REGION 3  
AVAILABILITY OF CONSTRUCTION SUBCONTRACT BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	1	0.79%	3	2.38%	1	0.79%	5	3.97%	21	16.67%	31	24.60%	95	75.40%	126

Source: ODOT'S Sub Bidder's List.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**4.5 Region 4 - Construction Analysis**

This section presents Region 4 relevant market area analysis for construction contract awards, and the utilization and availability analysis of minorities and nonminorities as construction contractors.

**4.5.1 Relevant Market Area Analysis**

The data showed that ODOT spent over \$103 million on construction contracts during the study period in Region 4. Overall, 85 contracts were awarded to 15 individual firms. **Exhibit 4-51** shows the location of firms awarded construction contracts by the respective firms' county of domicile and dollar amount within Region 4.

The counties in Region 4's market area for construction contract awards consist of Deschutes County, Klamath County, and Wasco County. The construction contracts that were analyzed from ODOT's Region 4 are shown in **Appendix E**.

**4.5.2 Utilization Analysis**

**Exhibit 4-52** presents the utilization analysis of construction prime contractors in ODOT's Region 4 relevant market area. Minorities received 1.6 percent (\$1.6 million) of the construction contract dollars awarded to contractors in Region 4. Firms owned by nonminority women were the only successful minority group during the eight-year study period. Nonminority-owned firms received 98.4 percent of the construction contract dollars for all eight years of the study period in Region 4.

**EXHIBIT 4-51  
REGION 4  
CONSTRUCTION  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

County, State	# of Contracts	% of Contracts	# of Firms	% of Firms	Federal Dollars	% of Dollars	Cum% <sup>2</sup>
DESCHUTES, OR	75	88.24%	13	86.67%	\$92,618,243.42	89.91%	89.91%
KLAMATH, OR	6	7.06%	1	6.67%	\$8,936,750.00	8.68%	98.58%
WASCO, OR	4	4.71%	1	6.67%	\$1,457,980.00	1.42%	100.00%
<b>Total</b>	85	100.00%	15	100.00%	\$103,012,973.42	100.00%	

Source: Oregon Department of Transportation.

<sup>1</sup> Cumulative total of percent of federal dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**EXHIBIT 4-52  
REGION 4  
CONSTRUCTION CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$5,990,037	100.00%	\$5,990,037
2001	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$443,570	4.70%	\$443,570	4.70%	\$8,996,406	95.30%	\$9,439,976
2002	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$211,287	1.80%	\$211,287	1.80%	\$11,499,854	98.20%	\$11,711,141
2003	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$19,972,913	100.00%	\$19,972,913
2004	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$13,393,978	100.00%	\$13,393,978
2005	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$262,440	4.37%	\$262,440	4.37%	\$5,748,753	95.63%	\$6,011,193
2006	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$15,151,848	100.00%	\$15,151,848
2007	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$692,779	3.25%	\$692,779	3.25%	\$20,649,108	96.75%	\$21,341,887
<b>Total</b>	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,610,076	1.56%	\$1,610,076	1.56%	\$101,402,897	98.44%	\$103,012,973

Source: MGT developed a purchase order and vendor database for the Oregon Department of Transportation for the period of October 1, 1999, through September 30, 2007.

**Exhibits 4-53** and **4-54** show the utilization by the number of contracts and the number of construction contractors used during the study period in Region 4. In **Exhibit 4-53**, we show that nonminorities were more successful than minorities during the study period in winning construction contracts from ODOT in Region 4. Minorities received 6 percent of ODOT's construction contracts with firms owned by nonminority women receiving all 5 of the contracts let to minorities during the study period. **Exhibit 4-54** shows the distribution of construction prime-level contractors that performed work for ODOT. Eighty-seven percent of the firms were nonminority-owned, accounting for 13 of the 15 firms utilized by ODOT in Region 4.

MGT further analyzed the utilization of minority construction firms by examining construction awards in specific dollar ranges. The established ranges were:

- contracts \$1,000,000 and under;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

**EXHIBIT 4-53  
REGION 4  
PRIME CONSTRUCTION CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	9	100.00%	9
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	15.38%	2	15.38%	11	84.62%	13
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	5.26%	1	5.26%	18	94.74%	19
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	16	100.00%	16
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	12	100.00%	12
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	25.00%	1	25.00%	3	75.00%	4
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	100.00%	5
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	14.29%	1	14.29%	6	85.71%	7
<b>Total Contracts</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	5.88%	5	5.88%	80	94.12%	85

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.

**EXHIBIT 4-54  
REGION 4  
PRIME CONSTRUCTION CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	7	100.00%	7
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	28.57%	2	28.57%	5	71.43%	7
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	11.11%	1	11.11%	8	88.89%	9
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	8	100.00%	8
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	6	100.00%	6
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	33.33%	1	33.33%	2	66.67%	3
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	100.00%	5
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	16.67%	1	16.67%	5	83.33%	6
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	13.33%	2	13.33%	13	86.67%	15

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.

**Threshold Analysis**

**Exhibit 4-55** presents the threshold analysis for construction contracts awarded by ODOT during the study period in Region 4. Most contract award amounts by ODOT were less than or equal to \$1 million. ODOT awarded 49 contracts in this category, out of a total 85 contracts (58 percent).

Nonminorities received no less than 90 percent of the construction contracts throughout the study period. Among minorities, firms owned by nonminority women were the only group utilized.

**Exhibit 4-56** presents a graphical representation of the threshold analysis of the utilization of minorities as construction firms during the study period in Region 4. We noted a concentration of contracts awarded in the less than or equal to \$1 million category. **Exhibit 4-57** shows the threshold distribution based on dollars awarded in the respective categories.

**EXHIBIT 4-55  
REGION 4  
PRIME CONSTRUCTION CONTRACT AWARDS  
BY DOLLARS AWARDED THRESHOLD  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

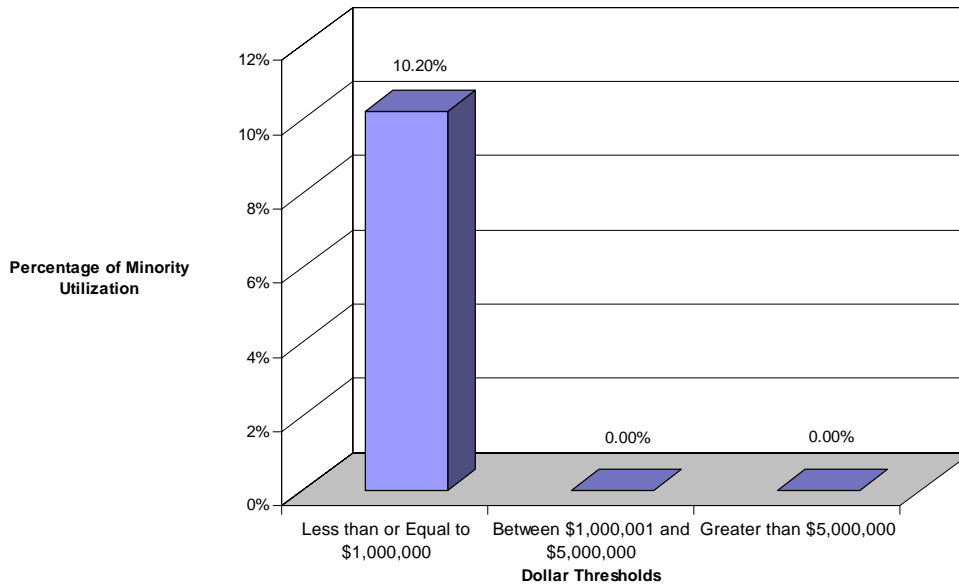
Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	10.20%	5	10.20%	44	89.80%	49
Between \$1,000,001 and \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	35	100.00%	35
Greater than \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	100.00%	1
<b>Total</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	5.88%	5	5.88%	80	94.12%	85

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.



**EXHIBIT 4-56  
REGION 4  
UTILIZATION OF MINORITY CONSTRUCTION CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

**EXHIBIT 4-57  
REGION 4  
CONSTRUCTION CONTRACT AWARDS  
BY DOLLARS AWARDED THRESHOLD  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,610,076	8.78%	\$1,610,076	8.78%	\$16,736,681	91.22%	\$18,346,757
Between \$1,000,001 and \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$76,393,547	100.00%	\$76,393,547
Greater than \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$8,272,669	100.00%	\$8,272,669
<b>Total</b>	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,610,076	1.56%	\$1,610,076	1.56%	\$101,402,897	98.44%	\$103,012,973

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**Subcontractor Analysis**

**Exhibit 4-58** shows the analysis of subcontractor awards during the study period for the construction business category in Region 4. The subcontractor data show that nonminority-owned subcontractors were utilized on 56 percent of ODOT construction projects, receiving over \$30 million of the subcontracting opportunities. Minorities accounted for 44 percent of the subcontract level participation with most of the work going to nonminority women firms. Next in succession were Native American- and Hispanic American-owned firms. African American- and Asian American-owned firms were not utilized.

**Exhibits 4-59** and **4-60** show that 378 subcontracting contracts were let to 81 subcontractors during the study period in Region 4. This analysis is based on the subcontractor database provided by ODOT. Of the 378 subcontracts let, minority-owned received 191 (51 percent). Also, of the 81 unique firms, 14 were minority-owned.

**EXHIBIT 4-58  
REGION 4  
UTILIZATION OF CONSTRUCTION SUBCONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Federal Dollars Awarded <sup>2</sup>
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	%	\$	% <sup>1</sup>	\$
2000	\$0.00	0.00%	\$16,000.00	0.46%	\$0.00	0.00%	\$220,180.00	6.31%	\$1532,948.00	43.91%	\$1769,128.00	50.67%	\$1722,031.00	49.33%	\$3,491,159.00
2001	\$0.00	0.00%	\$238,550.00	6.40%	\$0.00	0.00%	\$0.00	0.00%	\$2,187,759.00	58.72%	\$2,426,309.00	65.12%	\$1,299,604.00	34.88%	\$3,725,913.00
2002	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$1,661,901.00	34.63%	\$1,661,901.00	34.63%	\$3,137,106.00	65.37%	\$4,799,007.00
2003	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$2,248,103.00	36.49%	\$2,248,103.00	36.49%	\$3,912,110.00	63.51%	\$6,160,213.00
2004	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$206,163.00	1.92%	\$2,673,906.00	24.96%	\$2,880,069.00	26.88%	\$7,833,198.00	73.12%	\$10,713,267.00
2005	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$2,375,667.00	33.70%	\$2,375,667.00	33.70%	\$4,674,210.00	66.30%	\$7,049,877.00
2006	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$9,073,778.00	80.94%	\$9,073,778.00	80.94%	\$2,137,057.00	19.06%	\$11,210,835.00
2007	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$1,092,035.20	16.24%	\$1,092,035.20	16.24%	\$5,630,620.20	83.76%	\$6,722,655.40
<b>Total</b>	\$0.00	0.00%	\$254,550.00	0.47%	\$0.00	0.00%	\$426,343.00	0.79%	\$22,846,097.20	42.41%	\$23,526,990.20	43.67%	\$30,345,936.20	56.33%	\$53,872,926.40

Source: Oregon Department of Transportation.

**EXHIBIT 4-59  
REGION 4  
NUMBER OF CONSTRUCTION SUBCONTRACTS AWARDED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	0	0.00%	1	2.33%	0	0.00%	3	6.98%	19	44.19%	23	53.49%	20	46.51%	43
2001	0	0.00%	3	5.26%	0	0.00%	0	0.00%	33	57.89%	36	63.16%	21	36.84%	57
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	29	45.31%	29	45.31%	35	54.69%	64
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	22	42.31%	22	42.31%	30	57.69%	52
2004	0	0.00%	0	0.00%	0	0.00%	1	1.33%	39	52.00%	40	53.33%	35	46.67%	75
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	21	53.85%	21	53.85%	18	46.15%	39
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	8	47.06%	8	47.06%	9	52.94%	17
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	12	38.71%	12	38.71%	19	61.29%	31
<b>Total Contracts</b>	0	0.00%	4	1.06%	0	0.00%	4	1.06%	183	48.41%	191	50.53%	187	49.47%	378

Source: ODOT Subcontract Approval Forms for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Subcontracts.

**EXHIBIT 4-60  
REGION 4  
UNIQUE CONSTRUCTION SUBCONTRACTORS  
UTILIZED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	0	0.00%	1	4.76%	0	0.00%	1	4.76%	5	23.81%	7	33.33%	14	66.67%	21
2001	0	0.00%	1	5.00%	0	0.00%	0	0.00%	6	30.00%	7	35.00%	13	65.00%	20
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	7	24.14%	7	24.14%	22	75.86%	29
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	13.64%	3	13.64%	19	86.36%	22
2004	0	0.00%	0	0.00%	0	0.00%	1	3.45%	5	17.24%	6	20.69%	23	79.31%	29
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	25.00%	4	25.00%	12	75.00%	16
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	25.00%	2	25.00%	6	75.00%	8
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	13.33%	2	13.33%	13	86.67%	15
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	1	1.23%	0	0.00%	2	2.47%	11	13.58%	14	17.28%	67	82.72%	81

Sources: Oregon Department of Transportation

<sup>1</sup> Percent of Total Contracts.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Total Unique Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the total unique firms for the entire study period may not equal the sum of all years.

**4.5.6 Availability**

The availability of construction firms is derived from ODOT'S prime bidder's list. **Exhibit 4-61** shows the available construction contractors that are located in the relevant market area for Region 4. Of the 13 available construction firms, 3 were minority-owned firms and 10 were nonminority-owned. The availability of subcontractors in the construction business category is shown in **Exhibit 4-62**. Out of the 65 available subcontractors in Region 4, 18 were minority-owned.

**EXHIBIT 4-61  
REGION 4  
AVAILABILITY OF PRIME CONSTRUCTION BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	23.08%	3	23.08%	10	76.92%	13

Source: ODOT's Prime Bidder's List.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**EXHIBIT 4-62  
REGION 4  
AVAILABILITY OF CONSTRUCTION SUBCONTRACT BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	1	1.54%	2	3.08%	2	3.08%	13	20.00%	18	27.69%	47	72.31%	65

Source: ODOT'S Sub Bidder's List.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

#### **4.6 Region 5 - Construction Analysis**

This section presents Region 5's relevant market area analysis for construction contract awards, and the utilization and availability analysis of minorities and nonminorities as construction contractors.

##### **4.6.1 Relevant Market Area Analysis**

The data showed that ODOT spent \$38.7 million on construction contracts during the study period. Overall, 36 contracts were awarded to 12 individual firms. **Exhibit 4-63** shows the location of firms awarded construction contracts by the respective firms' county of domicile and dollar amount in Region 5.

The counties in Region 5's relevant market area for construction contract awards consist of Union County, Umatilla County, Harney County, and Grant County. The construction contracts that were analyzed from ODOT's Region 5 are shown in **Appendix F**.

##### **4.6.2 Utilization Analysis**

**Exhibit 4-64** presents the utilization analysis of construction prime contractors in ODOT's Region 5 relevant market area. Minorities received 5 percent (\$1.8 million) of the federal construction contract dollars awarded to contractors in Region 5. One firm owned by a nonminority woman was the only successful minority group, securing 5 percent (\$1.8 million) of the construction contracts awarded during the eight-year study period. Overall, nonminorities were the most successful in receiving construction contract dollars for all eight years of the study period, receiving 95 percent of the dollars awarded.



