



Issue Paper #13: Davis Demographics Enrollment Forecasts

1. Background

The Hillsboro School District's Long Range Facility Plan relied on student enrollment forecasts prepared by Portland State University. These forecasts, while helpful, are at a high level and do not examine detailed data at a site specific level (e.g. assessing specific approved development projects and translating that information into anticipated students). Given the residential development information received from the cities of Hillsboro, Cornelius and North Plains as well as discussions with individual developers, the District felt it was prudent to conduct a more detailed assessment of the next ten years in terms of anticipated student enrollment growth.

The District contracted with Davis Demographics (DDP) to develop and analyze demographic data relevant to the District's facility planning efforts and provide the District with updated enrollment forecasts based on a more detailed and site specific assessment of known commitments and trends in residential development. The product of this work included developing and researching pertinent demographic data, identifying future residential development plans, and developing a 10-year student population projection based on this information. This forecast was at both the district-wide level and by attendance areas at the three school levels. DDP will continue to work with the District to assess how these trends may affect future student population; and to assist in illustrating facility adjustments and decisions that may be necessary to accommodate the potential student population shifts. The District can then use this information to better plan for the need, location and timing of new or expanded facilities.

2. Demographics / Enrollment Summary

Staff will provide a more detailed discussion of the results of the DDP forecasts at the January 4th Bond Advisory Committee meeting. The attached table provides a summary of the 10-year district wide student population forecast. As a quick comparison with the PSU forecasts previously shared with the Bond Advisory Committee, the DDP Fall 2026 student population forecast of 22,524 basically replicates the PSU Fall 2030 Middle Series forecast of 22,383. In other words, the DDP forecast is more aggressive. It sees the PSU forecast being reached in 2022. We believe that, given what we know of residential developments that are committed and underway, the DDP forecast is probably the more likely student population growth scenario for the next ten years and facility decisions should rely on this forecasts.

We received the draft DDP report on December 27th and will have a more detailed assessment and discussion with the Committee on the reports' implications on January 4th.

