

RESOLUTION NO. 7294

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDLANDS
ESTABLISHING TRAFFIC REGULATIONS PURSUANT TO TITLE 10 OF THE
REDLANDS MUNICIPAL CODE

WHEREAS, pursuant to studies made under the authority of Title 10 of the Redlands Municipal Code, and the presentation of information contained in such studies, the City Council of the City of Redlands has determined that certain traffic regulations are necessary to protect the public health, safety and welfare and should be established pursuant to Title 10 of the Redlands Municipal Code;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF REDLANDS as follows:

Section 1. Pursuant to Section 10.24.010 of the Redlands Municipal Code, a traffic engineering investigation (Engineering and Traffic Survey and Speed Survey Data sheets), attached hereto as Exhibit "A" and made a part thereof, has been conducted for the following highways and the following speed limits are hereby found most appropriate to facilitate the orderly movement of traffic, and are reasonable and safe:

Highway: Garden Street

Date of Study: March 5, 2013

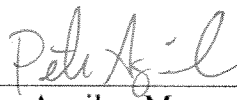
Speed Limits as follows:

35 mph on Garden Street between Cajon Street and Mariposa Drive.

Section 2. The City Engineer of the City of Redlands is hereby directed to perform such acts as are necessary to effectuate this Resolution.

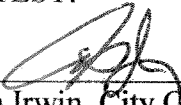
Section 3. This City Council further determines that the approval of this Resolution is exempt from review under the California Environmental Quality Act ("CEQA") pursuant to CEQA Guidelines section 15061(b)(3) which provides that CEQA applies only to projects which have the potential for causing a significant effect on the environment. This City Council finds that it can be seen with certainty that there is no possibility that the approval of this Resolution may have a significant effect on the environment.

ADOPTED, SIGNED AND APPROVED this 2nd day of July, 2013.



Peter Aguilar, Mayor

ATTEST:



Sam Irwin, City Clerk

I, Sam Irwin, City Clerk of the City of Redlands, hereby certify that the foregoing Resolution was duly adopted by the City Council at a regular meeting thereof, held on the 2nd day of July, 2013, by the following vote:

AYES: Councilmembers Harrison, Foster, Gardner, Gilbreath; Mayor Aguilar
NOES: None
ABSENT: None
ABSTAIN: None



Sam Irwin, City Clerk

EXHIBIT A

ENGINEERING AND TRAFFIC SURVEY

HIGHWAY UNDER SURVEY: Garden Street

AREA OF: Between Cajon Street and Mariposa Drive

DATE OF SURVEY: March 5, 2013

RECOMMENDATIONS:

The California Manual on Uniform Traffic Control Devices (CAMUTCD) and the California Vehicle Code (CVC) Section 627 establishes current procedures for establishing speed limits on local streets. The current criteria states that the posted speed limit may be reduced by 5 mph from the nearest 5 mph increment of the 85th percentile speed also known as the critical speed where an engineering study indicates the need for a reduction in speed to match existing conditions with the traffic safety needs of the community.

There were a total of 5 reported midblock accidents on Garden Street from Cajon Street to Mariposa Drive from 2005 to 2010.

Accident rate = (number of midblock accidents per year x 10^6) / (24 hour volume x 365 x length x number of years)

The traffic accident rate on Garden Street is as follows:

Cajon Street to Mariposa Drive = $(5 \times 10^6) / (3513 \times 365 \times 1.36 \times 5) = 0.57$

The expected accident rate for a two lane urban roadway is 1.98. The calculated accident rate is below the expected accident rate for this roadway.

The existing posted speed limit on Garden Street from Cajon Street to Mariposa Drive is 35 mph. The area is located in a residential district with many direct driveway access points to Garden Street and numerous curves along this roadway. There is one mid-block school crosswalk on Garden just north of South Avenue. There are also segments of the street where there is no sidewalk. The survey results are as follows:

Between Cajon Street and Hilton Avenue -	Critical Speed – 38.3 mph Average Speed – 34.8 mph Pace Speed – 30-39 mph
Between Hilton Avenue and Halsey Street -	Critical Speed – 40.9 mph Average Speed – 36.3.0 mph Pace Speed – 32-41 mph
Between Halsey Street and Mariposa Drive -	Critical Speed – 42.2 mph Average Speed – 38.0 mph Pace Speed – 34-43 mph

The 85 percentile speed rounds off to 40 mph for all three street segments. It is recommended that all three segments, from Cajon Street to Hilton Avenue, from Hilton Avenue to Halsey Street, and from Halsey Street to Mariposa Drive be further reduced by 5 mph to 35 mph. The area is bounded by residential districts with many direct driveway access points and no sidewalks as well as a mid-block school crosswalk, without sidewalks it is not readily apparent to motorists to watch out for pedestrians.