**EXHIBIT 4-63  
REGION 5  
CONSTRUCTION  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

<b>County, State</b>	<b># of Contracts</b>	<b>% of Contracts</b>	<b># of Firms</b>	<b>% of Firms</b>	<b>Federal Dollars</b>	<b>% of Dollars</b>	<b>Cum%<sup>2</sup></b>
UNION, OR	26	72.22%	7	58.33%	\$33,648,673.55	87.00%	87.00% <sup>1</sup>
UMATILLA, OR	6	16.67%	3	25.00%	\$2,779,373.00	7.19%	94.18%
HARNEY, OR	2	5.56%	1	8.33%	\$1,415,988.00	3.66%	97.84%
GRANT, OR	2	5.56%	1	8.33%	\$834,458.00	2.16%	100.00%
<b>Total</b>	<b>36</b>	<b>100.00%</b>	<b>12</b>	<b>100.00%</b>	<b>\$38,678,492.55</b>	<b>100.00%</b>	

Source: Oregon Department of Transportation.

<sup>1</sup> Cumulative total of percent of federal dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**EXHIBIT 4-64  
REGION 5  
CONSTRUCTION CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$2,822,275	100.00%	\$2,822,275
2001	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$5,188,962	100.00%	\$5,188,962
2002	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$2,353,516	100.00%	\$2,353,516
2003	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,421,453	100.00%	\$1,421,453
2004	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$744,225	6.44%	\$744,225	6.44%	\$10,815,329	93.56%	\$11,559,554
2005	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,533,011	100.00%	\$1,533,011
2006	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,052,302	10.15%	\$1,052,302	10.15%	\$9,314,474	89.85%	\$10,366,776
2007	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$3,432,946	100.00%	\$3,432,946
<b>Total</b>	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,796,527	4.64%	\$1,796,527	4.64%	\$36,881,966	95.36%	\$38,678,493

Source: MGT developed a purchase order and vendor database for the Oregon Department of Transportation for the period of October 1, 1999, through September 30, 2007.

**Exhibits 4-65** and **4-66** show the utilization by the number of contracts and the number of construction contractors used during the study period in Region 5. In **Exhibit 4-65**, we show that nonminorities were more successful than minorities during the study period in winning construction contracts from ODOT in Region 5. Minorities received 6 percent of ODOT's construction contracts, with firms owned by nonminority women receiving all contracts let to minorities during the study period. **Exhibit 4-66** shows the distribution of construction prime-level contractors that performed work for ODOT. Ninety-two percent of the firms were nonminority-owned, accounting for 11 of the 12 firms utilized by ODOT in Region 5.

MGT further analyzed the utilization of minority construction firms by examining construction awards in specific dollar ranges. The established ranges were:

- contracts \$1,000,000 and under;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

**EXHIBIT 4-65  
REGION 5  
PRIME CONSTRUCTION CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	6	100.00%	6
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	6	100.00%	6
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	100.00%	5
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	14.29%	1	14.29%	6	85.71%	7
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	25.00%	1	25.00%	3	75.00%	4
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2
<b>Total Contracts</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	5.56%	2	5.56%	34	94.44%	36

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.

**EXHIBIT 4-66  
REGION 5  
PRIME CONSTRUCTION CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	100.00%	4
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	100.00%	4
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	25.00%	1	25.00%	3	75.00%	4
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	33.33%	1	33.33%	2	66.67%	3
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	8.33%	1	8.33%	11	91.67%	12

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.

**Threshold Analysis**

**Exhibit 4-67** presents the threshold analysis for construction contracts awarded by ODOT during the study period in Region 5. Most contract award amounts by ODOT were less than or equal to \$1 million. ODOT awarded 30 contracts in this category, out of a total 36 contracts (83 percent).

Nonminorities received no less than 75 percent of the construction contracts throughout the study period. Among minorities, firms owned by nonminority women were the only ones utilized.

**Exhibit 4-68** presents a graphical representation of the threshold analysis of the utilization of minorities as construction firms during the study period in Region 5. **Exhibit 4-69** shows the threshold distribution based on dollars awarded in the respective categories.

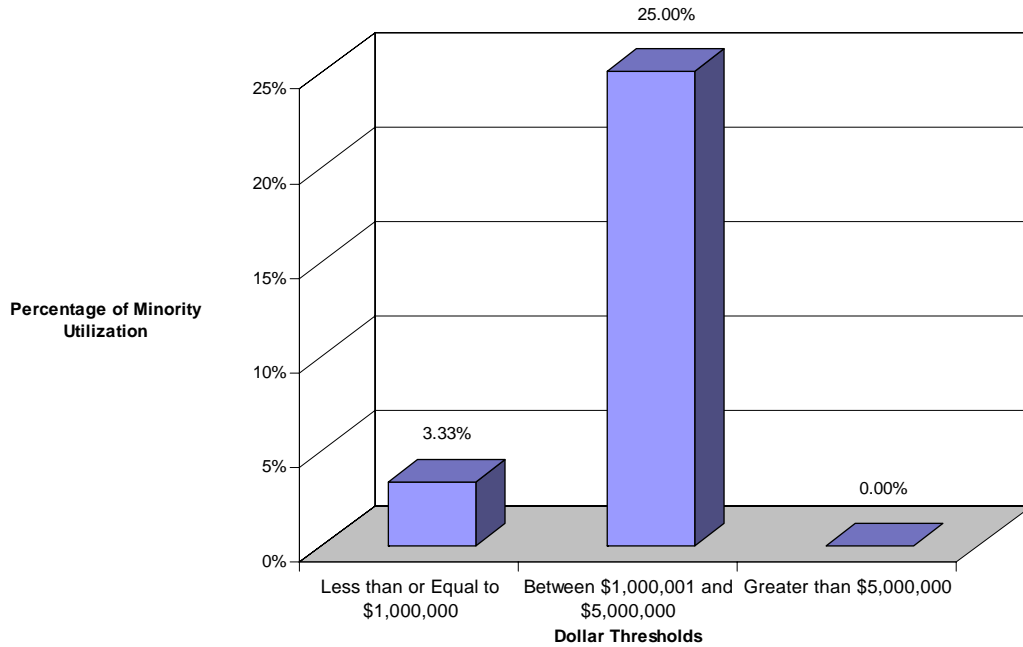
**EXHIBIT 4-67  
REGION 5  
PRIME CONSTRUCTION CONTRACT AWARDS  
BY DOLLARS AWARDED THRESHOLD  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$100,000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	3.33%	1	3.33%	29	96.67%	30
Between \$100,001 and \$1 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	25.00%	1	25.00%	3	75.00%	4
Greater than \$1 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2
<b>Total</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	5.56%	2	5.56%	34	94.44%	36

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

**EXHIBIT 4-68  
REGION 5  
UTILIZATION OF MINORITY CONSTRUCTION CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.



**EXHIBIT 4-69  
REGION 5  
CONSTRUCTION CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$744,225	5.34%	\$744,225	5.34%	\$13,179,633	94.66%	\$13,923,858
Between \$1,000,001 and \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,052,302	13.71%	\$1,052,302	13.71%	\$6,622,184	86.29%	\$7,674,486
Greater than \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$17,080,149	100.00%	\$17,080,149
<b>Total</b>	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,796,527	4.64%	\$1,796,527	4.64%	\$36,881,966	95.36%	\$38,678,493

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**Subcontractor Analysis**

**Exhibit 4-70** shows the analysis of subcontractor awards during the study period for the construction business category in Region 5. The subcontractor data show that minority subcontractors were utilized more on ODOT construction projects, participating in over 61 percent of the subcontracting opportunities. Nonminorities accounted for 39 percent of the subcontract-level participation. Most of the minority participation was in the nonminority women group. Native Americans received \$4.3 million (23 percent) and Hispanic Americans received \$1.2 million (6.5 percent).

**Exhibits 4-71** and **4-72** show that 271 subcontracting contracts were let to 67 subcontractors during the study period in Region 5. This analysis is based on the subcontractor data provided by ODOT.

**EXHIBIT 4-70  
REGION 5  
UTILIZATION OF CONSTRUCTION SUBCONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Federal Dollars Awarded <sup>2</sup>
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	%	\$	% <sup>1</sup>	\$
2000	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$749,450.00	56.75%	\$749,450.00	56.75%	\$571,117.00	43.25%	\$1,320,567.00
2001	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$324,670.00	64.10%	\$324,670.00	64.10%	\$181,860.00	35.90%	\$506,530.00
2002	\$0.00	0.00%	\$44,888.00	2.07%	\$0.00	0.00%	\$1,471,991.00	67.81%	\$57,015.00	2.63%	\$1,573,894.00	72.50%	\$596,937.00	27.50%	\$2,170,831.00
2003	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$1,017,733.00	27.46%	\$721,421.00	19.46%	\$1,739,154.00	46.92%	\$1,967,568.00	53.08%	\$3,706,722.00
2004	\$0.00	0.00%	\$262,220.00	4.29%	\$0.00	0.00%	\$1,817,378.00	29.75%	\$2,747,940.00	44.99%	\$4,827,538.00	79.03%	\$1,280,687.00	20.97%	\$6,108,225.00
2005	\$0.00	0.00%	\$282,907.00	16.71%	\$0.00	0.00%	\$0.00	0.00%	\$386,187.00	22.81%	\$669,094.00	39.52%	\$1,024,117.00	60.48%	\$1,693,211.00
2006	\$0.00	0.00%	\$205,837.00	23.39%	\$0.00	0.00%	\$0.00	0.00%	\$459,321.00	52.19%	\$665,158.00	75.58%	\$214,906.00	24.42%	\$880,064.00
2007	\$0.00	0.00%	\$447,410.43	16.47%	\$0.00	0.00%	\$0.00	0.00%	\$744,620.75	27.40%	\$1,192,031.18	43.87%	\$1,525,072.00	56.13%	\$2,717,103.18
<b>Total</b>	\$0.00	0.00%	\$1,243,262.43	6.51%	\$0.00	0.00%	\$4,307,102.00	22.55%	\$6,190,624.75	32.41%	\$11,740,989.18	61.46%	\$7,362,264.00	38.54%	\$19,103,253.18

Source: Oregon Department of Transportation.

**EXHIBIT 4-71  
REGION 5  
NUMBER OF CONSTRUCTION SUBCONTRACTS AWARDED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	8	34.78%	8	34.78%	15	65.22%	23
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	7	29.17%	7	29.17%	17	70.83%	24
2002	0	0.00%	2	5.88%	0	0.00%	13	38.24%	3	8.82%	18	52.94%	16	47.06%	34
2003	0	0.00%	0	0.00%	0	0.00%	12	24.49%	8	16.33%	20	40.82%	29	59.18%	49
2004	0	0.00%	1	1.69%	0	0.00%	17	28.81%	16	27.12%	34	57.63%	25	42.37%	59
2005	0	0.00%	5	17.24%	0	0.00%	0	0.00%	7	24.14%	12	41.38%	17	58.62%	29
2006	0	0.00%	2	14.29%	0	0.00%	0	0.00%	7	50.00%	9	64.29%	5	35.71%	14
2007	0	0.00%	6	15.38%	0	0.00%	0	0.00%	7	17.95%	13	33.33%	26	66.67%	39
<b>Total Contracts</b>	0	0.00%	16	5.90%	0	0.00%	42	15.50%	63	23.25%	121	44.65%	150	55.35%	271

Source: ODOT Subcontract Approval Forms for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Subcontracts.

**EXHIBIT 4-72  
REGION 5  
UNIQUE CONSTRUCTION SUBCONTRACTORS  
UTILIZED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	28.57%	2	28.57%	5	71.43%	7
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	28.57%	4	28.57%	10	71.43%	14
2002	0	0.00%	2	13.33%	0	0.00%	1	6.67%	2	13.33%	5	33.33%	10	66.67%	15
2003	0	0.00%	0	0.00%	0	0.00%	1	4.00%	3	12.00%	4	16.00%	21	84.00%	25
2004	0	0.00%	1	4.76%	0	0.00%	1	4.76%	7	33.33%	9	42.86%	12	57.14%	21
2005	0	0.00%	1	7.14%	0	0.00%	0	0.00%	3	21.43%	4	28.57%	10	71.43%	14
2006	0	0.00%	1	14.29%	0	0.00%	0	0.00%	3	42.86%	4	57.14%	3	42.86%	7
2007	0	0.00%	1	6.25%	0	0.00%	0	0.00%	1	6.25%	2	12.50%	14	87.50%	16
<b>Individual Firms Over Eight Years</b> <sup>2</sup>	0	0.00%	2	2.99%	0	0.00%	1	1.49%	9	13.43%	12	17.91%	55	82.09%	67

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of Total Contracts.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Total Unique Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the total unique firms for the entire study period may not equal the sum of all years.

**4.6.6 Availability**

The availability of construction firms is derived from ODOT'S prime bidder's list. **Exhibit 4-73** shows the available construction contractors that are located in the relevant market area for Region 5. Of the 21 available construction firms, 3 were nonminority women-owned. The availability of subcontractors in the construction business category is shown in **Exhibit 4-74**. Of the 65 available subcontractors in Region 5, 15 were minority-owned and 50 were nonminority-owned.

