### Table 10.1: Strain in Micro Strain

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Strain Gauge Measurements On The Surface Of The Concrete Slab Above The Test Beam: Location 2 (~ 1/4 Span)

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### Table 10.1

<p>| Strain Gauge Measurements On The Surface Of The Concrete Slab Above The Test Beam: Location 2 (~ 1/4 Span) |
|---|---|---|---|---|---|---|
| 103.0 | -455 | -371 | -497 | -686 | -472 | -487 |
| 103.5 | -462 | -375 | -504 | -689 | -473 | -486 |
| 104.0 | -468 | -378 | -524 | -700 | -476 | -486 |
| 104.5 | -474 | -380 | -531 | -706 | -482 | -487 |
| 105.0 | -479 | -381 | -547 | -715 | -485 | -483 |
| 105.5 | -518 | -395 | -556 | -721 | -487 | -481 |
| 106.0 | -526 | -397 | -562 | -724 | -488 | -479 |
| 106.5 | -532 | -403 | -571 | -728 | -489 | -480 |
| 107.0 | -539 | -409 | -580 | -732 | -492 | -480 |
| 107.5 | -551 | -420 | -591 | -739 | -498 | -481 |
| 108.0 | -554 | -425 | -608 | -754 | -497 | -480 |
| 108.5 | -557 | -426 | -615 | -758 | -500 | -482 |
| 109.0 | -558 | -429 | -624 | -762 | -500 | -484 |
| 109.5 | -558 | -432 | -634 | -768 | -505 | -483 |
| 110.0 | -558 | -433 | -643 | -772 | -505 | -482 |
| 110.5 | -558 | -434 | -660 | -776 | -507 | -482 |
| 111.0 | -558 | -436 | -668 | -780 | -508 | -480 |
| 111.5 | -558 | -436 | -668 | -784 | -512 | -482 |
| 112.0 | -559 | -440 | -678 | -788 | -513 | -481 |
| 112.5 | -559 | -444 | -695 | -796 | -515 | -483 |
| 113.0 | -560 | -448 | -705 | -803 | -517 | -482 |
| 113.5 | -560 | -450 | -714 | -806 | -519 | -480 |
| 114.0 | -561 | -452 | -729 | -815 | -524 | -482 |
| 114.5 | -562 | -456 | -738 | -818 | -526 | -483 |
| 115.0 | -563 | -459 | -746 | -825 | -532 | -486 |
| 115.5 | -563 | -462 | -753 | -828 | -533 | -485 |
| 116.0 | -564 | -464 | -761 | -833 | -534 | -484 |
| 116.5 | -564 | -464 | -769 | -836 | -534 | -484 |
| 117.0 | -565 | -467 | -775 | -838 | -532 | -480 |
| 117.5 | -565 | -466 | -782 | -841 | -535 | -480 |
| 118.0 | -566 | -469 | -789 | -849 | -543 | -482 |
| 118.5 | -567 | -468 | -797 | -851 | -543 | -480 |
| 119.0 | -567 | -472 | -806 | -855 | -544 | -483 |
| 119.5 | -568 | -474 | -814 | -862 | -551 | -484 |
| 120.0 | -570 | -478 | -821 | -867 | -553 | -484 |
| 120.5 | -573 | -479 | -828 | -869 | -553 | -482 |
| 121.0 | -574 | -483 | -835 | -872 | -555 | -480 |
| 121.5 | -575 | -483 | -841 | -877 | -560 | -482 |
| 122.0 | -577 | -484 | -847 | -880 | -559 | -481 |
| 122.5 | -579 | -487 | -853 | -885 | -562 | -478 |
| 123.0 | -580 | -490 | -857 | -890 | -568 | -484 |
| 123.5 | -581 | -491 | -862 | -891 | -565 | -477 |
| 124.0 | -582 | -494 | -866 | -896 | -568 | -476 |
| 124.5 | -584 | -492 | -869 | -900 | -574 | -479 |
| 125.0 | -585 | -496 | -872 | -903 | -574 | -478 |
| 125.5 | -586 | -499 | -875 | -904 | -571 | -474 |
| 126.0 | -587 | -496 | -878 | -907 | -571 | -471 |
| 126.5 | -588 | -496 | -880 | -910 | -571 | -467 |
| 127.0 | -590 | -499 | -883 | -914 | -576 | -474 |
| 127.5 | -591 | -504 | -888 | -919 | -576 | -473 |
| 128.0 | -593 | -506 | -889 | -922 | -581 | -473 |
| 128.5 | -594 | -506 | -892 | -921 | -574 | -471 |
| 129.0 | -596 | -508 | -896 | -925 | -574 | -469 |
| 129.5 | -597 | -508 | -898 | -933 | -582 | -470 |
| 130.0 | -597 | -510 | -904 | -937 | -584 | -473 |