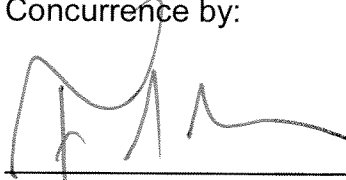
Taking the above facts into consideration a speed limit of 35 mph would be appropriate to facilitate the orderly movement of traffic in a safe and reasonable manner.

Prepared by:



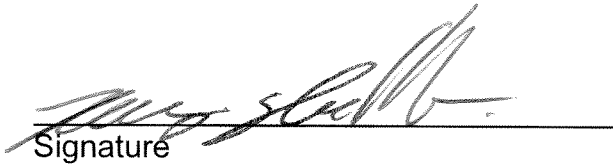
ART CREEF
Associate Engineer

Concurrence by:



FRED MOUSAVIPOUR
City Engineer

Reviewed by Traffic and Parking Commission:


Signature

3/28/2013
Date

City of Redlands Department of Public Works

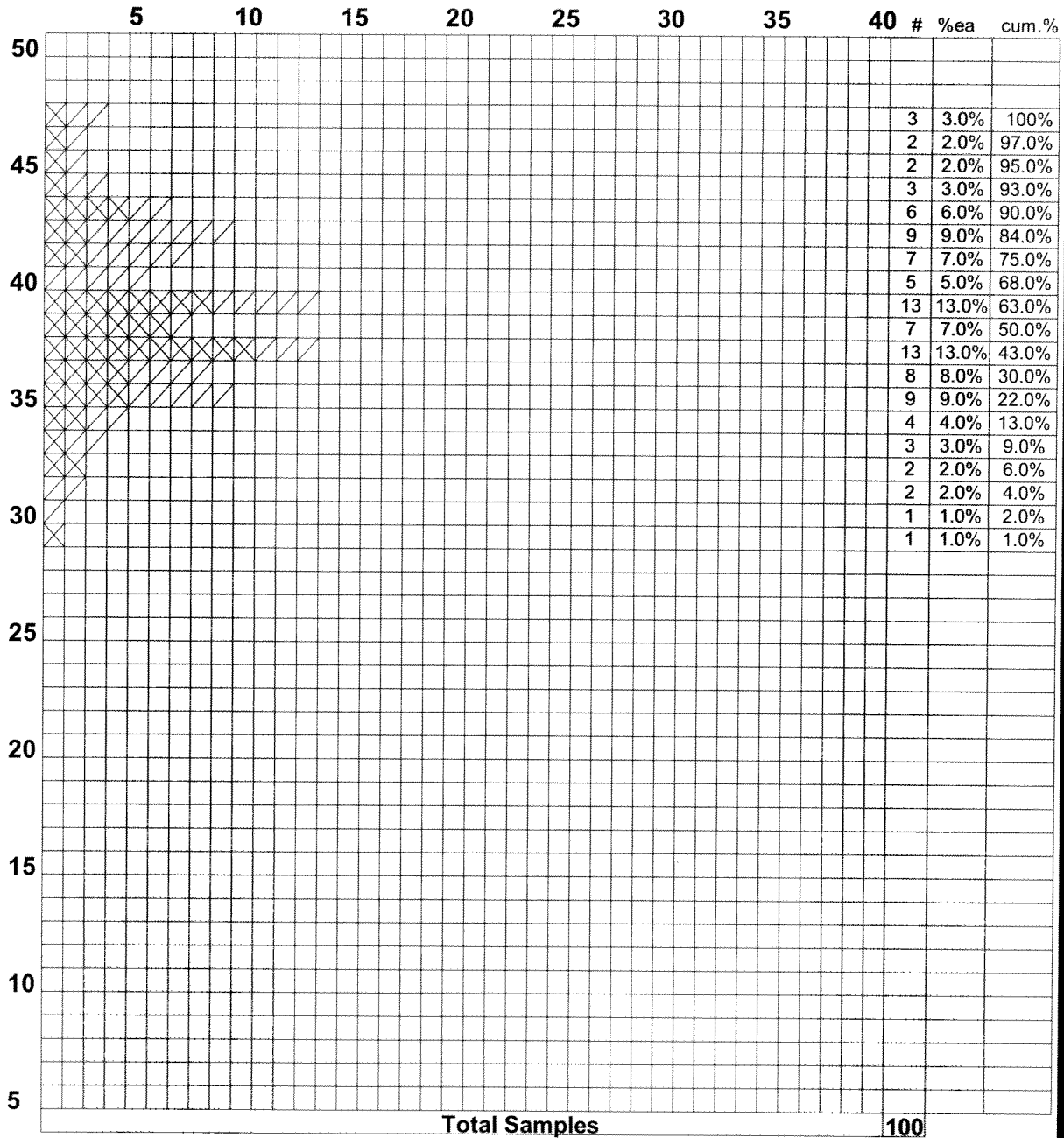
Traffic Engineering Department

Street Name: GARDEN STREET

Limits: HALSEY STREET to MARIPOSA DRIVE

Radar Survey Sheet

X=North /=South



85th Percentile Speed: 42.2
 50th Percentile Speed: 38.0
 15th Percentile Speed: 34.2
 10 MPH Pace: 34- 43
 Number in Pace: 81
 Percent in Pace: 81.0%

Date of Survey: 3/19/2013

Weather: clear

Road Condition: good

Street Class.: collector

Conditions not
Apparent:

Start Time: 3:30

End Time: 4:20

Posted Speed: 35

Observer: RISA JONES

City of Redlands
Traffic Engineering Department

Radar Speed Data Work Sheet

Date: 3/19/13

Location # _____

Street Name: Garden Street

Observer: Bisa Jones

Limits: Halsey - Manposca

Location of Survey: @ Garden Hill

Weather: Good

Roadway Geometrics: _____

Road Cond: dry

Conditions Not Apparent: _____

Posted Speed: 35

Start Time: 3:30pm

Lane Config: one lane each direction

End Time: _____

Adjacent Land Use: Residential

Street Classification: Arterial - Collector - Local -

Average Daily Traffic _____

Segment Length: _____

Speed Limit Changed? Yes - No

Revised Limit: _____

Checked By: _____

Collision Start Date: _____

Collision End Date: _____

Collision Period: _____

Total Collisions: _____

Collision Rate: _____

Expected Collision Rate: _____

Direction: S

Direction: N

1. <u>41</u>	21. <u>36</u>	41. <u>35</u>	61. _____	81. _____	1. <u>37</u>	21. <u>46</u>	41. <u>43</u>	61. _____	81. _____
2. <u>43</u>	22. <u>39</u>	42. <u>42</u>	62. _____	82. _____	2. <u>36</u>	22. <u>45</u>	42. <u>32</u>	62. _____	82. _____