**EXHIBIT 4-73  
REGION 5  
AVAILABILITY OF PRIME CONSTRUCTION BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	14.29%	3	14.29%	18	85.71%	21

Source: ODOT's Prime Bidder's List.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**EXHIBIT 4-74  
REGION 5  
AVAILABILITY OF CONSTRUCTION SUBCONTRACT BIDDERS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	1	1.54%	0	0.00%	1	1.54%	13	20.00%	15	23.08%	50	76.92%	65

Source: ODOT'S Sub Bidder's List.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

#### **4.7 Summary**

This section contains the results of our analysis of the relevant market areas and utilization and availability of firms for the statewide federal construction projects, as well as Regions 1, 2, 3, 4, and 5 based on contract data. In summary, minorities were utilized as prime contractors on 6 percent of ODOT's statewide construction contracts. On statewide construction contracts minorities experienced a higher level of participation on construction contracts less than or equal to \$1 million. The data showed that as the contract dollar amount increased to amounts greater than \$1 million, the level of minority participation decreased significantly. Among minorities, nonminority women-owned firms were most utilized followed by Hispanic American-owned firms based on dollar value of contracts awarded on statewide projects. Our analysis showed the following levels of minority availability for construction prime bidders within the state of Oregon:

- African Americans                      0.0%
- Hispanic Americans                    3.3%
- Asian Americans                        0.9%
- Native Americans                      1.9%
- Women                                      13.1%

Based on the dollars confirmed by ODOT's subcontractors database, minorities accounted for 40 percent of subcontracts awarded on ODOT statewide federal projects. However, the analysis showed minority participation at 37 percent. The availability of minority construction subcontractor based on data from ODOT's sub bidder list is as follows:

- African Americans                      2.3%
- Hispanic Americans                    3.6%
- Asian Americans                        2.6%
- Native Americans                      2.8%
- Women                                      18.2%



Our analysis of the procurement activity for Region 1 showed that minorities received 13 percent of the prime-level contractor dollar awards. Native American-owned firms were the most utilized minority business owner group, accounting for 6 percent of the federal contract dollars. Region 1 minority prime bidder availability was as follows:

**Prime Bidder**

■ African Americans	0.0%
■ Hispanic Americans	6.5%
■ Asian Americans	1.3%
■ Native Americans	2.6%
■ Women	11.7%

**Subbidder Bidder**

■ African Americans	5.3%
■ Hispanic Americans	4.8%
■ Asian Americans	4.2%
■ Native Americans	2.4%
■ Women	20.2%

In Region 2, nonminorities were utilized on 95 percent of the construction contracts let by ODOT. Minorities received 5 percent. There was no participation by African American- or Asian American-owned firms. The results of the availability of Region 2 firms are as follows:

**Prime Bidder**

■ African Americans	0.0%
■ Hispanic Americans	2.3%
■ Asian Americans	2.3%
■ Native Americans	2.3%
■ Women	20.9%

**Subbidder Bidder**

■ African Americans	0.0%
■ Hispanic Americans	3.5%
■ Asian Americans	1.7%
■ Native Americans	3.1%
■ Women	15.6%

In Region 3, nonminorities received almost 100 percent of contracts let by ODOT. Nonminority women-owned firms received slightly less than 1 percent. They were the only minority group used. The summary of the availability of firms in Region 2 is as follows:

**Prime Bidder**

■ African Americans	0.0%
■ Hispanic Americans	3.6%
■ Asian Americans	0.0%
■ Native Americans	3.6%
■ Women	14.3%

**Subbidder Bidder**

■ African Americans	0.8%
■ Hispanic Americans	2.4%
■ Asian Americans	0.8%
■ Native Americans	4.0%
■ Women	16.7%

In Region 4, nonminorities received 98 percent of construction contracts let by ODOT. Nonminority women firms were the only minority group used, receiving 2 percent. The summary of the availability of firms is as follows:

**Prime Bidder**

■ African Americans	0.0%
■ Hispanic Americans	0.0%
■ Asian Americans	0.0%
■ Native Americans	0.0%
■ Women	23.1%

**Subbidder Bidder**

■ African Americans	0.0%
■ Hispanic Americans	1.5%
■ Asian Americans	3.1%
■ Native Americans	3.1%
■ Women	20.0%

In Region 5, nonminorities received 95 percent of construction contracts let by ODOT, while minorities received 5 percent. Nonminority women were the only utilized minority group and the only minority group available. The results of availability of firms available in Region 5 are as follows:

**Prime Bidder**

■ African Americans	0.0%
■ Hispanic Americans	0.0%
■ Asian Americans	0.0%
■ Native Americans	0.0%
■ Women	14.3%

**Subbidder Bidder**

■ African Americans	0.0%
■ Hispanic Americans	1.5%
■ Asian Americans	0.0%
■ Native Americans	1.5%
■ Women	20.0%

#### **4.8 Statewide - Construction-Related Professional Services Analysis**

This section presents our analysis of ODOT's statewide market area for the construction-related and professional services business category, and the utilization and availability of firms.

##### **4.8.1 Relevant Market Area Analysis**

ODOT spent over \$1 billion on construction-related professional services projects during the study period, and used 556 firms on 3,064 contracts. The average federal construction-related professional services contract overall was \$407,000. **Exhibit 4-75** shows the location of all firms used in the analysis of construction-related professional services contracts, by county and federal dollar amount. The statewide market area for the construction-related professional services business category consisted of all counties in the state of Oregon, as shown in **Exhibit 4-75**. The construction contracts that were analyzed are shown in **Appendix G**.

**EXHIBIT 4-75  
STATEWIDE  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

County, State	# of Contracts	% of Contracts	# of Firms	% of Firms	Federal Dollars	% of Dollars	Cum% <sup>2</sup>
MULTNOMAH, OR	1,407	45.92%	241	43.35%	\$654,071,359.44	52.43%	52.43%
MARION, OR	336	10.97%	96	17.27%	\$150,129,191.39	12.03%	64.46%
LANE, OR	310	10.12%	47	8.45%	\$133,954,209.54	10.74%	75.20%
WASHINGTON, OR	134	4.37%	30	5.40%	\$13,654,266.30	1.09%	76.29%
DESCHUTES, OR	427	13.94%	27	4.86%	\$173,931,852.16	13.94%	90.23%
CLACKAMAS, OR	35	1.14%	16	2.88%	\$7,730,678.00	0.62%	90.85%
DOUGLAS, OR	37	1.21%	16	2.88%	\$2,728,573.20	0.22%	91.07%
UNION, OR	36	1.17%	13	2.34%	\$4,425,589.21	0.35%	91.43%
JACKSON, OR	38	1.24%	9	1.62%	\$9,851,142.50	0.79%	92.22%
CLATSOP, OR	16	0.52%	8	1.44%	\$2,282,259.71	0.18%	92.40%
COOS, OR	21	0.69%	7	1.26%	\$2,939,855.90	0.24%	92.63%
BENTON, OR	155	5.06%	6	1.08%	\$73,123,017.11	5.86%	98.50%
JOSEPHINE, OR	12	0.39%	5	0.90%	\$2,299,849.99	0.18%	98.68%
UMATILLA, OR	8	0.26%	5	0.90%	\$404,775.00	0.03%	98.71%
LINN, OR	20	0.65%	4	0.72%	\$4,196,680.45	0.34%	99.05%
CURRY, OR	7	0.23%	3	0.54%	\$1,382,356.56	0.11%	99.16%
POLK, OR	4	0.13%	3	0.54%	\$473,495.00	0.04%	99.20%
WASCO, OR	3	0.10%	3	0.54%	\$162,929.00	0.01%	99.21%
YAMHILL, OR	19	0.62%	2	0.36%	\$1,628,786.86	0.13%	99.34%
KLAMATH, OR	2	0.07%	2	0.36%	\$1,098,638.00	0.09%	99.43%
LINCOLN, OR	5	0.16%	2	0.36%	\$1,028,038.68	0.08%	99.51%
GRANT, OR	4	0.13%	2	0.36%	\$205,320.50	0.02%	99.53%
WALLOWA, OR	2	0.07%	2	0.36%	\$124,433.00	0.01%	99.54%
HARNEY, OR	5	0.16%	1	0.18%	\$3,015,199.00	0.24%	99.78%
BEND, OR	13	0.42%	1	0.18%	\$1,455,711.00	0.12%	99.90%
COLUMBIA, OR	3	0.10%	1	0.18%	\$650,899.70	0.05%	99.95%
TILLAMOOK, OR	2	0.07%	1	0.18%	\$600,000.00	0.05%	100.00%
BAKER, OR	1	0.03%	1	0.18%	\$33,900.00	0.00%	100.00%
MALHEUR, OR	1	0.03%	1	0.18%	\$5,000.00	0.00%	100.00%
HOOD RIVER, OR	1	0.03%	1	0.18%	\$1,500.00	0.00%	100.00%
<b>Total</b>	<b>3,064</b>	<b>100.00%</b>	<b>556</b>	<b>100.00%</b>	<b>\$1,247,589,507.20</b>	<b>100.00%</b>	

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Cumulative total of percent of dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**4.8.2 Utilization Analysis**

For firms located in the state of Oregon, the following analyses were conducted:

- utilization analysis of all minority and nonminority prime consultants by year for the study period; and
- utilization analysis of the number of federal contracts awarded and the individual firms awarded those contracts, according to race/ethnicity/gender classifications.

The utilization analysis of construction-related professional services consultants in the state of Oregon area is shown in **Exhibit 4-76**. Minorities were awarded 4 percent of the total federal dollars expended statewide by ODOT during the review period. Among minorities, firms owned by nonminority women were most utilized receiving \$21.6 million, or 2 percent of the total amount awarded for federal construction-related professional services projects. Nonminorities were most successful in winning contracts for all years during the study period.

**EXHIBIT 4-76  
STATEWIDE  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$515,397	0.70%	\$93,300	0.13%	\$520,761	0.71%	\$23,500	0.03%	\$1,578,383	2.16%	\$2,731,341	3.73%	\$70,432,856	96.27%	\$73,164,197
2001	\$110,940	0.24%	\$228,845	0.49%	\$132,569	0.29%	\$286,807	0.62%	\$887,656	1.91%	\$1,646,817	3.55%	\$44,799,838	96.45%	\$46,446,655
2002	\$303,268	0.36%	\$0	0.00%	\$364,242	0.43%	\$373,590	0.44%	\$422,979	0.50%	\$1,464,079	1.74%	\$82,698,707	98.26%	\$84,162,786
2003	\$444,400	0.43%	\$69,839	0.07%	\$312,780	0.30%	\$69,020	0.07%	\$1,991,897	1.92%	\$2,887,936	2.79%	\$100,739,092	97.21%	\$103,627,028
2004	\$103,720	0.05%	\$135,841	0.06%	\$1,084,500	0.48%	\$2,407,050	1.07%	\$3,062,786	1.37%	\$6,793,897	3.03%	\$217,503,470	96.97%	\$224,297,367
2005	\$15,680	0.01%	\$38,090	0.02%	\$1,139,803	0.54%	\$617,430	0.29%	\$2,694,730	1.27%	\$4,505,733	2.13%	\$207,322,074	97.87%	\$211,827,808
2006	\$18,220	0.01%	\$15,056,639	4.67%	\$319,775	0.10%	\$43,302	0.01%	\$8,996,900	2.79%	\$24,434,836	7.58%	\$297,971,585	92.42%	\$322,406,422
2007	\$141,920	0.08%	\$86,005	0.05%	\$885,324	0.49%	\$382,599	0.21%	\$1,970,009	1.08%	\$3,465,857	1.91%	\$178,191,388	98.09%	\$181,657,245
<b>Total</b>	<b>\$1,653,545</b>	<b>0.13%</b>	<b>\$15,708,559</b>	<b>1.26%</b>	<b>\$4,759,754</b>	<b>0.38%</b>	<b>\$4,203,297</b>	<b>0.34%</b>	<b>\$21,605,341</b>	<b>1.73%</b>	<b>\$47,930,496</b>	<b>3.84%</b>	<b>\$1,199,659,011</b>	<b>96.16%</b>	<b>\$1,247,589,507</b>

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of total dollars awarded annually to prime contractors.

**Exhibits 4-77** and **4-78** show the number of statewide construction-related professional services contracts awarded and the number of firms utilized during the study period. In **Exhibit 4-77**, we show that 3,064 contracts were awarded in the state of Oregon with 89 percent of those contracts being let to nonminority-owned firms, whereas minorities received 11 percent of the contract awards—332 of the 3,064 contracts. In **Exhibit 4-78**, we show that 92 minority firms were awarded construction-related professional services projects at the prime consultant level. In comparison, 464 nonminority firms were hired during the same period.

**Threshold Analysis**

MGT analyzed the utilization of minority professional services firms by examining contracts in the specific dollar ranges shown below:

- contracts \$1,000,000 and under;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

As **Exhibit 4-79** illustrates, minorities received 11 percent of the contracts awarded in amounts less than or equal to \$1 million. As contract values increased, minority participation decreased dramatically to the extent that in the higher dollar range—contracts of \$5 million or more—minority participation dropped to 2 percent. One minority firm, owned by a Hispanic American, received a contract in the over \$5 million range of awards. Among minorities and based on percentage utilization, firms owned by nonminority women were more successful in winning construction-related professional services contracts.



**EXHIBIT 4-77  
STATEWIDE  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	11	3.31%	2	0.60%	11	3.31%	1	0.30%	21	6.33%	46	13.86%	286	86.14%	332
2001	9	2.13%	4	0.95%	19	4.49%	2	0.47%	20	4.73%	54	12.77%	369	87.23%	423
2002	11	2.80%	0	0.00%	7	1.78%	2	0.51%	16	4.07%	36	9.16%	357	90.84%	393
2003	11	3.26%	2	0.59%	6	1.78%	1	0.30%	12	3.56%	32	9.50%	305	90.50%	337
2004	2	0.40%	5	1.00%	9	1.79%	3	0.60%	25	4.98%	44	8.76%	458	91.24%	502
2005	1	0.26%	3	0.78%	3	0.78%	2	0.52%	23	5.94%	32	8.27%	355	91.73%	387
2006	2	0.68%	8	2.72%	3	1.02%	1	0.34%	18	6.12%	32	10.88%	262	89.12%	294
2007	4	1.01%	4	1.01%	6	1.52%	2	0.51%	40	10.10%	56	14.14%	340	85.86%	396
<b>Total Contracts</b>	51	1.66%	28	0.91%	64	2.09%	14	0.46%	175	5.71%	332	10.84%	2,732	89.16%	3,064

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.

**EXHIBIT 4-78  
STATEWIDE  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	3	2.48%	1	0.83%	2	1.65%	1	0.83%	10	8.26%	17	14.05%	104	85.95%	121
2001	2	1.38%	4	2.76%	2	1.38%	1	0.69%	11	7.59%	20	13.79%	125	86.21%	145
2002	3	2.26%	0	0.00%	3	2.26%	1	0.75%	8	6.02%	15	11.28%	118	88.72%	133
2003	2	1.87%	1	0.93%	2	1.87%	1	0.93%	7	6.54%	13	12.15%	94	87.85%	107
2004	2	1.26%	4	2.52%	4	2.52%	2	1.26%	11	6.92%	23	14.47%	136	85.53%	159
2005	1	0.66%	1	0.66%	3	1.99%	1	0.66%	16	10.60%	22	14.57%	129	85.43%	151
2006	2	1.55%	6	4.65%	2	1.55%	1	0.78%	11	8.53%	22	17.05%	107	82.95%	129
2007	2	1.27%	4	2.53%	4	2.53%	1	0.63%	18	11.39%	29	18.35%	129	81.65%	158
<b>Individual firms Over Eight Years<sup>2</sup></b>	7	1.26%	14	2.52%	8	1.44%	5	0.90%	58	10.43%	92	16.55%	464	83.45%	556

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.