District Wide Projection

District-Wide Student Population Projections

Projection Date 10/15/2016

| | Actual | | TEN-YEAR PROJECTIONS | | | | | | | | |
|----------------------------------|-----------|-----------|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Fall 2016 | Fall 2017 | Fall 2018 | Fall 2019 | Fall 2020 | Fall 2021 | Fall 2022 | Fall 2023 | Fall 2024 | Fall 2025 | Fall 2026 |
| K | 1,350 | 1,328.8 | 1,336.8 | 1,342.0 | 1,271.7 | 1,278.7 | 1,287.4 | 1,292.9 | 1,299.2 | 1,304.2 | 1,309.9 |
| 1 | 1,307 | 1,442.8 | 1,422.4 | 1,425.9 | 1,430.6 | 1,356.2 | 1,365.2 | 1,371.6 | 1,377.1 | 1,382.5 | 1,388.1 |
| 2 | 1,421 | 1,321.4 | 1,458.7 | 1,434.1 | 1,436.1 | 1,439.5 | 1,366.7 | 1,373.0 | 1,379.0 | 1,382.7 | 1,387.8 |
| 3 | 1,362 | 1,423.1 | 1,325.8 | 1,456.4 | 1,430.3 | 1,431.8 | 1,436.2 | 1,362.1 | 1,367.9 | 1,372.0 | 1,375.4 |
| 4 | 1,366 | 1,381.8 | 1,445.7 | 1,343.9 | 1,475.3 | 1,448.8 | 1,452.5 | 1,453.8 | 1,380.2 | 1,384.4 | 1,388.5 |
| 5 | 1,312 | 1,380.1 | 1,397.8 | 1,453.5 | 1,351.9 | 1,477.8 | 1,453.1 | 1,454.7 | 1,455.3 | 1,380.8 | 1,385.0 |
| 6 | 1,315 | 1,338.1 | 1,407.0 | 1,417.4 | 1,474.4 | 1,374.2 | 1,499.3 | 1,471.9 | 1,473.6 | 1,473.0 | 1,399.1 |
| 7 | 1,312 | 1,318.2 | 1,342.6 | 1,403.6 | 1,417.9 | 1,470.9 | 1,373.8 | 1,495.9 | 1,469.2 | 1,469.0 | 1,467.4 |
| 8 | 1,282 | 1,343.3 | 1,351.8 | 1,374.0 | 1,434.1 | 1,447.0 | 1,501.3 | 1,402.8 | 1,525.7 | 1,496.6 | 1,496.7 |
| 9 | 1,278 | 1,340.3 | 1,402.4 | 1,410.1 | 1,431.7 | 1,498.2 | 1,513.6 | 1,566.4 | 1,466.0 | 1,585.2 | 1,556.3 |
| 10 | 1,349 | 1,285.0 | 1,345.8 | 1,405.0 | 1,413.0 | 1,434.9 | 1,501.1 | 1,512.9 | 1,565.4 | 1,464.6 | 1,581.7 |
| 11 | 1,278 | 1,344.4 | 1,283.4 | 1,339.0 | 1,397.4 | 1,406.2 | 1,426.2 | 1,489.8 | 1,506.8 | 1,559.1 | 1,456.1 |
| 12 | 1,381 | 1,396.8 | 1,466.9 | 1,401.7 | 1,460.6 | 1,519.4 | 1,531.7 | 1,557.9 | 1,625.8 | 1,632.4 | 1,692.8 |
| Resident Subtotals: | | | | | | | | | | | |
| K-6 | 8,118 | 8,278.0 | 8,387.2 | 8,455.8 | 8,395.9 | 8,432.8 | 8,361.1 | 8,308.1 | 8,258.7 | 8,206.6 | 8,234.7 |
| 7-8 | 3,909 | 3,999.6 | 4,101.4 | 4,195.0 | 4,326.4 | 4,292.1 | 4,374.4 | 4,370.6 | 4,468.5 | 4,438.6 | 4,363.2 |
| 9-12 | 5,286 | 5,366.5 | 5,498.5 | 5,555.8 | 5,702.7 | 5,858.7 | 5,972.6 | 6,127.0 | 6,164.0 | 6,241.3 | 6,286.9 |
| K-12 | 17,313 | 17,644.1 | 17,987.1 | 18,206.6 | 18,425.0 | 18,583.6 | 18,708.1 | 18,805.7 | 18,891.2 | 18,886.5 | 18,884.8 |
| Out-of District Students: | | | | | | | | | | | |
| K-6 | 300 | 305.9 | 309.9 | 312.5 | 310.3 | 311.6 | 309.0 | 307.0 | 305.2 | 303.3 | 304.3 |
| 7-8 | 77 | 78.8 | 80.8 | 82.6 | 85.2 | 84.5 | 86.2 | 86.1 | 88.0 | 87.4 | 85.9 |
| 9-12 | 188 | 190.9 | 195.6 | 197.6 | 202.8 | 208.4 | 212.4 | 217.9 | 219.2 | 222.0 | 223.6 |
| K-12 | 565 | 575.6 | 586.3 | 592.7 | 598.3 | 604.5 | 607.6 | 611.0 | 612.4 | 612.7 | 613.9 |
| Special Ed: | | | | | | | | | | | |
| K-6 | 1,363 | 1,389.9 | 1,408.2 | 1,419.7 | 1,409.7 | 1,415.9 | 1,403.8 | 1,394.9 | 1,386.6 | 1,377.9 | 1,382.6 |
| 7-8 | 441 | 451.2 | 462.7 | 473.3 | 488.1 | 484.2 | 493.5 | 493.1 | 504.1 | 500.7 | 492.2 |
| 9-12 | 939 | 953.3 | 976.7 | 986.9 | 1,013.0 | 1,040.7 | 1,061.0 | 1,088.4 | 1,095.0 | 1,108.7 | 1,116.8 |
| K-12 | 2,743 | 2,794.4 | 2,847.7 | 2,879.9 | 2,910.8 | 2,940.8 | 2,958.3 | 2,976.4 | 2,985.7 | 2,987.3 | 2,991.6 |
| Home School: | | | | | | | | | | | |
| K-6 | 14 | 14.3 | 14.5 | 14.6 | 14.5 | 14.5 | 14.4 | 14.3 | 14.2 | 14.2 | 14.2 |
| 7-8 | 5 | 5.1 | 5.2 | 5.4 | 5.5 | 5.5 | 5.6 | 5.6 | 5.7 | 5.7 | 5.6 |
| 9-12 | 12 | 12.2 | 12.5 | 12.6 | 12.9 | 13.3 | 13.6 | 13.9 | 14.0 | 14.2 | 14.3 |
| K-12 | 31 | 31.6 | 32.2 | 32.6 | 33.0 | 33.3 | 33.5 | 33.7 | 33.8 | 33.8 | 33.8 |
| Unmatched: | | | | | | | | | | | |
| K-6 | 4 | 4.1 | 4.1 | 4.2 | 4.1 | 4.2 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 |
| 7-8 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9-12 | 6 | 6.1 | 6.2 | 6.3 | 6.5 | 6.7 | 6.8 | 7.0 | 7.0 | 7.1 | 7.1 |
| K-12 | 10 | 10.2 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.8 | 10.8 | 10.8 | 10.9 |
| Totals: | | | | | | | | | | | |
| K-6 | 9,799 | 9,988 | 10,120 | 10,203 | 10,130 | 10,175 | 10,088 | 10,024 | 9,965 | 9,902 | 9,936 |
| 7-8 | 4,432 | 4,535 | 4,650 | 4,756 | 4,905 | 4,866 | 4,960 | 4,955 | 5,066 | 5,032 | 4,947 |
| 9-12 | 6,431 | 6,523 | 6,683 | 6,753 | 6,931 | 7,121 | 7,260 | 7,447 | 7,492 | 7,586 | 7,642 |
| K-12 | 20,662 | 21,045.6 | 21,453.2 | 21,711.8 | 21,967.0 | 22,162.3 | 22,307.5 | 22,426.9 | 22,523.3 | 22,520.5 | 22,524.3 |
| Rate of Change: | | | | | | | | | | | |
| K-6 | | 189.1 | 131.8 | 82.8 | -72.3 | 44.5 | -86.5 | -63.9 | -59.6 | -62.9 | 33.9 |
| 7-8 | | 102.7 | 115.4 | 106.1 | 149.0 | -38.9 | 93.3 | -4.3 | 111.0 | -33.9 | -85.5 |
| 9-12 | | 91.8 | 160.4 | 69.6 | 178.6 | 189.6 | 138.4 | 187.7 | 45.0 | 94.0 | 55.4 |
| K-12 | | 383.6 | 407.6 | 258.5 | 255.3 | 195.2 | 145.2 | 119.4 | 96.4 | -2.8 | 3.8 |



December 22, 2016

The above data is based upon a database download provided to DDP by the Hillsboro SD representing enrollment around the Fall 2016 Reporting date (early-October 2016).
 The above figures DO NOT include Pre-School or Pre-Kindergarten students
 Projections are based upon student residence, not upon school of attendance.