| 130.5 | -598 | -514 | -909 | -934 | -582 | -470 |
| 131.0 | -599 | -512 | -911 | -936 | -583 | -470 |
| 131.5 | -599 | -512 | -913 | -941 | -584 | -467 |
| 132.0 | -600 | -512 | -914 | -943 | -581 | -467 |
| 132.5 | -600 | -512 | -916 | -943 | -582 | -468 |
| 133.0 | -601 | -519 | -919 | -941 | -583 | -467 |</p>
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<th>Strain Gauge Measurements On The Surface Of The Concrete Slab Above The Test Beam: Location 2 (~ 1/4 Span)</th>
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Table 10.1
| Strain Gauge Measurements On The Surface Of The Concrete Slab Above The Test Beam : Location 2 ( ~ 1/4 Span ) |
|---|---|---|---|---|
| Time (sec) | X (mm) | Y (mm) | Z (mm) | V (mm) |
| 334.0 | -1536 | -729 | -251 | 252 |
| 344.0 | -1536 | -738 | -269 | 241 |
| 354.0 | -1539 | -739 | -306 | 228 |
| 364.0 | -1543 | -748 | -336 | 213 |
| 374.0 | -1547 | -747 | -355 | 204 |
| 384.0 | -1559 | -755 | -372 | 188 |
| 394.0 | -1573 | -758 | -382 | 172 |
| 404.0 | -1590 | -760 | -390 | 156 |
| 414.0 | -1604 | -762 | -395 | 142 |
| 424.0 | -1623 | -770 | -406 | 128 |
| 434.0 | -1633 | -773 | -415 | 116 |
| 444.0 | -1646 | -784 | -425 | 98 |
| 454.0 | -1643 | -785 | -430 | 86 |
| 464.0 | -1647 | -796 | -440 | 70 |
| 474.0 | -1643 | -798 | -445 | 58 |
| 484.0 | -1639 | -807 | -454 | 40 |
| 494.0 | -1634 | -811 | -463 | 28 |
| 504.0 | -1626 | -817 | -467 | 20 |
| 514.0 | -1621 | -820 | -470 | 8 |
| 524.0 | -1618 | -828 | -477 | -6 |
| 534.0 | -1610 | -830 | -482 | -16 |
| 544.0 | -1604 | -833 | -486 | -25 |
| 554.0 | -1599 | -839 | -492 | -36 |
| 564.0 | -1590 | -839 | -494 | -44 |
| 574.0 | -1584 | -843 | -499 | -57 |
| 584.0 | -1577 | -847 | -501 | -63 |
| 594.0 | -1567 | -847 | -502 | -69 |
| 604.0 | -1560 | -847 | -504 | -77 |
| 614.0 | -1550 | -847 | -506 | -83 |
| 624.0 | -1543 | -846 | -507 | -90 |
| 634.0 | -1536 | -850 | -511 | -99 |
| 644.0 | -1525 | -849 | -510 | -105 |
| 654.0 | -1515 | -851 | -513 | -111 |
| 664.0 | -1505 | -853 | -514 | -117 |
| 674.0 | -1495 | -850 | -511 | -122 |
| 684.0 | -1483 | -851 | -516 | -127 |
| 694.0 | -1471 | -852 | -517 | -133 |
| 704.0 | -1461 | -852 | -516 | -138 |
| 714.0 | -1451 | -853 | -516 | -143 |
| 724.0 | -1440 | -849 | -513 | -145 |
| 734.0 | -1432 | -850 | -514 | -149 |
| 744.0 | -1422 | -848 | -512 | -151 |
| 754.0 | -1411 | -849 | -514 | -154 |
| 764.0 | -1401 | -850 | -517 | -158 |
| 774.0 | -1395 | -846 | -512 | -162 |
| 784.0 | -1385 | -850 | -518 | -167 |
| 794.0 | -1378 | -852 | -520 | -172 |
| 804.0 | -1368 | -851 | -520 | -176 |
| 814.0 | -1362 | -852 | -523 | -181 |
| 824.0 | -1354 | -853 | -525 | -183 |
| 834.0 | -1345 | -849 | -518 | -186 |
| 844.0 | -1338 | -850 | -522 | -191 |
| 854.0 | -1331 | -848 | -520 | -192 |
| 864.0 | -1323 | -848 | -520 | -196 |
| 874.0 | -1316 | -847 | -519 | -197 |
| 884.0 | -1309 | -851 | -525 | -203 |
| 894.0 | -1302 | -851 | -524 | -204 |
| 904.0 | -1294 | -850 | -526 | -208 |
| 914.0 | -1288 | -850 | -525 | -210 |
| 924.0 | -1282 | -849 | -525 | -211 |
| 934.0 | -1277 | -849 | -525 | -214 |
| 944.0 | -1271 | -847 | -525 | -219 |
| 954.0 | -1267 | -849 | -525 | -221 |
| 964.0 | -1261 | -848 | -523 | -221 |
| 974.0 | -1230 | -845 | -520 | -235 |
| 984.0 | -1217 | -845 | -520 | -237 |
| 994.0 | -1208 | -842 | -517 | -239 |

Table 10.1