**EXHIBIT 4-79  
STATEWIDE  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	51	1.74%	26	0.89%	64	2.19%	14	0.48%	172	5.88%	327	11.17%	2,600	88.83%	2,927
Between \$1,000,001 and \$5 million	0	0.00%	1	1.10%	0	0.00%	0	0.00%	3	3.30%	4	4.40%	87	95.60%	91
Greater than \$5 million	0	0.00%	1	2.17%	0	0.00%	0	0.00%	0	0.00%	1	2.17%	45	97.83%	46
<b>Total</b>	51	1.66%	28	0.91%	64	2.09%	14	0.46%	175	5.71%	332	10.84%	2,732	89.16%	3,064

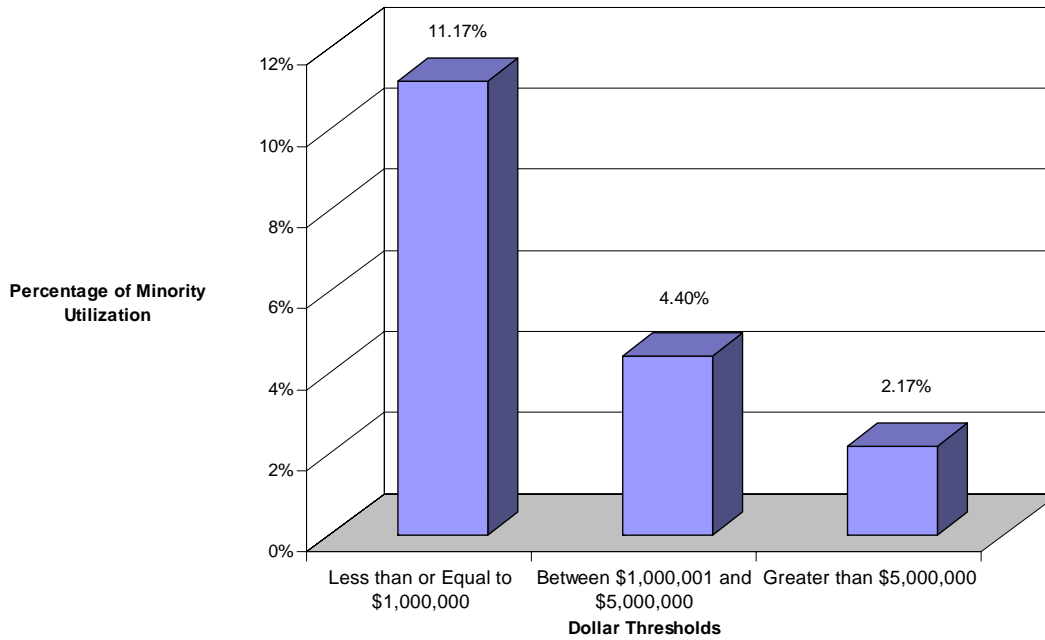
Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

The threshold analysis indicates that, based on contract awards, there was a noticeable drop in minority participation as the award amount increased. As in the construction business category, some researchers would attribute this finding to a reduced capacity of minorities to perform on larger, more complex projects. However, other factors such as unfair business practices and other barriers to participation must be considered before summarily concluding that minorities cannot successfully perform large contracts. Particularly since construction-related professional services firm capacity is elastic and expands or contracts depending on the size of the job to be performed.

Based on the comparison of all contract dollar groups, we noted that minority participation decreases as the threshold of contract awards increases. **Exhibit 4-80** shows a graphical representation of the dollar ranges for the utilization of minorities and illustrates how minority firms fared as contract dollars rose. **Exhibit 4-81** presents the threshold analysis based on award amounts in the respective categories, which also shows a percentage concentration of minority participation on contracts less than or equal to \$1 million. However, as the dollar value of the awarded contracts increased, minority participation decreased, to the extent that in the highest dollar range minorities received just over 2 percent of the total dollars awarded, which was in the Hispanic-American group. The analysis by contract award amount produced findings similar to that of the analysis by number of contracts awarded.

**EXHIBIT 4-80  
STATEWIDE  
UTILIZATION OF MINORITY CONSTRUCTION-RELATED PROFESSIONAL  
SERVICES CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

**EXHIBIT 4-81  
STATEWIDE  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$1,653,545	0.43%	\$858,559	0.22%	\$4,759,754	1.24%	\$4,203,297	1.09%	\$13,355,341	3.47%	\$24,830,496	6.45%	\$360,027,659	93.55%	\$384,858,155
Between \$1,000,001 and \$5 million	\$0	0.00%	\$1,420,000	0.66%	\$0	0.00%	\$0	0.00%	\$8,250,000	3.86%	\$9,670,000	4.53%	\$203,995,379	95.47%	\$213,665,379
Greater than \$5 million	\$0	0.00%	\$13,430,000	2.07%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$13,430,000	2.07%	\$635,635,973	97.93%	\$649,065,973
<b>Total</b>	\$1,653,545	0.13%	\$15,708,559	1.26%	\$4,759,754	0.38%	\$4,203,297	0.34%	\$21,605,341	1.73%	\$47,930,496	3.84%	\$1,199,659,011	96.16%	\$1,247,589,507

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

**Subconsultant Analysis**

ODOT does not track subconsultant participation. However, we were able to obtain some subcontract award amounts through the verification reports.<sup>1</sup> That information, though incomplete, is presented in **Exhibit 4-82**. As reported by verification reports, nonminority women received \$29,000. Although the minority and nonminority participation may be higher, we were only able to retrieve small amounts of data through verification reports.

To enhance our analysis of construction-related professional services subconsulting activity, we analyzed the number of subcontracts awarded based on subconsultant verification reports. As shown in **Exhibit 4-83**, four contracts were let to minority firms. **Exhibit 4-84** shows the breakdown of individual subcontractors that participated on ODOT construction-related professional services projects. Of the four contracts let, there were only three unique nonminority women firms.

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<sup>1</sup> See Section 4.3 of Chapter 4.

**EXHIBIT 4-82  
STATEWIDE  
UTILIZATION OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES SUBCONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Federal Dollars Awarded <sup>2</sup>
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	%	\$	% <sup>1</sup>	\$
2000	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2001	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2002	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$9,273.00	100.00%	\$9,273.00	100.00%	\$0.00	0.00%	\$9,273.00
2003	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2004	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2005	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2006	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$20,289.00	100.00%	\$20,289.00	100.00%	\$0.00	0.00%	\$20,289.00
2007	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
<b>Total</b>	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$29,562.00	100.00%	\$29,562.00	100.00%	\$0.00	0.00%	\$29,562.00

Source: Oregon Department of Transportation Verification Reports.

<sup>1</sup> Percent of Total Dollars Awarded.

<sup>2</sup> The Total Dollars Awarded is the actual amount given to prime contractors and subcontractors combined.



**EXHIBIT 4-83  
STATEWIDE  
NUMBER OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES SUBCONTRACTS AWARDED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2	100.00%	0	0.00%	2
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2	100.00%	0	0.00%	2
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
<b>Total Contracts</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	100.00%	4	100.00%	0	0.00%	4

Source: ODOT Verification Reports for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Subcontracts.

**EXHIBIT 4-84  
STATEWIDE  
UNIQUE CONSTRUCTION-RELATED PROFESSIONAL SERVICES SUBCONTRACTORS  
UTILIZED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	100.00%	1	100.00%	0	0.00%	1
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2	100.00%	0	0.00%	2
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3	100.00%	0	0.00%	3

Source: Oregon Department of Transportation Verification Reports.

<sup>1</sup> Percent of Total Contracts.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Total Unique Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the total unique firms for the entire study period may not equal the sum of all years.

**4.8.3 Availability**

The availability of construction-related professional services firms was derived from the list of overall firms included in MGT's database. However, the availability analysis is based only on firms that were located within the state of Oregon. As shown in **Exhibit 4-85**, minorities accounted for 48 percent of construction-related professional services consultants available to do business with ODOT. Nonminority women-owned and Asian American-owned firms were the larger groups, accounting for 34 and 6 percent of the total minority consultants, respectively. Hispanic American-owned and African American-owned firms accounted for 3 and 4 percent of available construction-related professional services consultants, followed by Native American-owned firms at .9 percent. **Exhibit 4-86** shows the availability of construction-related professional services subconsultants in the state of Oregon. Minority subconsultants represented 45 percent of available firms, with nonminority women accounting for the largest subgroup of minority subcontractors.

**EXHIBIT 4-85  
STATEWIDE  
AVAILABILITY OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
CONSULTANTS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	26	3.33%	30	3.84%	48	6.15%	7	0.90%	262	33.55%	373	47.76%	408	52.24%	781

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**EXHIBIT 4-85  
STATEWIDE  
AVAILABILITY OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
SUBCONSULTANTS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	26	3.08%	30	3.55%	49	5.80%	8	0.95%	267	31.60%	380	44.97%	465	55.03%	845

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**4.9 Region 1 - Construction-Related Professional services Analysis**

This section presents Region 1's relevant market area analysis for federal construction-related professional services contract awards, and the utilization and availability analysis of minorities and nonminorities as construction-related professional services consultants.

**4.9.1 Relevant Market Area Analysis**

The data showed that ODOT spent over \$676 million on construction-related professional services contracts during the study period in Region 1. Overall, 1,580 contracts were awarded to 289 individual firms. **Exhibit 4-87** shows the location of firms awarded professional services contracts by the respective firms' county of domicile and dollar amount in Region 1.

The Region 1 market area for ODOT's construction-related professional services contract awards consists of Multnomah County, Washington County, Clackamas County, Columbia County, and Hood River County. The construction-related professional services contracts that were analyzed from the Region 1 are shown in **Appendix H**.

**4.9.2 Utilization Analysis**

**Exhibit 4-88** presents the utilization analysis of construction-related professional services prime consultants in Region 1. Minorities received 5 percent (\$35 million) of the federal construction-related professional services contract dollars awarded to

**Relevant Market Area, Utilization, and Availability Analyses**

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consultants in Region 1. Hispanic Americans were the more successful minority group, securing 2 percent (\$13 million) of the construction-related professional services contracts awarded during the eight-year study period. Next, in order of level of success, were nonminority women with 1.9 percent of the construction-related professional services contract awards. As a group, nonminorities were the most successful in receiving federal construction-related professional services contract dollars for all eight years of the study period.

**EXHIBIT 4-87  
REGION 1  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

County, State	# of Contracts	% of Contracts	# of Firms	% of Firms	Federal Dollars	% of Dollars	Cum% <sup>2</sup>
MULTNOMAH, OR	1,407	89.05%	241	83.39%	\$654,071,359.44	96.74%	96.74%
WASHINGTON, OR	134	8.48%	30	10.38%	\$13,654,266.30	2.02%	98.76%
CLACKAMAS, OR	35	2.22%	16	5.54%	\$7,730,678.00	1.14%	99.90%
COLUMBIA, OR	3	0.19%	1	0.35%	\$650,899.70	0.10%	100.00%
HOOD RIVER, OR	1	0.06%	1	0.35%	\$1,500.00	0.00%	100.00%
<b>Total</b>	<b>1,580</b>	<b>100.00%</b>	<b>289</b>	<b>100.00%</b>	<b>\$676,108,703.44</b>	<b>100.00%</b>	

Source: Oregon Department of Transportation.

<sup>1</sup> Cumulative total of percent of federal dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**EXHIBIT 4-88  
REGION 1  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$515,397	1.95%	\$0	0.00%	\$520,761	1.97%	\$0	0.00%	\$1,064,093	4.03%	\$2,100,251	7.95%	\$24,314,346	92.05%	\$26,414,597
2001	\$110,940	0.49%	\$125,000	0.56%	\$132,569	0.59%	\$286,807	1.28%	\$205,294	0.91%	\$860,610	3.83%	\$21,626,952	96.17%	\$22,487,562
2002	\$303,268	0.84%	\$0	0.00%	\$364,242	1.01%	\$373,590	1.04%	\$330,351	0.92%	\$1,371,451	3.81%	\$34,651,145	96.19%	\$36,022,596
2003	\$444,400	0.67%	\$0	0.00%	\$312,780	0.47%	\$69,020	0.10%	\$1,486,897	2.25%	\$2,313,097	3.50%	\$63,854,071	96.50%	\$66,167,168
2004	\$103,720	0.08%	\$50,288	0.04%	\$1,084,500	0.88%	\$407,050	0.33%	\$2,624,736	2.14%	\$4,270,293	3.47%	\$118,619,029	96.53%	\$122,889,322
2005	\$15,680	0.01%	\$0	0.00%	\$1,139,803	0.65%	\$617,430	0.35%	\$601,838	0.34%	\$2,374,751	1.35%	\$173,596,451	98.65%	\$175,971,202
2006	\$4,720	0.00%	\$13,555,839	8.69%	\$319,775	0.20%	\$0	0.00%	\$5,906,929	3.79%	\$19,787,263	12.68%	\$136,247,208	87.32%	\$156,034,472
2007	\$141,920	0.20%	\$51,880	0.07%	\$885,324	1.26%	\$382,599	0.55%	\$753,297	1.07%	\$2,215,019	3.16%	\$67,906,764	96.84%	\$70,121,784
<b>Total</b>	<b>\$1,640,045</b>	<b>0.24%</b>	<b>\$13,783,007</b>	<b>2.04%</b>	<b>\$4,759,754</b>	<b>0.70%</b>	<b>\$2,136,496</b>	<b>0.32%</b>	<b>\$12,973,435</b>	<b>1.92%</b>	<b>\$35,292,736</b>	<b>5.22%</b>	<b>\$640,815,967</b>	<b>94.78%</b>	<b>\$676,108,703</b>

Source: MGT developed a purchase order and vendor database for the Oregon Department of Transportation for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of total dollars awarded annually to prime contractors.

**Exhibits 4-89** and **4-90** show the utilization by the number of contracts and the number of professional services firms used during the study period in Region 1. In **Exhibit 4-89**, we show that nonminorities were more successful than minorities during the study period in winning construction-related professional services contracts from ODOT in Region 1. Minorities received 16 percent of ODOT's construction-related professional services contracts with firms owned by nonminority women receiving 7 percent of the number of contracts let during the study period. **Exhibit 4-90** shows the distribution of construction-related professional services prime-level consultants that performed work for ODOT in Region 1. Eighty-one percent of the firms were nonminority-owned, accounting for 235 of the 289 firms utilized by ODOT.

MGT further analyzed the utilization of Region 1 minority federal construction-related professional services firms by examining construction-related professional services awards in specific dollar ranges. The established ranges were:

- contracts less than or equal to \$1 million;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

**EXHIBIT 4-89  
REGION 1  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	11	5.91%	0	0.00%	11	5.91%	0	0.00%	16	8.60%	38	20.43%	148	79.57%	186
2001	9	3.67%	1	0.41%	19	7.76%	2	0.82%	13	5.31%	44	17.96%	201	82.04%	245
2002	11	5.42%	0	0.00%	7	3.45%	2	0.99%	12	5.91%	32	15.76%	171	84.24%	203
2003	11	6.21%	0	0.00%	6	3.39%	1	0.56%	10	5.65%	28	15.82%	149	84.18%	177
2004	2	0.92%	1	0.46%	9	4.13%	1	0.46%	22	10.09%	35	16.06%	183	83.94%	218
2005	1	0.51%	0	0.00%	3	1.52%	2	1.01%	15	7.58%	21	10.61%	177	89.39%	198
2006	1	0.72%	4	2.88%	3	2.16%	0	0.00%	11	7.91%	19	13.67%	120	86.33%	139
2007	4	1.87%	3	1.40%	6	2.80%	2	0.93%	16	7.48%	31	14.49%	183	85.51%	214
<b>Total Contracts</b>	50	3.16%	9	0.57%	64	4.05%	10	0.63%	115	7.28%	248	15.70%	1,332	84.30%	1,580

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.



**EXHIBIT 4-90  
REGION 1  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	3	3.75%	0	0.00%	2	2.50%	0	0.00%	6	7.50%	11	13.75%	69	86.25%	80
2001	2	2.25%	1	1.12%	2	2.25%	1	1.12%	7	7.87%	13	14.61%	76	85.39%	89
2002	3	3.70%	0	0.00%	3	3.70%	1	1.23%	5	6.17%	12	14.81%	69	85.19%	81
2003	2	3.17%	0	0.00%	2	3.17%	1	1.59%	5	7.94%	10	15.87%	53	84.13%	63
2004	2	2.53%	1	1.27%	4	5.06%	1	1.27%	8	10.13%	16	20.25%	63	79.75%	79
2005	1	1.12%	0	0.00%	3	3.37%	1	1.12%	9	10.11%	14	15.73%	75	84.27%	89
2006	1	1.59%	4	6.35%	2	3.17%	0	0.00%	5	7.94%	12	19.05%	51	80.95%	63
2007	2	2.38%	3	3.57%	4	4.76%	1	1.19%	7	8.33%	17	20.24%	67	79.76%	84
<b>Individual Firms Over Eight Years<sup>2</sup></b>	6	2.08%	6	2.08%	8	2.77%	2	0.69%	32	11.07%	54	18.69%	235	81.31%	289

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.