3. <u>44</u>	23. <u>31</u>	43. <u>42</u>	63. _____	83. _____	3. <u>36</u>	23. <u>37</u>	43. <u>37</u>	63. _____	83. _____
4. <u>40</u>	24. <u>47</u>	44. <u>42</u>	64. _____	84. _____	4. <u>35</u>	24. <u>38</u>	44. <u>42</u>	64. _____	84. _____
5. <u>31</u>	25. <u>41</u>	45. <u>37</u>	65. _____	85. _____	5. <u>37</u>	25. <u>39</u>	45. <u>35</u>	65. _____	85. _____
6. <u>37</u>	26. <u>30</u>	46. <u>34</u>	66. _____	86. _____	6. <u>47</u>	26. <u>32</u>	46. <u>38</u>	66. _____	86. _____
7. <u>39</u>	27. <u>46</u>	47. <u>42</u>	67. _____	87. _____	7. <u>44</u>	27. <u>35</u>	47. <u>42</u>	67. _____	87. _____
8. <u>39</u>	28. <u>43</u>	48. <u>40</u>	68. _____	88. _____	8. <u>39</u>	28. <u>41</u>	48. <u>43</u>	68. _____	88. _____
9. <u>42</u>	29. <u>47</u>	49. <u>41</u>	69. _____	89. _____	9. <u>39</u>	29. <u>33</u>	49. <u>39</u>	69. _____	89. _____
10. <u>45</u>	30. <u>33</u>	50. <u>39</u>	70. _____	90. _____	10. <u>36</u>	30. <u>37</u>	50. <u>38</u>	70. _____	90. _____
11. <u>40</u>	31. <u>35</u>	51. _____	71. _____	91. _____	11. <u>37</u>	31. <u>43</u>	51. _____	71. _____	91. _____
12. <u>39</u>	32. <u>35</u>	52. _____	72. _____	92. _____	12. <u>41</u>	32. <u>39</u>	52. _____	72. _____	92. _____
13. <u>42</u>	33. <u>36</u>	53. _____	73. _____	93. _____	13. <u>39</u>	33. <u>34</u>	53. _____	73. _____	93. _____
14. <u>35</u>	34. <u>34</u>	54. _____	74. _____	94. _____	14. <u>34</u>	34. <u>38</u>	54. _____	74. _____	94. _____
15. <u>35</u>	35. <u>33</u>	55. _____	75. _____	95. _____	15. <u>39</u>	35. <u>29</u>	55. _____	75. _____	95. _____
16. <u>44</u>	36. <u>38</u>	56. _____	76. _____	96. _____	16. <u>38</u>	36. <u>37</u>	56. _____	76. _____	96. _____
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18. <u>40</u>	38. <u>41</u>	58. _____	78. _____	98. _____	18. <u>38</u>	38. <u>43</u>	58. _____	78. _____	98. _____
19. <u>36</u>	39. <u>37</u>	59. _____	79. _____	99. _____	19. <u>37</u>	39. <u>37</u>	59. _____	79. _____	99. _____
20. <u>36</u>	40. <u>40</u>	60. _____	80. _____	100. _____	20. <u>36</u>	40. <u>35</u>	60. _____	80. _____	100. _____

