## SAMPLE DESIGN STUDY (40'S)

Retirement Plan Study<br>Plan Design Chart

Owners
401(k)

Non Elective Safe Harbor

Profit Sharing

Cash Balance Plan

Overall Total

Other Employee Totals
401(k)

Non Elective Safe Harbor

Profit Sharing

Cash Balance Plan

| Alternative \#1 <br> 401(k) Profit Sharing Plan Only | Alternative \#2 <br> Limit Profit Sharing; Add Maximum Cash Balance Plan |
| :---: | :---: |
| Limited to \$19,500 for 2020 ( $\$ 26,000$ if age 50 or older) | Limited to \$19,500 for 2020 ( $\$ 26,000$ if age 50 or older) |
| N/A | N/A |
| Allocation equal to maximum available | Limited based upon combined plan deduction limits |
| N/A | Allocation equal to maximum benefit limit based upon age |
| \$114,000 | \$349,803 |
| Available at each employees' election; shown at $5 \%$ of comp. | Available at each employees' election; shown at $5 \%$ of comp. |
| 3.00\% of comp. | 3.00\% of comp. |
| 2.00\% of comp. | $3.42 \%$ of comp. |
| N/A | Amount needed to provide an increase in Accrued Benefit of $0.5 \%$ of Compensation at Normal Retirement Age using actuarial equivalence. |

## SAMPLE DESIGN STUDY (40'S)

Retirement Plan Study
Summary

| Name | Nearest Age @ 12/31/20 | Projected Comp. (as limited) | Alternative \#1 <br> 401(k) Profit <br> Sharing Plan Only | Alternative \#2 Limit Profit Sharing; Add Maximum Cash Balance Plan |
| :---: | :---: | :---: | :---: | :---: |
| Owner 1 | 48 | 285,000 | 57,000 | 191,902 |
| Owner 2 | 43 | 285,000 | 57,000 | 157,901 |
| Owner Totals |  | 570,000 | 114,000 | 349,803 |
| Employee 1 | 45 | 50,000 | 2,500 | 4,670 |
| Employee 2 | 35 | 35,000 | 1,799 | 3,810 |
| Employee 3 | 25 | 25,000 | 1,250 | 1,881 |
| Employee Totals |  | 110,000 | 5,549 | 10,361 |
| Overall Allocation Totals |  | 680,000 | 119,549 | 360,164 |

## SAMPLE DESIGN STUDY (40'S)

Retirement Plan Study<br>401(k) and Cash Balance Plans<br>Illustration A-1<br>For the Plan Year Ending December 31, 2019

| Name | Wages | 401(k) <br> Deferrals | Safe Harbor Non-Elective | SH \% of Wages | Profit Sharing Allocation | PS \% of Wages | Cash Balance Allocation | CB \% of Wages | Total Employer Contribution |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Owners: |  |  |  |  |  |  |  |  |  |
| Owner 1 | \$285,000.00 | \$19,500.00 | \$0.00 | 0.00\% | \$37,500.00 | 13.16\% | \$0.00 | 0.00\% | \$57,000.00 |
| Owner 2 | \$285,000.00 | \$19,500.00 | \$0.00 | 0.00\% | \$37,500.00 | 13.16\% | \$0.00 | 0.00\% | \$57,000.00 |
|  | \$570,000.00 | \$39,000.00 | \$0.00 |  | \$75,000.00 |  | \$0.00 |  | \$114,000.00 |
|  | 83.82\% | 87.64\% | 0.00\% |  | 97.09\% |  | 0.00\% |  | 95.36\% |
| Non-owners: |  |  |  |  |  |  |  |  |  |
| Employee 1 | \$50,000.00 | \$2,500.00 | \$1,500.00 | 3.00\% | \$1,000.00 | 2.00\% | \$0.00 | 0.00\% | \$2,500.00 |
| Employee 2 | \$35,000.00 | \$1,750.00 | \$1,050.00 | 3.00\% | \$749.00 | 2.14\% | \$0.00 | 0.00\% | \$1,799.00 |
| Employee 3 | \$25,000.00 | \$1,250.00 | \$750.00 | 3.00\% | \$500.00 | 2.00\% | \$0.00 | 0.00\% | \$1,250.00 |
| Sub-total: | \$110,000.00 | \$5,500.00 | \$3,300.00 |  | \$2,249.00 |  | \$0.00 |  | \$5,549.00 |
| Total: | \$680,000.00 | \$44,500.00 | \$3,300.00 |  | \$77,249.00 |  | \$0.00 |  | \$119,549.00 |