**Threshold Analysis**

**Exhibit 4-91** presents the threshold analysis for construction-related professional services contracts awarded by ODOT during the study period in Region 1. Most contract award amounts by ODOT were less than or equal to \$1 million. ODOT awarded 1,511 contracts in this category, out of a total 1,580 contracts (96 percent).

Nonminorities received no less than 83 percent of the construction-related professional services contracts throughout the study period. Among minorities, firms owned by nonminority women were generally the most utilized in comparison to firms owned by minorities and women.

**Exhibit 4-92** presents a graphical representation of the threshold analysis of the utilization of minorities as construction-related professional services consultants during the study period. It shows a concentration of contracts awarded in the less than or equal to \$1 million category. **Exhibit 4-93** shows the threshold distribution based on dollars awarded in the respective categories.

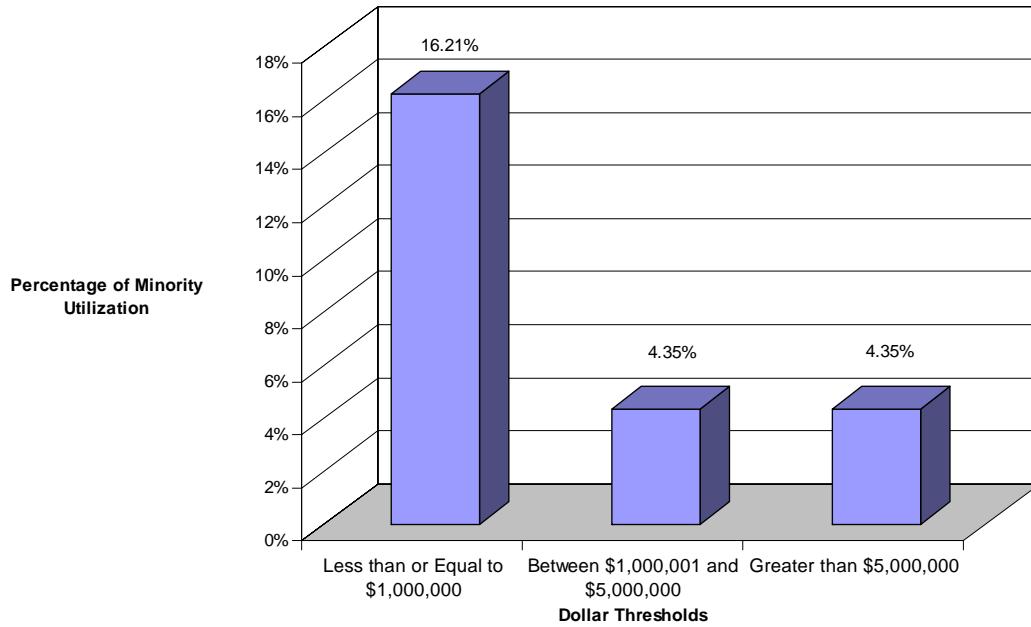
**EXHIBIT 4-91  
REGION 1  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	50	3.31%	8	0.53%	64	4.24%	10	0.66%	113	7.48%	245	16.21%	1,266	83.79%	1,511
Between \$1,000,001 and \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	4.35%	2	4.35%	44	95.65%	46
Greater than \$5 million	0	0.00%	1	4.35%	0	0.00%	0	0.00%	0	0.00%	1	4.35%	22	95.65%	23
<b>Total</b>	50	3.16%	9	0.57%	64	4.05%	10	0.63%	115	7.28%	248	15.70%	1,332	84.30%	1,580

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

**EXHIBIT 4-92  
REGION 1  
UTILIZATION OF MINORITY CONSTRUCTION-RELATED PROFESSIONAL  
SERVICES CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

**EXHIBIT 4-93  
REGION 1  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$1,640,045	0.89%	\$353,007	0.19%	\$4,759,754	2.58%	\$2,136,496	1.16%	\$7,348,435	3.99%	\$16,237,736	8.81%	\$167,979,053	91.19%	\$184,216,790
Between \$1,000,001 and \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$5,625,000	5.33%	\$5,625,000	5.33%	\$99,997,415	94.67%	\$105,622,415
Greater than \$5 million	\$0	0.00%	\$13,430,000	3.48%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$13,430,000	3.48%	\$372,839,499	96.52%	\$386,269,499
<b>Total</b>	\$1,640,045	0.24%	\$13,783,007	2.04%	\$4,759,754	0.70%	\$2,136,496	0.32%	\$12,973,435	1.92%	\$35,292,736	5.22%	\$640,815,967	94.78%	\$676,108,703

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**Subconsultant Analysis**

**Exhibit 4-94** shows the analysis of subconsultant awards during the study period for the construction-related professional services business category in Region 1. Verification reports indicated that nonminority women received over \$26,000. No other group participation was retrieved.

**Exhibits 4-95** and **4-96** show that three subconsultant contracts were let to three unique nonminority women-owned firms.

**EXHIBIT 4-94  
REGION 1  
UTILIZATION OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES SUBCONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Federal Dollars Awarded <sup>2</sup>	
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	%	\$	% <sup>1</sup>	\$	
2000	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	\$0.00
2001	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	\$0.00
2002	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$6,498.00	100.00%	\$6,498.00	100.00%	\$0.00	0.00%	\$6,498.00	\$6,498.00
2003	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	\$0.00
2004	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	\$0.00
2005	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	\$0.00
2006	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$20,289.00	100.00%	\$20,289.00	100.00%	\$0.00	0.00%	\$20,289.00	\$20,289.00
2007	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	\$0.00
<b>Total</b>	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$26,787.00	100.00%	\$26,787.00	100.00%	\$0.00	0.00%	\$26,787.00	\$26,787.00

Source: Oregon Department of Transportation Verification Reports.

<sup>1</sup> Percent of Total Federal Dollars Awarded.

<sup>2</sup> The Total Federal Dollars Awarded is the actual amount given to prime contractors and subcontractors combined.

**EXHIBIT 4-95  
REGION 1  
NUMBER OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES SUBCONTRACTS AWARDED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	100.00%	1	100.00%	0	0.00%	1
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2	100.00%	0	0.00%	2
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
<b>Total Contracts</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3	100.00%	0	0.00%	3

Source: ODOT Verification Reports for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Subcontracts.



**EXHIBIT 4-96  
REGION 1  
UNIQUE CONSTRUCTION-RELATED PROFESSIONAL SERVICES SUBCONTRACTORS  
UTILIZED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	100.00%	1	100.00%	0	0.00%	1
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2	100.00%	0	0.00%	2
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3	100.00%	0	0.00%	3

Source: Oregon Department of Transportation Verification Reports.

<sup>1</sup> Percent of Total Contracts.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Total Unique Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the total unique firms for the entire study period may not equal the sum of all years.

**4.9.3 Availability**

The availability of construction-related professional services consultants was derived from MGT's master vendor database. **Exhibit 4-97** shows the available construction-related professional services consultants that were located in Region 1. Of the 557 available construction-related professional services firms, 281 were minority firms. The availability of subconsultants in the construction-related professional services business category is shown in **Exhibit 4-98**. Minorities accounted for 49 percent.

**EXHIBIT 4-97  
REGION 1  
AVAILABILITY OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
CONSULTANTS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	25	4.49%	23	4.13%	40	7.18%	7	1.26%	186	33.39%	281	50.45%	276	49.55%	557

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**EXHIBIT 4-98  
REGION 1  
AVAILABILITY OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
SUBCONSULTANTS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	25	4.31%	23	3.97%	41	7.07%	8	1.38%	189	32.59%	286	49.31%	294	50.69%	580

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

#### **4.10 Region 2 - Construction-Related Professional services Analysis**

This section presents Region 2's market area analysis for construction-related professional services contract awards, and the utilization and availability analysis of minorities and nonminorities as construction-related professional services consultants.

##### **4.10.1 Relevant Market Area Analysis**

The data showed that ODOT spent over \$367 million on construction-related professional services contracts during the study period in Region 2. Overall, 867 contracts were awarded to 169 individual firms. **Exhibit 4-99** shows the location of firms awarded construction-related professional services contracts by the respective firms' county of domicile and federal dollar amount.

The relevant market area for Region 2 construction-related professional services contract awards consists of Marion County, Lane County, Clatsop County, Benton County, Linn County, Polk County, Yamhill County, Lincoln County, and Tillamook County. The construction-related professional services contracts that were analyzed from the relevant market area are shown in **Appendix I**.

##### **4.10.2 Utilization Analysis**

**Exhibit 4-100** presents the utilization analysis of construction-related professional services prime consultants in Region 2. Minorities received 3 percent (\$11.8 million) of the federal construction-related professional services contract dollars awarded to consultants in Region 2. Nonminority women were the more successful minority group, securing 2 percent (\$7.8 million) of the construction-related professional services contracts awarded during the eight-year study period in Region 2. Next, in order of level of success, were Native Americans with .55 percent of the construction-related professional services contract awards. As a group, nonminorities were the most successful in receiving contract dollars for all eight years of the study period.

**EXHIBIT 4-99  
REGION 2  
PROFESSIONAL SERVICES CONTRACTS  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2006**

<b>County, State</b>	<b># of Contracts</b>	<b>% of Contracts</b>	<b># of Firms</b>	<b>% of Firms</b>	<b>Federal Dollars</b>	<b>% of Dollars</b>	<b>Cum%<sup>2</sup></b>
MARION, OR	336	38.75%	96	56.80%	\$150,129,191.39	40.86%	40.86%
LANE, OR	310	35.76%	47	27.81%	\$133,954,209.54	36.46%	77.32% <sup>1</sup>
CLATSOP, OR	16	1.85%	8	4.73%	\$2,282,259.71	0.62%	77.94%
BENTON, OR	155	17.88%	6	3.55%	\$73,123,017.11	19.90%	97.84%
LINN, OR	20	2.31%	4	2.37%	\$4,196,680.45	1.14%	98.98%
POLK, OR	4	0.46%	3	1.78%	\$473,495.00	0.13%	99.11%
YAMHILL, OR	19	2.19%	2	1.18%	\$1,628,786.86	0.44%	99.56%
LINCOLN, OR	5	0.58%	2	1.18%	\$1,028,038.68	0.28%	99.84%
TILLAMOOK, OR	2	0.23%	1	0.59%	\$600,000.00	0.16%	100.00%
<b>Total</b>	867	100.00%	169	100.00%	\$367,415,678.74	100.00%	

Source: Oregon Department of Transportation.

<sup>1</sup> Cumulative total of percent of federal dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**EXHIBIT 4-100  
REGION 2  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$0	0.00%	\$93,300	0.33%	\$0	0.00%	\$23,500	0.08%	\$514,290	1.83%	\$631,090	2.24%	\$27,486,186	97.76%	\$28,117,276
2001	\$0	0.00%	\$103,845	0.61%	\$0	0.00%	\$0	0.00%	\$682,362	4.01%	\$786,207	4.63%	\$16,211,713	95.37%	\$16,997,920
2002	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$92,628	0.25%	\$92,628	0.25%	\$36,985,851	99.75%	\$37,078,479
2003	\$0	0.00%	\$69,839	0.32%	\$0	0.00%	\$0	0.00%	\$505,000	2.32%	\$574,839	2.64%	\$21,159,960	97.36%	\$21,734,799
2004	\$0	0.00%	\$58,404	0.10%	\$0	0.00%	\$2,000,000	3.46%	\$424,850	0.73%	\$2,483,254	4.29%	\$55,362,761	95.71%	\$57,846,015
2005	\$0	0.00%	\$38,090	0.16%	\$0	0.00%	\$0	0.00%	\$1,941,292	8.38%	\$1,979,382	8.54%	\$21,193,424	91.46%	\$23,172,806
2006	\$13,500	0.01%	\$1,500,800	1.39%	\$0	0.00%	\$0	0.00%	\$2,673,820	2.48%	\$4,188,120	3.88%	\$103,778,146	96.12%	\$107,966,266
2007	\$0	0.00%	\$34,125	0.05%	\$0	0.00%	\$0	0.00%	\$983,629	1.32%	\$1,017,754	1.37%	\$73,484,363	98.63%	\$74,502,117
<b>Total</b>	\$13,500	0.00%	\$1,898,403	0.52%	\$0	0.00%	\$2,023,500	0.55%	\$7,817,871	2.13%	\$11,753,274	3.20%	\$355,662,405	96.80%	\$367,415,679

Source: MGT developed a purchase order and vendor database for the Oregon Department of Transportation for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of total dollars awarded annually to prime contractors.

**Exhibits 4-101** and **4-102** show the utilization by the number of contracts and the number of construction-related professional services firms used during the study period in Region 2. In **Exhibit 4-101**, we show that nonminorities were more successful than minorities during the study period in winning construction-related professional services contracts from ODOT. Minorities received 7 percent of ODOT's construction-related professional services contracts, with firms owned by nonminority women receiving 5 percent of the number of contracts let during the study period. There was no Asian-American participation. **Exhibit 4-102** shows the distribution of construction-related professional services prime-level consultants that performed work for ODOT in Region 2. Eighty-five percent of the firms were nonminority-owned, accounting for 143 of the 169 firms utilized by ODOT.

MGT further analyzed the utilization of minority construction-related professional services firms by examining construction-related professional services awards in specific dollar ranges. The established ranges were:

- contracts less than or equal to \$1 million;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

**EXHIBIT 4-101  
REGION 2  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	2	2.13%	0	0.00%	1	1.06%	5	5.32%	8	8.51%	86	91.49%	94
2001	0	0.00%	3	2.22%	0	0.00%	0	0.00%	7	5.19%	10	7.41%	125	92.59%	135
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	3.25%	4	3.25%	119	96.75%	123
2003	0	0.00%	2	2.33%	0	0.00%	0	0.00%	2	2.33%	4	4.65%	82	95.35%	86
2004	0	0.00%	3	2.05%	0	0.00%	2	1.37%	2	1.37%	7	4.79%	139	95.21%	146
2005	0	0.00%	3	2.80%	0	0.00%	0	0.00%	6	5.61%	9	8.41%	98	91.59%	107
2006	1	1.15%	4	4.60%	0	0.00%	0	0.00%	3	3.45%	8	9.20%	79	90.80%	87
2007	0	0.00%	1	1.12%	0	0.00%	0	0.00%	13	14.61%	14	15.73%	75	84.27%	89
<b>Total Contracts</b>	<b>1</b>	<b>0.12%</b>	<b>18</b>	<b>2.08%</b>	<b>0</b>	<b>0.00%</b>	<b>3</b>	<b>0.35%</b>	<b>42</b>	<b>4.84%</b>	<b>64</b>	<b>7.38%</b>	<b>803</b>	<b>92.62%</b>	<b>867</b>

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.