Comments:

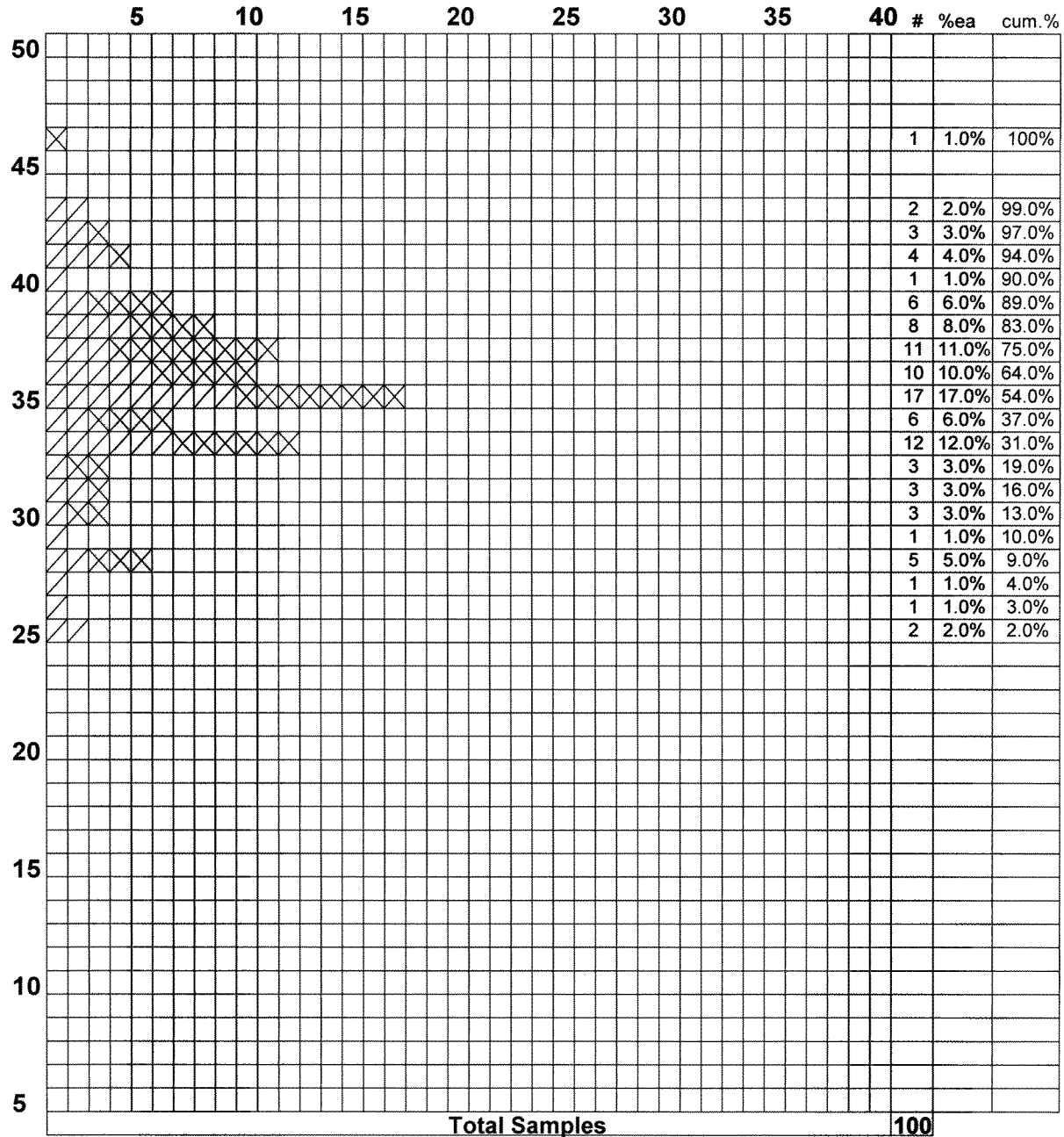
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**City of Redlands Department of Public Works
Traffic Engineering Department**

