



# Research Notes

RSN 03-04

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## Aggregate Needs

This study identified and inventoried ODOT-owned and leased aggregate sites throughout the state, assessing the quality and estimated quantity of material. In addition, an aggregate needs forecast was prepared, projecting that 60,801,320 Mg of aggregate will be required for paving projects, bridge rehabilitation and reconstruction, OTIA, modernization projects, and maintenance needs over the next 15 years.

A comparison was made between the 15-year forecast and the estimated reserve from potentially significant and/or key sites for each ODOT District. In seven of the Districts, the estimated reserve exceeds the forecast need. However, in the other eight districts the need exceeds the reserve. In Districts 2B, 3, 5 11 and 13 the estimated reserve is significantly less than the forecast demand.

Estimated reserves were based on field calculations. This study considered only sources of high quality rock suitable as base rock paving and reinforced concrete structures, and did not address ODOT needs for sand and lower quality fill materials. In addition, the study did not determine whether or not a site is actually usable. A closer look at the distribution of sites and

reserves in the study shows that some areas of the state are resource poor, and locations of large reserves do not necessarily match with the areas of highest projected need.

For state owned or leased aggregate sites considered potentially significant or otherwise strategically important, ODOT should develop a program to protect those sites from future incompatible adjacent land uses. This would include submitting a Post-Acknowledgement Plan Amendment (PAPA) application to the local governments having jurisdiction over the sites.

Each individual ODOT owned or leased site was cataloged using an access database. Along with the database, a document was produced for each district containing individual site information.

A large part of the project included identifying ODOT owned or leased sites prior to field inspections. For this, maps were obtained from ODOT's Right-of-Way office, District Offices and from individual County Assessor's Offices.

A field inspection was conducted for each possible ODOT source.

**Request a copy of the report**

***“Aggregate Resource Inventory and Needs Forecast Study”***

**from the Research Group by phone, e-mail, or in person. Or view the report on the Research web page listed below.**

***For more information, contact McGregor Lynde, Research Specialist, at 503-986-2852, or via e-mail at [mcgregor.lynde@odot.state.or.us](mailto:mcgregor.lynde@odot.state.or.us)***



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