The pension contributions are based on plan funding rules and distributions are not necessarily equal to the funding amounts.

## SAMPLE DESIGN STUDY (40'S)

Retirement Plan Study
401(k) and Cash Balance Plans
Illustration A-1
For the Plan Year Ending December 31, 2019


Your Plan is designed to maximize contributions for certain employees. As noted above, owners of the company received $83 \%$ of contributions to your plan and all other employees eligible for the plan received $17 \%$ of contributions. Contributions for these calculations include 401(k) and Roth for owners.

## SAMPLE DESIGN STUDY (40'S)

Retirement Plan Study<br>401(k) and Cash Balance Plans<br>Illustration A-2<br>For the Plan Year Ending December 31, 2019

| Name | Wages | 401(k) <br> Deferrals | Safe Harbor Non-Elective | SH \% of Wages | Profit Sharing Allocation | PS \% of Wages | Cash Balance Allocation | CB \% of Wages | Total Employer Contribution |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Owners: |  |  |  |  |  |  |  |  |  |
| Owner 1 | \$285,000.00 | \$19,500.00 | \$0.00 | 0.00\% | \$16,401.50 | 5.75\% | \$156,000.00 | 54.74\% | \$191,901.50 |
| Owner 2 | \$285,000.00 | \$19,500.00 | \$0.00 | 0.00\% | \$16,401.50 | 5.75\% | \$122,000.00 | 42.81\% | \$157,901.50 |
|  | \$570,000.00 | \$39,000.00 | \$0.00 |  | \$32,803.00 |  | \$278,000.00 |  | \$349,803.00 |
|  | 83.82\% | 87.64\% | 0.00\% |  | 87.47\% |  | 99.16\% |  | 97.12\% |
| Non-owners: |  |  |  |  |  |  |  |  |  |
| Employee 1 | \$50,000.00 | \$2,500.00 | \$1,500.00 | 3.00\% | \$1,710.00 | 3.42\% | \$1,460.00 | 2.92\% | \$4,670.00 |
| Employee 2* | \$35,000.00 | \$1,750.00 | \$1,050.00 | 3.00\% | \$2,132.00 | 6.09\% | \$628.00 | 1.79\% | \$3,810.00 |
| Employee 3 | \$25,000.00 | \$1,250.00 | \$750.00 | 3.00\% | \$855.00 | 3.42\% | \$276.00 | 1.10\% | \$1,881.00 |
| Sub-total: | \$110,000.00 | \$5,500.00 | \$3,300.00 |  | \$4,697.00 |  | \$2,364.00 |  | \$10,361.00 |
| Total: | \$680,000.00 | \$44,500.00 | \$3,300.00 |  | \$37,500.00 |  | \$280,364.00 |  | \$360,164.00 |

The pension contributions are based on plan funding rules and distributions are not necessarily equal to the funding amounts.

* denotes employee received an additional profit sharing allocation in order to pass non discrimination testing.


## SAMPLE DESIGN STUDY (40'S)

Retirement Plan Study
401(k) and Cash Balance Plans
Illustration A-2
For the Plan Year Ending December 31, 2019


Your Plan is designed to maximize contributions for certain employees. As noted above, owners of the company received $83 \%$ of contributions to your plan and all other employees eligible for the plan received $17 \%$ of contributions. Contributions for these calculations include 401(k) and Roth for owners.