**EXHIBIT 4-102  
REGION 2  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	1	3.13%	0	0.00%	1	3.13%	4	12.50%	6	18.75%	26	81.25%	32
2001	0	0.00%	3	6.52%	0	0.00%	0	0.00%	4	8.70%	7	15.22%	39	84.78%	46
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	8.11%	3	8.11%	34	91.89%	37
2003	0	0.00%	1	3.85%	0	0.00%	0	0.00%	2	7.69%	3	11.54%	23	88.46%	26
2004	0	0.00%	2	4.44%	0	0.00%	1	2.22%	2	4.44%	5	11.11%	40	88.89%	45
2005	0	0.00%	1	2.33%	0	0.00%	0	0.00%	6	13.95%	7	16.28%	36	83.72%	43
2006	1	2.50%	2	5.00%	0	0.00%	0	0.00%	3	7.50%	6	15.00%	34	85.00%	40
2007	0	0.00%	1	14.29%	0	0.00%	0	0.00%	6	85.71%	7	100.00%	0	0.00%	7
<b>Individual Firms Over Eight Years<sup>2</sup></b>	<b>1</b>	<b>0.59%</b>	<b>7</b>	<b>4.14%</b>	<b>0</b>	<b>0.00%</b>	<b>2</b>	<b>1.18%</b>	<b>16</b>	<b>9.47%</b>	<b>26</b>	<b>15.38%</b>	<b>143</b>	<b>84.62%</b>	<b>169</b>

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.



**Threshold Analysis**

**Exhibit 4-103** presents the threshold analysis for construction-related professional services contracts awarded by ODOT during the study period in Region 2. Most contract award amounts by ODOT were less than or equal to \$1 million. ODOT awarded 823 contracts in this category, out of a total 867 contracts (95 percent).

Nonminorities received no less than 92 percent of the construction-related professional services contracts throughout the study period in Region 2. Among minorities, firms owned by nonminority women were generally the most utilized in comparison to firms owned by minorities and women.

**Exhibit 4-104** presents a graphical representation of the threshold analysis of the utilization of minorities as construction-related professional services consultants during the study period. As mentioned earlier, we noted a concentration of contracts awarded in the less than or equal to \$1 million category. **Exhibit 4-105** shows the threshold distribution based on dollars awarded in the respective categories.

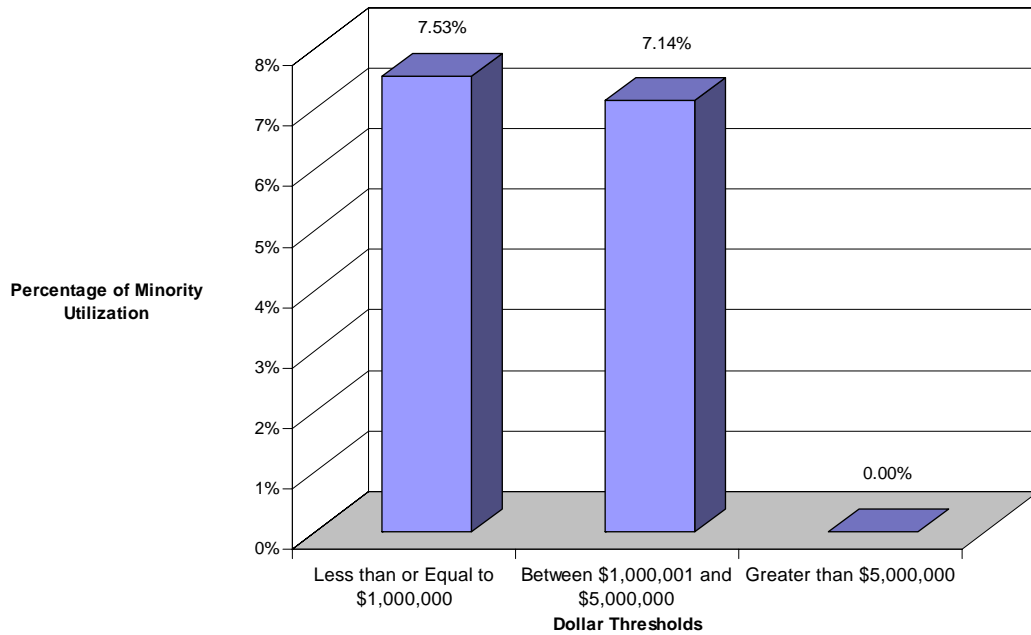
**EXHIBIT 4-103  
REGION 2  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		DBE Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	1	0.12%	17	2.07%	0	0.00%	3	0.36%	41	4.98%	62	7.53%	761	92.47%	823
Between \$1,000,001 and \$5 million	0	0.00%	1	3.57%	0	0.00%	0	0.00%	1	3.57%	2	7.14%	26	92.86%	28
Greater than \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	16	100.00%	16
<b>Total</b>	1	0.12%	18	2.08%	0	0.00%	3	0.35%	42	4.84%	64	7.38%	803	92.62%	867

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

**EXHIBIT 4-104  
REGION 2  
UTILIZATION OF MINORITY CONSTRUCTION-RELATED PROFESSIONAL  
SERVICES CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

**EXHIBIT 4-105  
REGION 2  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		DBE Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$13,500	0.01%	\$478,403	0.40%	\$0	0.00%	\$2,023,500	1.70%	\$5,192,871	4.37%	\$7,708,274	6.49%	\$111,040,898	93.51%	\$118,749,171
Between \$1,000,001 and \$5 million	\$0	0.00%	\$1,420,000	2.05%	\$0	0.00%	\$0	0.00%	\$2,625,000	3.79%	\$4,045,000	5.84%	\$65,219,919	94.16%	\$69,264,919
Greater than \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$179,401,589	100.00%	\$179,401,589
<b>Total</b>	<b>\$13,500</b>	<b>0.00%</b>	<b>\$1,898,403</b>	<b>0.52%</b>	<b>\$0</b>	<b>0.00%</b>	<b>\$2,023,500</b>	<b>0.55%</b>	<b>\$7,817,871</b>	<b>2.13%</b>	<b>\$11,753,274</b>	<b>3.20%</b>	<b>\$355,662,405</b>	<b>96.80%</b>	<b>\$367,415,679</b>

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**Subconsultant Analysis**

**Exhibit 4-106** shows the analysis of subconsultant awards during the study period for the construction-related professional services business category in Region 2. Data were retrieved only for nonminority women in the 2002 fiscal year. As in previous sections, the data reported are from the verification reports.

**Exhibits 4-107** and **4-108** shows that one contract was let to a nonminority women-owned firm.

**EXHIBIT 4-106  
REGION 2  
UTILIZATION OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES SUBCONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Federal Dollars Awarded <sup>2</sup>
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	%	\$	% <sup>1</sup>	\$
2000	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2001	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2002	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$2,775.00	100.00%	\$2,775.00	100.00%	\$0.00	0.00%	\$2,775.00
2003	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2004	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2005	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2006	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
2007	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00
<b>Total</b>	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%	\$2,775.00	100.00%	\$2,775.00	100.00%	\$0.00	0.00%	\$2,775.00

Sources: Oregon Department of Transportation Verification Reports

<sup>1</sup> Percent of Total Federal Dollars Awarded.

<sup>2</sup> The Total Federal Dollars Awarded is the actual amount given to prime contractors and subcontractors combined.

**EXHIBIT 4-107  
REGION 2  
NUMBER OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES SUBCONTRACTS AWARDED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		M/WBE Subtotal		Nonminority Total		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	100.00%	1	100.00%	0	0.00%	1
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
<b>Total Contracts</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	100.00%	1	100.00%	0	0.00%	1

Source: ODOT Verification Reports for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Subcontracts.

**EXHIBIT 4-108  
REGION 2  
UNIQUE CONSTRUCTION-RELATED PROFESSIONAL SERVICES SUBCONTRACTORS  
UTILIZED  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Total		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	%	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	100.00%	1	100.00%	0	0.00%	1
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
<b>Individual Firms Over Seven Years</b> <sup>2</sup>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	100.00%	1	100.00%	0	0.00%	1

Source: Oregon Department of Transportation Verification Reports.

<sup>1</sup> Percent of Total Contracts.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Total Unique Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the total unique firms for the entire study period may not equal the sum of all years.



**4.10.3 Availability**

The availability of construction-related professional services consultants was derived from MGT's master vendor database. **Exhibit 4-109** shows the available construction-related professional services consultants that were located in Region 2. Of the 156 available construction-related professional services firms, 66 were minority firms. The availability of subconsultants in the construction-related professional services business category is shown in **Exhibit 4-110**. Minorities accounted for 39 percent of the available subconsultants in Region 2.

**EXHIBIT 4-109  
REGION 2  
AVAILABILITY OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
CONSULTANTS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	1	0.64%	5	3.18%	6	3.82%	1	0.64%	54	34.39%	67	42.68%	90	57.32%	157

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**EXHIBIT 4-110  
REGION 2  
AVAILABILITY OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
SUBCONSULTANTS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	1	0.57%	5	2.86%	6	3.43%	0	0.00%	56	32.00%	68	38.86%	107	61.14%	175

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

#### **4.11 Region 3 - Construction-Related Professional services Analysis**

This section presents Region 3's market area analysis for construction-related professional services contract awards, and the utilization and availability analysis of minorities and nonminorities as construction-related professional services consultants.

##### **4.11.1 Relevant Market Area Analysis**

The data showed that ODOT spent over \$19 million on construction-related professional services contracts during the study period in Region 3. Overall, 115 contracts were awarded to 40 individual firms. **Exhibit 4-111** shows the location of firms awarded federal construction-related professional services contracts by the respective firms' county of domicile and dollar amount in Region 3.

The Region 3 market area for ODOT's construction-related professional services contract awards consists of Douglas County, Jackson County, Coos County, Josephine County, and Curry County. The construction-related professional services contracts that were analyzed from the relevant market area are shown in **Appendix J**.

##### **4.11.2 Utilization Analysis**

**Exhibit 4-112** presents the utilization analysis of construction-related professional services prime consultants in ODOT's Region 3. Minorities received 3 percent (\$537,000) of the federal construction-related professional services contract dollars awarded to consultants in Region 3. Nonminority women were the more successful minority group, securing 3 percent (\$494,000) of the construction-related professional services contracts awarded during the eight year study period. Next, in order of level of success, were Native Americans with .2 percent of the construction-related professional services contract awards. As a group, nonminorities were the most successful in receiving construction-related professional services contract dollars for all eight years of the study period.

**EXHIBIT 4-111  
REGION 3  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

County, State	# of Contracts	% of Contracts	# of Firms	% of Firms	Federal Dollars	% of Dollars	Cum% <sup>2</sup>
DOUGLAS, OR	37	32.17%	16	40.00%	\$2,728,573.20	14.21%	14.21%
JACKSON, OR	38	33.04%	9	22.50%	\$9,851,142.50	51.30%	65.51%
COOS, OR	21	18.26%	7	17.50%	\$2,939,855.90	15.31%	80.82%
JOSEPHINE, OR	12	10.43%	5	12.50%	\$2,299,849.99	11.98%	92.80%
CURRY, OR	7	6.09%	3	7.50%	\$1,382,356.56	7.20%	100.00%
<b>Total</b>	115	100.00%	40	100.00%	\$19,201,778.15	100.00%	

Source: Oregon Department of Transportation.

<sup>1</sup> Cumulative total of percent of federal dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**EXHIBIT 4-112  
REGION 3  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$35,227	100.00%	\$35,227
2001	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$75,673	100.00%	\$75,673
2002	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$165,200	100.00%	\$165,200
2003	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$799,729	100.00%	\$799,729
2004	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$2,549,869	100.00%	\$2,549,869
2005	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$1,484,102	100.00%	\$1,484,102
2006	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$43,302	0.46%	\$362,658	3.86%	\$405,960	4.32%	\$8,995,658	95.68%	\$9,401,618
2007	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$131,319	2.80%	\$131,319	2.80%	\$4,559,042	97.20%	\$4,690,361
<b>Total</b>	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$43,302	0.23%	\$493,977	2.57%	\$537,279	2.80%	\$18,664,499	97.20%	\$19,201,778

Source: MGT developed a purchase order and vendor database for the Oregon Department of Transportation for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of total dollars awarded annually to prime contractors.

**Exhibits 4-113** and **4-114** show the utilization by the number of contracts and the number of construction-related professional services firms used during the study period in Region 3. In **Exhibit 4-113**, we show that nonminorities were more successful than minorities during the study period in winning construction-related professional services contracts from ODOT. Minorities received 6 percent of ODOT's construction-related professional services contracts, with firms owned by nonminority women receiving 5 percent of the number of contracts let during the study period. **Exhibit 4-114** shows the distribution of construction-related professional services prime-level consultants that performed work for ODOT in Region 3. Eighty-eight percent of the firms were nonminority-owned, accounting for 35 of the 40 firms utilized by ODOT.

MGT further analyzed the utilization of minority construction-related professional services firms by examining construction-related professional services awards in specific dollar ranges. The established ranges were:

- contracts less than or equal to \$1 million;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

**EXHIBIT 4-113  
REGION 3  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	100.00%	4
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	18	100.00%	18
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	23	100.00%	23
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	13	100.00%	13
2006	0	0.00%	0	0.00%	0	0.00%	1	4.55%	3	13.64%	4	18.18%	18	81.82%	22
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	10.00%	3	10.00%	27	90.00%	30
<b>Total Contracts</b>	0	0.00%	0	0.00%	0	0.00%	1	0.87%	6	5.22%	7	6.09%	108	93.91%	115

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.

**EXHIBIT 4-114  
REGION 3  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	11	100.00%	11
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	13	100.00%	13
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	9	100.00%	9
2006	0	0.00%	0	0.00%	0	0.00%	1	6.25%	2	12.50%	3	18.75%	13	81.25%	16
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	11.76%	2	11.76%	15	88.24%	17
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	0	0.00%	0	0.00%	1	2.50%	4	10.00%	5	12.50%	35	87.50%	40

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.

**Threshold Analysis**

**Exhibit 4-115** presents the threshold analysis for construction-related professional services contracts awarded by ODOT during the study period in Region 3. Most contract award amounts by ODOT were less than or equal to \$1 million. ODOT awarded 111 contracts in this category, out of a total 115 contracts (97 percent).

Nonminorities received no less than 95 percent of the construction-related professional services contracts throughout the study period. Among minorities, firms owned by nonminority women were generally the most utilized in comparison to firms owned by other minorities. There was no participation in contracts greater than \$5 million.

**Exhibit 4-116** presents a graphical representation of the threshold analysis of the utilization of minorities as construction-related professional services consultants during the study period. **Exhibit 4-117** shows the threshold distribution based on dollars awarded in the respective categories.

**Subconsultant Analysis**

There were no subconsultant data to be analyzed for Region 3.