Street Name: GARDEN ST HILTON
Limits: CAJON ST to FRANKLIN AVE

Radar Survey Sheet

X=West /=East



85th Percentile Speed: 38.3
50th Percentile Speed: 34.8
15th Percentile Speed: 30.7
10 MPH Pace: 30- 39
Number in Pace: 79
Percent in Pace: 79.0%

Date of Survey: 3/5/2013
Weather: Clear
Road Condition: Good
Street Class.: Collector
Conditions not Apparent:

Start Time: 10:35
End Time: 11:35
Posted Speed: 35
Observer: RISA JONES

City of Redlands
Traffic Engineering Department

Radar Speed Data Work Sheet

Date: 3/5/13

Location # _____

Street Name: Garden

Observer: Risa James

Limits: Cajon + Franklin

Location of Survey: Franklin

Weather: Sunny

Roadway Geometrics: _____

Road Cond: Dry

Conditions Not Apparent: _____

Posted Speed: 55 mph

Start Time: 10:35 am

Lane Config. one lane each direction

End Time: 11:35 am

Adjacent Land Use Residential

Street Classification: Arterial - Collector - Local -

Average Daily Traffic _____

Segment Length: _____

Speed Limit Changed? Yes - No

Revised Limit: _____

Checked By: _____

Collision Start Date: _____

Collision End Date: _____

Collision Period: _____

Total Collisions: _____

Collision Rate: _____

Expected Collision Rate: _____

Direction: N/W 10:35-11:00 am

Direction: S/E 11:00 am-11:35

1. <u>34</u>	21. <u>38</u>	41. <u>36</u>	61. _____	81. _____
2. <u>39</u>	22. <u>39</u>	42. <u>35</u>	62. _____	82. _____
3. <u>28</u>	23. <u>28</u>	43. <u>39</u>	63. _____	83. _____
4. <u>35</u>	24. <u>34</u>	44. <u>36</u>	64. _____	84. _____
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9. <u>46</u>	29. <u>32</u>	49. <u>33</u>	69. _____	89. _____
10. <u>35</u>	30. <u>33</u>	50. <u>30</u>	70. _____	90. _____
11. <u>37</u>	31. <u>37</u>	51. _____	71. _____	91. _____
12. <u>28</u>	32. <u>34</u>	52. _____	72. _____	92. _____
13. <u>35</u>	33. <u>37</u>	53. _____	73. _____	93. _____
14. <u>35</u>	34. <u>33</u>	54. _____	74. _____	94. _____
15. <u>37</u>	35. <u>37</u>	55. _____	75. _____	95. _____
16. <u>36</u>	36. <u>35</u>	56. _____	76. _____	96. _____
17. <u>32</u>	37. <u>35</u>	57. _____	77. _____	97. _____
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19. <u>33</u>	39. <u>36</u>	59. _____	79. _____	99. _____
20. <u>34</u>	40. <u>35</u>	60. _____	80. _____	100. _____

1. <u>28</u>	21. <u>35</u>	41. <u>36</u>	61. _____	81. _____
2. <u>25</u>	22. <u>38</u>	42. <u>35</u>	62. _____	82. _____
3. <u>25</u>	23. <u>43</u>	43. <u>42</u>	63. _____	83. _____
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Comments:

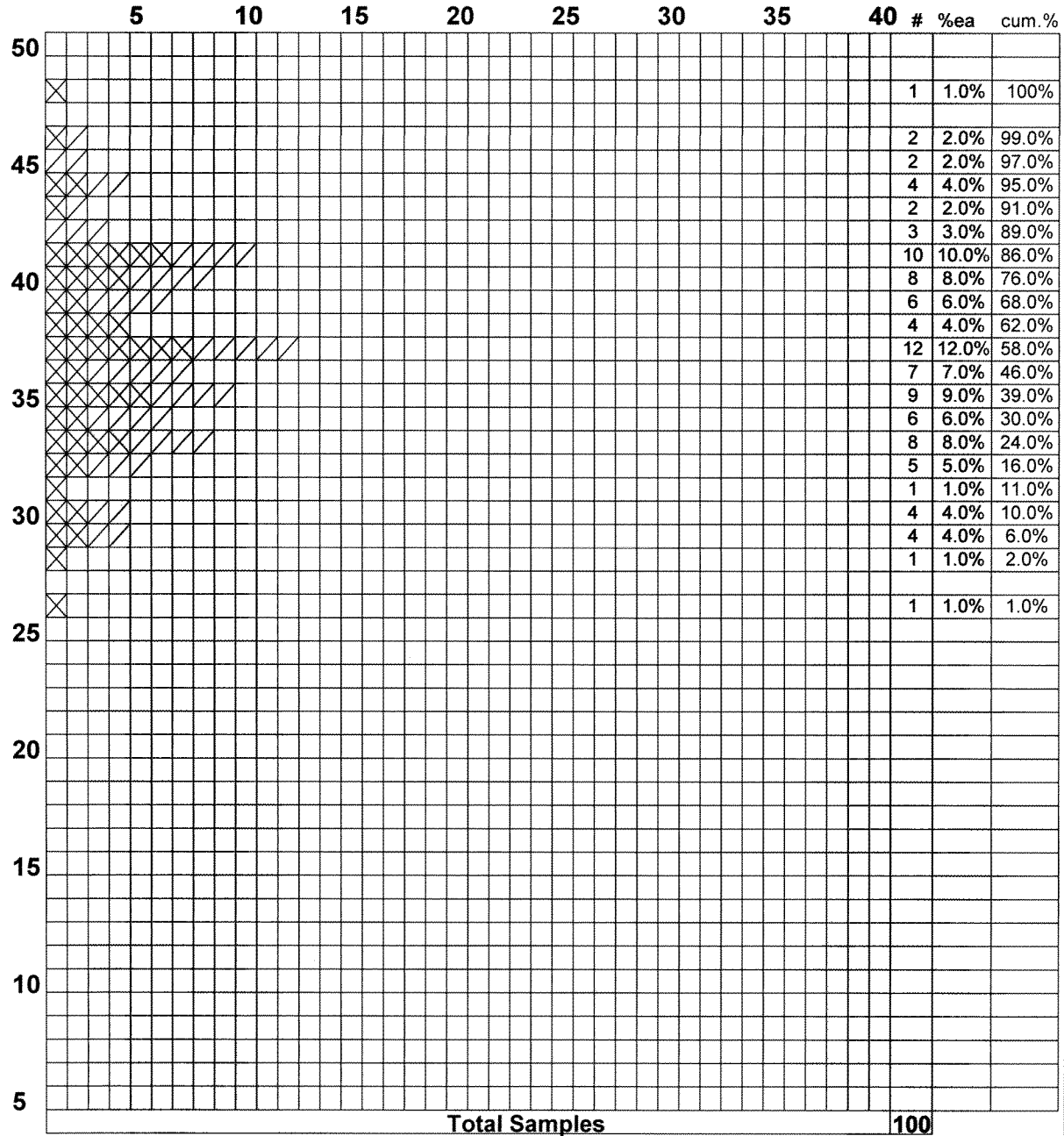
**City of Redlands Department of Public Works
Traffic Engineering Department**

Street Name: GARDEN ST

Limits: SOUTH AVE to HALSEY ST

Radar Survey Sheet

X=North /=South



85th Percentile Speed: 40.9
 50th Percentile Speed: 36.3
 15th Percentile Speed: 31.8
 10 MPH Pace: 32- 41
 Number in Pace: 75
 Percent in Pace: 75.0%