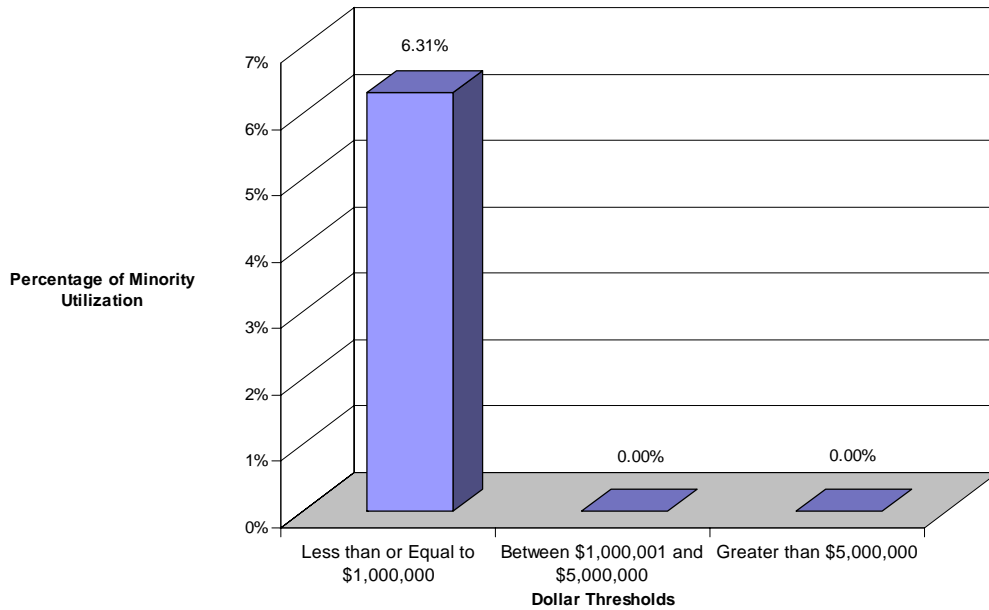
**EXHIBIT 4-115  
REGION 3  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	0	0.00%	0	0.00%	0	0.00%	1	0.90%	6	5.41%	7	6.31%	104	93.69%	111
Between \$1,000,001 and \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	100.00%	4
Greater than \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
<b>Total</b>	0	0.00%	0	0.00%	0	0.00%	1	0.87%	6	5.22%	7	6.09%	108	93.91%	115

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

**EXHIBIT 4-116  
REGION 3  
UTILIZATION OF MINORITY CONSTRUCTION-RELATED PROFESSIONAL  
SERVICES CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

**EXHIBIT 4-117  
REGION 3  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$43,302	0.42%	\$493,977	4.76%	\$537,279	5.18%	\$9,835,255	94.82%	\$10,372,534
Between \$1,000,001 and \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$8,829,245	100.00%	\$8,829,245
Greater than \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
<b>Total</b>	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$43,302	0.23%	\$493,977	2.57%	\$537,279	2.80%	\$18,664,499	97.20%	\$19,201,778

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**4.11.3 Availability**

The availability of construction-related professional services consultants was derived from MGT's master vendor database. **Exhibit 4-118** shows the available construction-related professional services consultants that were located in Region 3. Of the 32 available construction-related professional services firms, 9 were minority firms. The availability of subconsultants in the construction-related professional services business category is not shown due to lack of subconsultant data.

**EXHIBIT 4-118  
REGION 3  
AVAILABILITY OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
CONSULTANTS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	2	6.25%	0	0.00%	0	0.00%	7	21.88%	9	28.13%	23	71.88%	32

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**4.12 Region 4 - Construction-Related Professional services Analysis**

This section presents Region 4's market area analysis for construction-related professional services contract awards, and the utilization and availability analysis of minorities and nonminorities as construction-related professional services consultants.

**4.12.1 Relevant Market Area Analysis**

The data showed that ODOT spent over \$176 million on construction-related professional services contracts during the study period in Region 4. Overall, 445 contracts were awarded to 33 individual firms. **Exhibit 4-119** shows the location of firms awarded construction-related professional services contracts by the respective firms' county of domicile and federal dollar amount in Region 4.

The Region 4 market area for ODOT's construction-related professional services contract awards consists of Deschutes County, Wasco County, Klamath County, and Bend County. The construction-related professional services contracts that were analyzed from the relevant market area are shown in **Appendix K**.

**4.12.2 Utilization Analysis**

**Exhibit 4-120** presents the utilization analysis of construction-related professional services prime consultants in Region 4. Minorities received .04 percent (\$66,000) of the federal construction-related professional services contract dollars awarded to consultants in Region 4. Nonminority women were the only successful minority group, securing all .04 percent (\$66,000) of the construction-related professional services contracts awarded during the eight-year study period. Nonminorities were the least successful in receiving construction-related professional services contract dollars for all eight years of the study period.

**EXHIBIT 4-119  
REGION 4  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

<b>County, State</b>	<b># of Contracts</b>	<b>% of Contracts</b>	<b># of Firms</b>	<b>% of Firms</b>	<b>Federal Dollars</b>	<b>% of Dollars</b>	<b>Cum%<sup>2</sup></b>
<b>DESCHUTES, OR</b>	427	95.96%	27	81.82%	\$173,931,852.16	98.46%	98.46%
<b>WASCO, OR</b>	3	0.67%	3	9.09%	\$162,929.00	0.09%	98.55%
<b>KLAMATH, OR</b>	2	0.45%	2	6.06%	\$1,098,638.00	0.62%	99.18%
<b>BEND, OR</b>	13	2.92%	1	3.03%	\$1,455,711.00	0.82%	100.00%
<b>Total</b>	445	100.00%	33	100.00%	\$176,649,130.16	100.00%	

Source: Oregon Department of Transportation.

<sup>1</sup> Cumulative total of percent of federal dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**EXHIBIT 4-120  
REGION 4  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$18,517,097	100.00%	\$18,517,097
2001	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$6,497,594	100.00%	\$6,497,594
2002	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$10,570,251	100.00%	\$10,570,251
2003	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$14,761,924	100.00%	\$14,761,924
2004	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$13,200	0.04%	\$13,200	0.04%	\$37,620,206	99.96%	\$37,633,406
2005	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$9,903,648	100.00%	\$9,903,648
2006	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$53,493	0.11%	\$53,493	0.11%	\$48,294,240	99.89%	\$48,347,733
2007	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$30,417,478	100.00%	\$30,417,478
<b>Total</b>	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$66,693	0.04%	\$66,693	0.04%	\$176,582,437	99.96%	\$176,649,130

Source: MGT developed a purchase order and vendor database for the Oregon Department of Transportation for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of total dollars awarded annually to prime contractors.

**Exhibits 4-121** and **4-122** show the utilization by the number of contracts and the number of construction-related professional services firms used during the study period. In **Exhibit 4-121**, we show that minorities were the least successful, as opposed to nonminorities, during the study period in winning construction-related professional services contracts from ODOT in Region 4. Minorities received .45 percent of ODOT's construction-related professional services contracts with firms owned by nonminority women receiving all .45 percent of the number of contracts, let during the study period. Nonminorities received 443 of the 445 contracts let. **Exhibit 4-122** shows the distribution of construction-related professional services prime-level consultants that performed work for ODOT. Ninety-four percent of the firms were nonminority-owned, accounting for 31 of the 33 firms utilized by ODOT.

MGT further analyzed the utilization of minority construction-related professional services firms in Region 4 by examining construction-related professional services awards in specific dollar ranges. The established ranges were:

- contracts \$1,000,000 and under;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.



**EXHIBIT 4-121  
REGION 4  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	49	100.00%	49
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	35	100.00%	35
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	58	100.00%	58
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	54	100.00%	54
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.95%	1	0.95%	104	99.05%	105
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	62	100.00%	62
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	2.44%	1	2.44%	40	97.56%	41
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	41	100.00%	41
<b>Total Contracts</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.45%	2	0.45%	443	99.55%	445

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.

**EXHIBIT 4-122  
REGION 4  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	6	100.00%	6
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	100.00%	4
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	8	100.00%	8
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	100.00%	5
2004	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	7.14%	1	7.14%	13	92.86%	14
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	6	100.00%	6
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	14.29%	1	14.29%	6	85.71%	7
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	7	100.00%	7
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	6.06%	2	6.06%	31	93.94%	33

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.

**Threshold Analysis**

**Exhibit 4-123** presents the threshold analysis for construction-related professional services contracts awarded by ODOT during the study period in Region 4. Most contract award amounts by ODOT were less than or equal to \$1 million. ODOT awarded 426 contracts in this category, out of a total 445 contracts (96 percent).

Nonminorities received no less than 99 percent of the construction-related professional services contracts throughout the study period in Region 4. Among minorities, firms owned by nonminority women were the only ones utilized. There was no minority participation in categories above the less than or equal to \$1 million category.

**Exhibit 4-124** presents a graphical representation of the threshold analysis of the utilization of minorities as construction-related professional services consultants during the study period. **Exhibit 4-125** shows the threshold distribution based on dollars awarded in the respective categories.

**Subconsultant Analysis**

There were no subconsultant data available for analysis for Region 4.

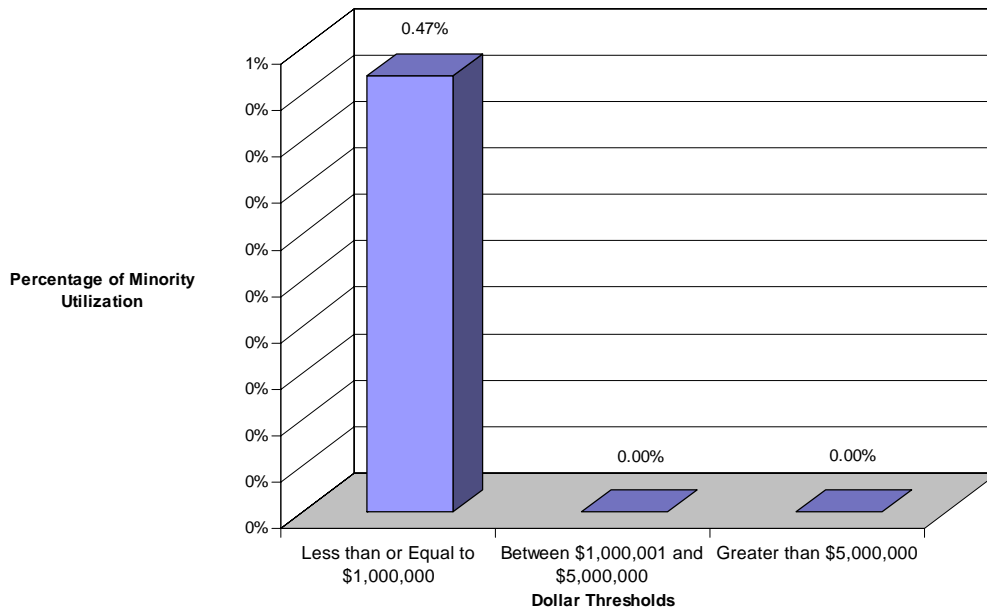
**EXHIBIT 4-123  
REGION 4  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.47%	2	0.47%	424	99.53%	426
Between \$1,000,001 and \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	12	100.00%	12
Greater than \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	7	100.00%	7
<b>Total</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.45%	2	0.45%	443	99.55%	445

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

**EXHIBIT 4-124  
REGION 4  
UTILIZATION OF MINORITY CONSTRUCTION-RELATED PROFESSIONAL  
SERVICES CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

**EXHIBIT 4-125  
REGION 4  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$66,693	0.10%	\$66,693	0.10%	\$65,416,101	99.90%	\$65,482,794
Between \$1,000,001 and \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$27,771,451	100.00%	\$27,771,451
Greater than \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$83,394,885	100.00%	\$83,394,885
<b>Total</b>	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$66,693	0.04%	\$66,693	0.04%	\$176,582,437	99.96%	\$176,649,130

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**4.12.3 Availability**

The availability of construction-related professional services consultants was derived from MGT's master vendor database. **Exhibit 4-126** shows the available construction-related professional services consultants that were located in Region 4. Of the 26 available construction-related professional services firms, 11 were minority firms. The availability of subconsultants in the construction-related professional services business category is not shown due to insufficient data.

**EXHIBIT 4-126  
REGION 4  
AVAILABILITY OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
CONSULTANTS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	0	0.00%	2	7.69%	0	0.00%	9	34.62%	11	42.31%	15	57.69%	26

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**4.13 Region 5 - Construction-Related Professional services Analysis**

This section presents Region 5's market area analysis for construction-related professional services contract awards, and the utilization and availability analysis of minorities and nonminorities as construction-related professional services consultants.

**4.13.1 Relevant Market Area Analysis**

The data showed that ODOT spent over \$8.2 million on federal construction-related professional services contracts during the study period in Region 5. Overall, 57 contracts were awarded to 25 individual firms. **Exhibit 4-127** shows the location of firms awarded construction-related professional services contracts by the respective firms' county of domicile and federal dollar amount.

The Region 5 market area for ODOT's construction-related professional services contract awards consists of Union County, Umatilla County, Grant County, Wallowa

County, Harney County, Baker County, and Malheur County. The construction-related professional services contracts that were analyzed from the relevant market area are shown in **Appendix L**.

***4.13.2 Utilization Analysis***

**Exhibit 4-128** presents the utilization analysis of construction-related professional services prime consultants in Region 5. Minorities received 3 percent (\$280,000) of the federal construction-related professional services contract dollars awarded to consultants in Region 5. Nonminority women were the more successful minority group, securing 3 percent (\$253,000) of the construction-related professional services contracts awarded during the eight-year study period. Next, in order of level of success, were Hispanic Americans with .33 percent of the construction-related professional services contract awards. As a group, nonminorities were the most successful in receiving construction-related professional services contract dollars for all eight years of the study period. There were no successful minorities in 2000, 2001, 2002, 2003, or 2006. There was also no participation in the African-American, Asian-American, or Native-American minority groups.



**EXHIBIT 4-127  
REGION 5  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
RELEVANT MARKET AREA ANALYSIS  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

<b>County, State</b>	<b># of Contracts</b>	<b>% of Contracts</b>	<b># of Firms</b>	<b>% of Firms</b>	<b>Federal Dollars</b>	<b>% of Dollars</b>	<b>Cum%<sup>2</sup></b>
UNION, OR	36	63.16%	13	52.00%	\$4,425,589.21	53.88%	53.88%
UMATILLA, OR	8	14.04%	5	20.00%	\$404,775.00	4.93%	58.80%
GRANT, OR	4	7.02%	2	8.00%	\$205,320.50	2.50%	61.30%
WALLOWA, OR	2	3.51%	2	8.00%	\$124,433.00	1.51%	62.82%
HARNEY, OR	5	8.77%	1	4.00%	\$3,015,199.00	36.71%	99.53%
BAKER, OR	1	1.75%	1	4.00%	\$33,900.00	0.41%	99.94%
MALHEUR, OR	1	1.75%	1	4.00%	\$5,000.00	0.06%	100.00%
<b>Total</b>	57	100.00%	25	100.00%	\$8,214,216.71	100.00%	

Source: Oregon Department of Transportation.

<sup>1</sup> Cumulative total of percent of federal dollars in market area.

<sup>2</sup> Counties above the line are included in the relevant market area.

**EXHIBIT 4-128  
REGION 5  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
UTILIZATION ANALYSIS OF PRIME CONTRACTORS IN THE RELEVANT MARKET AREA  
DOLLARS AND PERCENTAGE OF FEDERAL DOLLARS AWARDED  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
2000	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$80,000	100.00%	\$80,000
2001	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$387,906	100.00%	\$387,906
2002	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$326,260	100.00%	\$326,260
2003	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$163,408	100.00%	\$163,408
2004	\$0	0.00%	\$27,150	0.80%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$27,150	0.80%	\$3,351,605	99.20%	\$3,378,755
2005	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$151,600	11.70%	\$151,600	11.70%	\$1,144,449	88.30%	\$1,296,049
2006	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$656,333	100.00%	\$656,333
2007	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$101,765	5.29%	\$101,765	5.29%	\$1,823,741	94.71%	\$1,925,506
<b>Total</b>	\$0	0.00%	\$27,150	0.33%	\$0	0.00%	\$0	0.00%	\$253,365	3.08%	\$280,515	3.41%	\$7,933,702	96.59%	\$8,214,217

Source: MGT developed a purchase order and vendor database for the Oregon Department of Transportation for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of total dollars awarded annually to prime contractors.

**Exhibits 4-129** and **4-130** show the utilization by the number of contracts and the number of construction-related professional services firms used during the study period in Region 5. In **Exhibit 4-129**, we show that nonminorities were more successful than minorities during the study period in winning construction-related professional services contracts from ODOT. Minorities received 19 percent of ODOT's construction-related professional services contracts, with firms owned by nonminority women receiving 18 percent of the number of contracts let during the study period in Region 5. **Exhibit 4-130** shows the distribution of construction-related professional services prime-level consultants that performed work for ODOT. Eighty percent of the firms were nonminority-owned, accounting for 20 of the 25 firms utilized by ODOT.

MGT further analyzed the utilization of minority construction-related professional services firms by examining construction-related professional services awards in specific dollar ranges. The established ranges were:

- contracts \$1,000,000 and under;
- contracts between \$1,000,001 and \$5 million; and
- contracts over \$5 million.

**EXHIBIT 4-129  
REGION 5  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
AWARDED IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
2000	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	100.00%	1
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	100.00%	5
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	100.00%	5
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2
2004	0	0.00%	1	10.00%	0	0.00%	0	0.00%	0	0.00%	1	10.00%	9	90.00%	10
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	28.57%	2	28.57%	5	71.43%	7
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	100.00%	5
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	8	36.36%	8	36.36%	14	63.64%	22
<b>Total Contracts</b>	0	0.00%	1	1.75%	0	0.00%	0	0.00%	10	17.54%	11	19.30%	46	80.70%	57

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Contracts.

**EXHIBIT 4-130  
REGION 5  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACTS  
NUMBER OF INDIVIDUAL CONTRACTORS  
IN THE RELEVANT MARKET AREA  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Fiscal Year	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	
2000	1	50.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	50.00%	1	50.00%	2
2001	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	100.00%	4
2002	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	100.00%	4
2003	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	100.00%	2
2004	0	0.00%	1	12.50%	0	0.00%	0	0.00%	0	0.00%	1	12.50%	7	87.50%	8
2005	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	25.00%	1	25.00%	3	75.00%	4
2006	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	100.00%	3
2007	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	37.50%	3	37.50%	5	62.50%	8
<b>Individual Firms Over Eight Years<sup>2</sup></b>	0	0.00%	1	4.00%	0	0.00%	0	0.00%	4	16.00%	5	20.00%	20	80.00%	25

Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.

<sup>1</sup> Percent of Total Firms.

<sup>2</sup> "Individual Firms" counts a firm only once for each year the firm receives work. Since a firm could be used in multiple years, the individual firms for the entire period may not equal the sum of all years.

**Threshold Analysis**

**Exhibit 4-131** presents the threshold analysis for construction-related professional services contracts awarded by ODOT during the study period in Region 5. Most contract award amounts by ODOT were less than or equal to \$1 million. ODOT awarded 56 contracts in this category, out of a total 57 contracts (98 percent).

Nonminorities received no less than 80 percent of the construction-related professional services contracts throughout the study period. Among minorities, firms owned by nonminority women were generally the most utilized in comparison to firms owned by other minorities. There was no participation in the greater than \$5 million category. Minorities participated only in the less than or equal to \$1 million category.

**Exhibit 4-132** presents a graphical representation of the threshold analysis of the utilization of minorities as construction-related professional services consultants during the study period. As mentioned earlier, we noted a concentration of contracts awarded in the less than or equal to \$1 million category. **Exhibit 4-133** shows the threshold distribution based on dollars awarded in the respective categories.

**Subconsultant Analysis**

There were no available subconsultant data to analyze for Region 5.

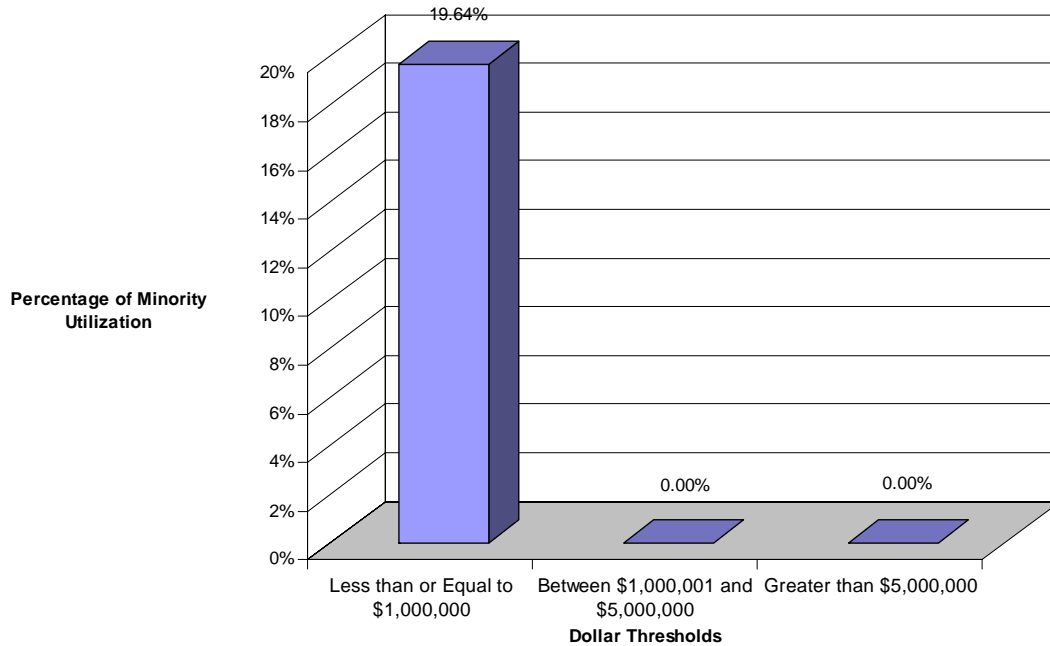
**EXHIBIT 4-131  
REGION 5  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Contracts Awarded
	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#	% <sup>1</sup>	#
Less than or Equal to \$1,000,000	0	0.00%	1	1.79%	0	0.00%	0	0.00%	10	17.86%	11	19.64%	45	80.36%	56
Between \$1,000,001 and \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	100.00%	1
Greater than \$5 million	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
<b>Total</b>	0	0.00%	1	1.75%	0	0.00%	0	0.00%	10	17.54%	11	19.30%	46	80.70%	57

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total contracts awarded annually to prime contractors.

**EXHIBIT 4-132  
REGION 5  
UTILIZATION OF MINORITY CONSTRUCTION-RELATED PROFESSIONAL  
SERVICES CONTRACTORS  
WITHIN THRESHOLD DOLLAR RANGES  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**



Source: MGT developed a contract and vendor database for ODOT for the period of October 1, 1999, through September 30, 2007.



**EXHIBIT 4-133  
REGION 5  
CONSTRUCTION-RELATED PROFESSIONAL SERVICES CONTRACT AWARDS  
THRESHOLD BY DOLLARS AWARDED  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

Threshold	African Americans		Hispanic Americans		Asian Americans		Native Americans		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Federal Dollars Awarded
	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$	% <sup>1</sup>	\$
Less than or Equal to \$1,000,000	\$0	0.00%	\$27,150	0.45%	\$0	0.00%	\$0	0.00%	\$253,365	4.20%	\$280,515	4.65%	\$5,756,352	95.35%	\$6,036,867
Between \$1,000,001 and \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$2,177,350	100.00%	\$2,177,350
Greater than \$5 million	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0	0.00%	\$0
<b>Total</b>	\$0	0.00%	\$27,150	0.33%	\$0	0.00%	\$0	0.00%	\$253,365	3.08%	\$280,515	3.41%	\$7,933,702	96.59%	\$8,214,217

Source: Oregon Department of Transportation.

<sup>1</sup> Percent of total federal dollars awarded annually to prime contractors.

**4.13.3 Availability**

The availability of construction-related professional services consultants was derived from MGT's master vendor database. **Exhibit 4-134** shows the available construction-related professional services consultants that were located in Region 5. Of the 19 available construction-related professional services firms, 6 were minority firms. The availability of subconsultants in the construction-related professional services business category is not shown due to insufficient subconsultant data.

**EXHIBIT 4-134  
REGION 5  
AVAILABILITY OF CONSTRUCTION-RELATED PROFESSIONAL SERVICES  
CONSULTANTS  
BY RACE/ETHNICITY/GENDER CLASSIFICATION  
OCTOBER 1, 1999, THROUGH SEPTEMBER 30, 2007**

	African Americans <sup>1</sup>		Hispanic Americans <sup>1</sup>		Asian Americans <sup>1</sup>		Native Americans <sup>1</sup>		Nonminority Women		Minority Subtotal		Nonminority Firms		Total Firms
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
<b>Total</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%	6	31.58%	6	31.58%	13	68.42%	19

Source: MGT's master vendor database.

<sup>1</sup>Minority male and female firms are included in their respective minority classifications.

**4.14 Summary**

This section contains the results of our analysis of the statewide and regional market areas and utilization and availability of firms for the construction-related professional services business category based on contract data. In summary, minorities were utilized as prime consultants on 4 percent of ODOT's federal construction-related professional services contracts statewide. Minorities experienced a higher level of participation on construction contracts less than or equal to \$1 million. The data showed that as the contract dollar amount increased to amounts greater than \$1 million, the level of minority participation decreased dramatically. Among minorities, nonminority women-owned firms were most utilized, followed by Asian American-owned firms based on dollar value of contracts awarded. Our analysis showed the following levels of minority availability for statewide prime consultants:

Prime Consultants

■ African Americans	3.30%
■ Hispanic Americans	3.80%
■ Asian Americans	6.20%
■ Native Americans	0.90%
■ Women	33.60%

Subconsultants

■ African Americans	3.10%
■ Hispanic Americans	3.60%
■ Asian Americans	5.80%
■ Native Americans	0.95%
■ Women	31.60%

Our analysis of the procurement activity for Region 1 federal construction-related professional services showed that minorities received 5 percent of the prime-level federal consultant dollar awards. Hispanic American-owned firms were the most utilized minority business owner group, accounting for 2 percent of the federal contract dollars.

Minority availability for Region 1 was as follows:

Prime Consultants

■ African Americans	4.5%
■ Hispanic Americans	4.1%
■ Asian Americans	7.2%
■ Native Americans	1.3%
■ Women	33.4%

Subconsultants

■ African Americans	4.3%
■ Hispanic Americans	4.0%
■ Asian Americans	7.1%
■ Native Americans	1.4%
■ Women	32.6%

In Region 2, nonminorities were utilized on 97 percent of the contracts let by ODOT. There was no Asian-American participation in Region 2. The results of the availability of Region 5 firms are as follows:

Prime Consultants

■ African Americans	0.60%
■ Hispanic Americans	3.20%
■ Asian Americans	3.80%
■ Native Americans	0.64%
■ Women	34.40%

Subconsultants

■ African Americans	0.57%
■ Hispanic Americans	2.80%
■ Asian Americans	3.40%
■ Native Americans	0.56%
■ Women	31.80%

In Region 3, nonminorities received 97.2 percent of federal construction-related professional services contracts let by ODOT. Nonminority women and Native Americans received 2.8 percent, representing the minority groups. The summary of the available firms in Region 3 is as follows:

Prime Consultants

■ African Americans	0.0%
■ Hispanic Americans	6.3%
■ Asian Americans	0.0%
■ Native Americans	0.0%
■ Women	21.9%

In Region 4, nonminorities received almost 100 percent of construction-related professional services contracts let by ODOT. The summary of the available minority firms in Region 4 is as follows:

Prime Consultants

■ African Americans	0.0%
■ Hispanic Americans	0.0%
■ Asian Americans	7.7%
■ Native Americans	0.0%
■ Women	34.6%

In Region 5, nonminorities received 97 percent of the construction-related professional services contracts let by ODOT. However, nonminority women received 3.1

percent and Hispanic-American firms received .33 percent. The summary of available firms in Region 5 is as follows:

**Prime Consultants**

- African Americans                    0.0%
- Hispanic Americans                5.0%
- Asian Americans                    0.0%
- Native Americans                  0.0%
- Women                                30.0%

**Exhibits 4-135, Exhibit 4-136, and Exhibit 4-137** summarize the analysis results presented in this chapter.

**EXHIBIT 4-135  
SUMMARY OF UTILIZATION  
BY BUSINESS CATEGORY**

<b>Business Category</b>	<b>African American</b>	<b>Hispanic American</b>	<b>Asian American</b>	<b>Native American</b>	<b>Nonminority Women</b>	<b>Nonminority Firms</b>
Construction Prime Contractors	\$0.00	\$28,765,101	\$1,006,766	\$19,116,010	\$60,654,778.95	\$1,835,251,659.87
Construction Subcontractors	\$928,309.00	\$43,076,090	\$6,662,421.12	\$58,325,821	\$152,264,749.75	\$450,091,804.10
Construction-Related Professional Services	\$1,653,545.00	\$15,708,559	\$4,759,754	\$4,203,297	\$21,605,340.54	\$1,199,659,010.81
Construction-Related Professional Services Subs	\$0.00	\$0	\$0	\$0	\$29,562.00	\$0.00

Source: Chapter 4.0, Analysis Results.

**EXHIBIT 4-136  
PERCENTAGE UTILIZATION  
BY BUSINESS CATEGORY**

<b>Business Category</b>	<b>African American</b>	<b>Hispanic American</b>	<b>Asian American</b>	<b>Native American</b>	<b>Nonminority Women</b>	<b>Nonminority Firms</b>
Construction Prime Contractors	0.00%	1.48%	0.05%	0.98%	3.12%	94.37%
Construction Subcontractors	0.13%	6.06%	0.94%	8.20%	21.41%	63.27%
Construction-Related Professional Services	0.13%	1.26%	0.38%	0.34%	1.73%	96.16%
Construction-Related Professional Services Subs	0.00%	\$0.00	0.00%	0.00%	100.00%	0.00%

Source: Chapter 4.0, Analysis Results.

**EXHIBIT 4-137  
SUMMARY OF MINORITY AVAILABILITY  
BY BUSINESS CATEGORY**

<b>Business Category</b>	<b>African American</b>	<b>Hispanic American</b>	<b>Asian American</b>	<b>Native American</b>	<b>Nonminority Women</b>
Construction Primes	0.00%	3.27%	0.93%	1.87%	13.08%
Construction Subs	2.28%	3.58%	2.60%	2.82%	18.22%
Construction-Related Professional Services	3.33%	3.84%	6.15%	0.90%	33.55%
Construction-Related Professional Services Subs	3.08%	3.55%	5.80%	0.95%	31.60%

Source: Chapter 4.0, Analysis Results.