Date of Survey: 3/5/2013
 Weather: Clear
 Road Condition: Good
 Street Class.: Collector
 Conditions not
 Apparent:

Start Time: 11:35
 End Time: 12:15
 Posted Speed: 35
 Observer: RISA JONES

City of Redlands
Traffic Engineering Department

Radar Speed Data Work Sheet

Date: 3/5/13

Location # _____

Street Name: Garden

Observer: Risa Jones

Limits: Between South Halsey

Location of Survey: @ South

Weather: Great Sunny

Roadway Geometrics: _____

Road Cond: Dry

Conditions Not Apparent: _____

Posted Speed: 35

Start Time: 11:35 am

Lane Config: One Lane Each Direction

End Time: 12:15 pm

Adjacent Land Use Residential / Orange Groves

Street Classification: Arterial - Collector - Local -

Average Daily Traffic _____

Segment Length: _____

Speed Limit Changed? Yes - No

Revised Limit: _____

Checked By: _____

Collision Start Date: _____

Collision End Date: _____

Collision Period: _____

Total Collisions: _____

Collision Rate: _____

Expected Collision Rate: _____

Direction: S/E

1. <u>29</u>	21. <u>36</u>	41. <u>33</u>	61. _____	81. _____
2. <u>36</u>	22. <u>41</u>	42. <u>45</u>	62. _____	82. _____
3. <u>39</u>	23. <u>40</u>	43. <u>34</u>	63. _____	83. _____
4. <u>37</u>	24. <u>36</u>	44. <u>30</u>	64. _____	84. _____
5. <u>37</u>	25. <u>39</u>	45. <u>37</u>	65. _____	85. _____
6. <u>42</u>	26. <u>39</u>	46. <u>41</u>	66. _____	86. _____
7. <u>46</u>	27. <u>36</u>	47. <u>41</u>	67. _____	87. _____
8. <u>40</u>	28. <u>34</u>	48. <u>43</u>	68. _____	88. _____
9. <u>41</u>	29. <u>33</u>	49. <u>36</u>	69. _____	89. _____
10. <u>35</u>	30. <u>35</u>	50. <u>42</u>	70. _____	90. _____
11. <u>42</u>	31. <u>44</u>	51. _____	71. _____	91. _____
12. <u>33</u>	32. <u>32</u>	52. _____	72. _____	92. _____
13. <u>44</u>	33. <u>32</u>	53. _____	73. _____	93. _____
14. <u>40</u>	34. <u>30</u>	54. _____	74. _____	94. _____
15. <u>40</u>	35. <u>39</u>	55. _____	75. _____	95. _____
16. <u>29</u>	36. <u>33</u>	56. _____	76. _____	96. _____
17. <u>34</u>	37. <u>45</u>	57. _____	77. _____	97. _____
18. <u>34</u>	38. <u>35</u>	58. _____	78. _____	98. _____
19. <u>32</u>	39. <u>37</u>	59. _____	79. _____	99. _____
20. <u>35</u>	40. <u>37</u>	60. _____	80. _____	100. _____

Direction: N/W

1. <u>44</u>	21. <u>38</u>	41. <u>26</u>	61. _____	81. _____
2. <u>35</u>	22. <u>38</u>	42. <u>36</u>	62. _____	82. _____
3. <u>35</u>	23. <u>32</u>	43. <u>40</u>	63. _____	83. _____
4. <u>31</u>	24. <u>33</u>	44. <u>41</u>	64. _____	84. _____
5. <u>38</u>	25. <u>48</u>	45. <u>28</u>	65. _____	85. _____
6. <u>33</u>	26. <u>37</u>	46. <u>34</u>	66. _____	86. _____
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8. <u>41</u>	28. <u>35</u>	48. <u>41</u>	68. _____	88. _____
9. <u>30</u>	29. <u>35</u>	49. <u>46</u>	69. _____	89. _____
10. <u>37</u>	30. <u>39</u>	50. <u>33</u>	70. _____	90. _____
11. <u>37</u>	31. <u>37</u>	51. _____	71. _____	91. _____
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13. <u>37</u>	33. <u>41</u>	53. _____	73. _____	93. _____
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18. <u>29</u>	38. <u>40</u>	58. _____	78. _____	98. _____
19. <u>40</u>	39. <u>32</u>	59. _____	79. _____	99. _____
20. <u>40</u>	40. <u>41</u>	60. _____	80. _____	100. _____

Comments: