

VI. CRITERIA FOR STREET REPAIR

6.1 Introduction

The goal of the District 3 Sidewalk Study is to develop a ranked list of recommended capital improvement projects for street repairs that will facilitate sidewalk replacement projects by homeowners. In order to develop a ranked list of improvements, it is necessary to establish a preliminary concept of the types of street improvement work that are likely to be associated with a given set of defective conditions.

The deficiencies that affect sidewalk construction opportunities in the mid-city communities primarily fall into two categories:

- Insufficient or substandard curb height resulting from many pavement overlays being added over the years.
- Poor drainage conditions and high concentrated flows, which are exacerbated in areas of substandard curb height.

The data collected during the Phase II study, as well as the hydrologic information gathered as part of Phase III, were used to identify the relative severity of the deficiencies in the detailed study area. The data include:

Curb Heights Curb heights were measured and grouped into one of four categories: greater than 5 inches (i.e., standard height or nearly standard), 3 to 5 inches (slightly substandard), zero to 3 inches (highly substandard) and zero or negative curb height. As described in the following recommended improvement criteria, the severity category will be one factor in determining the recommended repair, because the more severe impairment will generally warrant a more extensive and costly repair effort. This is because areas with reduced curb heights present the greatest obstacle to construction of new curb, gutter and sidewalks by homeowners. Also, streets with limited or no curb height are more susceptible to sidewalk flooding in even minor storms, and therefore should be given a higher level of priority for improvement work.

Pavement Cross Slope Pavement cross slopes are a factor in establishing recommended corrective measures for two reasons. First, pavement rehabilitation measures that tend to increase the cross slope, such as grinding down the pavement surface within the parking lane only, are less appropriate in areas that already exhibit unusually high cross-slopes. Second, recent interpretations of ADA regulations require that longitudinal slopes within a cross-walk may not exceed 5%. Some of the street surfaces within the study area already exceed 5%, which will place limitations on the corrective work that can be done there.

Drainage Conditions Drainage conditions are a factor in most of the cases where sidewalk or curb reconstruction is being prevented by engineering conditions. However, it is not always a severe impediment. Where street gradients are sufficiently steep, or where a street serves only a limited local drainage basin, storm flows may be adequately conveyed even within gutters of substandard depth. Although such a condition may be a challenge for installation of a new curb and gutter, it is usually one that can be readily overcome, and indeed a number of such installations already exist within the detailed study area. Therefore, street improvements to address drainage conditions are recommended only where the existing gutter depth is inadequate

to convey storm flows. Recommended criteria for addressing local drainage deficiencies are discussed further below.

6.2 Recommended Improvements

Several repair and rehabilitation methods are available for substandard street pavements and drainage systems. For any given location, the most suitable treatment can only be developed as part of an engineered plan, based on detailed topographic surveys, pavement coring samples, and, in the case of drainage improvements, a drainage study in compliance with the City Drainage Manual. The scope of this study does not extend to collecting information at that level of detail, nor is it feasible to prepare complete engineering designs for the entire area comprised by the Detailed Study. Rather, this study will provide a set of typical, generic improvement recommendations to be applied for a given set of existing conditions. This allows calculation of order-of-magnitude costs for probable improvements that will allow the City to identify appropriate locations for CIP projects based on available funding. As a result, the improvement recommendations and cost estimates provided in this study should not be regarded as final designs nor exact costs, but rather as a tool for prioritization.

Three levels of street improvement work, plus a “no project” alternative and a drainage alternative, have been identified for purposes of categorizing the types of work likely to be required. The following is a description of the four proposed generic project categories, and the circumstances under which each would be recommended.

6.3 No Work Recommended

This category would be applied to locations where street improvement work is not justified, at least based on the goals of this study. In some cases, this could include streets with poor-quality existing pavements that may warrant improvement for reasons not related to pedestrian access, however that is not the focus of the District 3 Sidewalk Study. The circumstances that would typically result in a “no work” recommendation include:

- Recently reconstructed areas. Several streets within the study area were found to have been recently improved, either with new curbs, gutters and sidewalks or significantly upgraded public drainage systems. The streets with new sidewalks clearly would not warrant improvement work based on the goals of this study. Those with new drainage systems could potentially still need street improvements but our recommendation is to withhold further improvement work until and unless it becomes apparent that the new drainage systems have not solved the problem.
- Curb heights of 5 inches or greater. These curbs are at or very near the City standard curb height of 6 inches. These curbs are unlikely to require replacement to facilitate sidewalk construction. There may be a few exceptions to this criterion in locations with particularly severe drainage issues or unusual conditions such that curb height alone is not sufficient to provide an adequate pedestrian environment.
- Low priority streets. Streets with less than 5 inches curb height still may not warrant improvement work under this study if they are found to have a combination of low pedestrian demand and minor observed defects (for example, a cul-de-sac with low pedestrian volume, no major drainage basin, and a 3” curb face).

6.4 Pavement Grinding Within Parking Lane

The lowest level of improvement work would consist of grinding the existing pavement surface within the limits of the parking lane (assumed at 8 feet width) to restore the standard curb height. The grinding operation would typically take the pavement surface to an elevation 1 inch lower

than the desired finished grade to allow for placement of an overlay surface course. Locations proposed for grinding would need to be assessed during final design based on pavement core samples. The typical goal of grinding would be to restore full standard curb height, however this could be modified based on the findings from the core samples. Design criteria would include:

- The existing pavement must be thick enough to allow at least 1.5 inches to remain at the completion of grinding. If the remaining pavement would be less than 1.5 inches it would probably be destroyed by the grinding operation, so complete removal would be preferred.
- The integrity of the pavement layer that would be exposed by the grinding should be assessed. If it does not appear competent as a base course, it would need to be removed and replaced.
- The cross slope of the street should be considered. This was part of the reason for gathering the cross slope data during the field data collection. The process of grinding and repaving will typically result in a finished surface that is steeper than the original, so if this creates an unacceptable slope, then complete removal and replacement of a wider area may be more suitable. At crosswalks, the surface grade must be limited to a maximum of 5% to comply with ADA requirements.
- The presence of utility trenches that have been capped with concrete is a factor in deciding whether grinding is appropriate. However, concrete trench caps are not a complete barrier to grinding. Where concrete exists, the contractor would need to use a different grinding device, at a slightly higher cost. The presence or absence of concrete trench surfacing is unknown at this time and should be assessed as part of the coring investigation during final design, in part because additional trenches could be installed between now and the time the work is actually performed.

For purposes of this study, grinding of the parking lane will be the recommended improvement under the following conditions:

- Substandard curb height (3 to 5 inches) and cross slopes are not excessive (as described above).
- Where existing curb heights are in the range of 3 to 5 inches, grinding will typically be the recommended improvement except where drainage impacts are minimal (low flow rates or steep slopes) and pedestrian priority is either low or moderate. In those cases, the recommendation will be “no work”.

6.5 Strip Removal and Reconstruction

For streets that do not meet the selection criteria for grinding as described above, the next level of reconstruction would be complete sawcutting, removal and replacement of a strip of pavement along the curb lane. The exact width of this removal would vary based on the detailed conditions of each location, however for the purposes of this study it is assumed that a 14' width of removal would be typical. The conditions under which this option would be recommended are:

- Curb heights of 3 to 5 inches that did not qualify for grinding for the reasons stated above.
- Existing curb heights less than 3 inches. It is assumed that the amount of grinding required to restore a full curb height in this situation is not cost-effective, or is likely to expose very old pavements that would not be suitable as a base course. In most cases, curb heights less than 3 inches would be considered to warrant reconstruction unless drainage conditions are otherwise excellent and pedestrian demand is very low.
- Where curb heights are zero, strip removal will be recommended in all cases, regardless of drainage volume or pedestrian demand, unless criteria for complete reconstruction of the

street section are met as described below. (Note that although streets with very low pedestrian demand may have a recommended improvement associated with them, they are still likely to receive a low priority ranking for the work to actually be performed due to the limited pedestrian use.)

Where strip removal and reconstruction is recommended on both sides of the same block, consideration should be given to complete removal and replacement, since the two opposing strip removals would leave only a narrow strip of existing pavement remaining, especially on narrow streets.

6.6 Complete Removal and Reconstruction of the Street Pavement (Curb to Curb)

This alternative would consist of complete demolition of the street pavement, recompaction of subgrade, and replacement of pavement at a lower elevation. This would be recommended only in the most severely impacted areas due to cost as well as engineering issues. Typically this work would be designed to lower the entire surface elevation of the street. However, this could not be done in isolated sections, especially in areas of very flat terrain, since it could create a sump condition with no drainage outlet. Therefore the design of such a project would need to carefully consider downstream grades and might require some reconstruction of adjacent blocks to maintain a positive-drainage flow path.

In addition to greater cost, this measure would also cause the greatest extent of community disruption during construction. Traffic control would be more challenging than for the other measures. However, an advantage of this measure is that it provides an ideal roadway surface at the end of the project. The completely re-worked subgrade and surface would eliminate all steep crowns, potholes, and bumps resulting from old trenches, and would provide a superior surface for both pedestrians and vehicular traffic.

At least one of the following conditions, and probably more than one, would have to be present in order to recommend complete pavement removal and replacement:

- Zero curb height or curbs do not exist.
- High pedestrian priority.
- Isolated cases of severe drainage issues.
- Areas with an especially high level of known problems, as reported by the community groups or reflected in City records.
- Locations where such work can be performed without causing similar problems downstream.

The intersection of Hawley Blvd. and North Mountain View Drive is an example of a location that is recommended for complete removal and replacement. At this intersection there are zero-height flush curbs, non-standard drainage structures that are not functioning well, adjacent lots that in some cases lie below the street gutter and are subject to inundation from the street, and the area has been identified by the community as both a high pedestrian demand area and a site of chronic reported problems. It would still be necessary to study the effects of such an improvement project prior to making a recommendation of complete removal, but it provides an illustration of the type of location that would be considered for this category of improvement.

As noted in Section 6.5 above, complete removal and replacement may also be recommended, on a case-by-case basis, where strip removal is needed on both sides. This is to avoid leaving a

narrow strip of old pavement in the center of the street. An example of a street where this is warranted is 36th Street between Madison and Monroe Avenues.

6.7 Summary

Every block within the study area presents a unique set of conditions, and each block requiring improvement will need a different combination of engineering solutions. In order to develop a system for prioritizing improvements, it is necessary to simplify the comparison by working with a limited range of improvement categories. It is understood that this limited list of improvement types and criteria will not completely encompass the full range of conditions that exist in the study area, but it does provide a useful approximation of relative severity of problems, importance of pedestrian routes, and order-of-magnitude cost of improvements that can be used to guide the Council office and City staff in deciding which locations should be addressed first.

VII. RANKED LIST OF REPAIR LOCATIONS

The recommended improvement work for each street segment was determined based on the criteria described above. The recommendations were also influenced by the level of pedestrian priority for a given segment. For example, a street with 4" high existing curbs would receive a recommendation of "edge grinding" if it has a "high" or "medium" level of pedestrian demand. The same curb height would receive a recommendation of "no improvement" in the case of a street having "low" pedestrian demand. The categories of pedestrian demand were defined as follows:

| | |
|--------|---|
| High | Pedestrian demand factor of 17 and higher |
| Medium | Pedestrian demand factor of 15 or 16 |
| Low | Pedestrian demand factor of 14 or less |

The pedestrian demand factor for each segment was determined in Phase II of the study based on GIS-based analysis of traffic generators and attractors, and the values ranged from a low of 9 to a high of 20. The categories noted above were selected such that about a third of the segments are classified as "low demand" and the top 25% are rated as "high demand." The pedestrian priority rankings are presented graphically in **Figure 13, Pedestrian Priority** (see map pocket).

Each segment in the Detailed Study Area was studied individually, and many segments were found to have unique characteristics that influenced the selection of the appropriate improvement method. **Table 7-1, Segment Notes**, provides a complete list of the circumstances of each segment, with a separate listing for each side of the street since they are not always identical. More than half the study segments were found not to warrant improvement based on the criteria of the study.

For ease of reference, the recommended improvements have been summarized in the form of a table using the following letter codes to indicate the recommended repair method for each segment:

| | |
|---|---|
| G | Pavement edge grinding recommended |
| S | Strip removal and replacement recommended |
| D | Drainage improvements recommended |
| O | Other |

In addition to the pavement modifications described above, most (but not all) segments will require installation of curb ramps at each intersection as required by ADA. Some intersections have already been improved with curb ramps. Because curb ramps are a significant cost item, the quantity of required ramps has been listed separately for each segment. Similarly, many segments would require the construction of new concrete cross-gutters to attain positive drainage after lowering of the gutter flowline elevations. These have also been quantified separately in the table.

For each segment requiring improvement, an approximate construction cost was estimated. The basis of the cost estimates is described in detail in Section 9 of this report.

TABLE 7-1 SEGMENT NOTES

| Community | Block Designation | Side (N,S,E,W) | Notes | |
|-----------|-------------------|----------------|---|--|
| NH 1 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. | |
| NH 1 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. | |
| NH 2 | | E | Adequate curb height, no improvement needed. | |
| NH 2 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. | |
| NH 3 | | N | A combination of grinding and strip removal/replacement is warranted along Meade Ave. from Wilson Ave. to 39th Street. On the north side, cross gutters should be installed to maintain continuous flow path along the street. Elevations along the south side should be set to allow all blocks to drain southerly toward El Cajon Blvd. | |
| NH 3 | | S | | |
| NH 4 | | N | | |
| NH 4 | | S | | |
| NH 5 | | N | | |
| NH 5 | | S | | |
| NH 6 | | S | | |
| NH 6 | | N | | |
| NH 7 | | N | | |
| NH 7 | | S | | |
| NH 8 | | N | Some new curb/sidewalk exists, but most is old, broken curb/sidewalk very low to gutter. However, lots are well elevated above the street so sidewalk elevations could easily be raised with no impact to adjacent properties. Low ped demand. No improvements recommended. | |
| NH 8 | | S | | |
| NH 9 | | N | | |
| NH 9 | | S | | |
| NH 10 | | E | | |
| NH 10 | | W | | |
| NH 11 | | E | | Adequate curb height; no improvement required. |
| NH 11 | | W | | Pavement grinding is warranted. |
| NH 12 | | E | | Nearly all-new curb & gutter on this block. |
| NH 12 | | W | | |
| NH 13 | | E | Adequate existing curb, no improvement needed. | |
| NH 13 | | W | | |
| NH 14 | | W | Grinding is warranted by mildly deficient curb heights and high ped demand. | |
| NH 14 | | E | | |
| NH 15 | | E | Adequate curb height, no improvement needed. | |
| NH 15 | | W | | |
| NH 16 | | W | Grinding is warranted by mildly deficient curb heights and high ped demand. | |
| NH 16 | | E | | |
| NH 17 | | W | Adequate curb height, no improvement needed. | |
| NH 17 | | E | | |
| NH 17 | | E | Strip removal and reconstruction is warranted per the study criteria. | |
| NH 18 | | N | | |
| NH 18 | | S | Entirely new curb/sidewalk on both sides, no further work is required. | |
| NH 18 | | N | | |
| NH 19 | | N | Standard curb heights exist and lots are well elevated above the gutter, no improvements warranted. | |
| NH 19 | | S | | |
| NH 19 | | S | Then entire stretch of Monroe Ave from 33rd to 35th Street exhibits an undesirable combination of flat street grades and lots that are very poorly elevated above the gutters. A few segments have standard curb heights but most are sub-standard. Because this street has a continuous length of segments needing improvement, it is recommended that the entire segment be treated as a single improvement project involving some pavement reconstruction coupled with installation of new cross gutters on the crossing streets to take maximum advantage of all available elevation drop. Cost estimate will assume strip reconstruction for all substandard segments plus one cross gutter per segment. | |
| NH 20 | | S | | |
| NH 20 | | N | | |
| NH 21 | | N | | |
| NH 21 | | S | | |
| NH 22 | | N | | |
| NH 22 | | S | | |
| NH 23 | | S | | |
| NH 23 | | N | | |
| NH 24 | | N | | |
| NH 24 | | S | Very flat grades with ponding observed, but lots are well elevated above street. | |
| NH 25 | | S | | |
| NH 25 | | N | Very flat grades with ponding observed, but lots are well elevated above street. Slightly deficient curb height can be improved by pavement grinding. | |
| NH 26 | | S | | |
| NH 26 | | N | Adequate curb height, no improvement needed. | |
| NH 26 | | N | | |
| NH 27 | | N | Grinding is warranted by mildly deficient curb heights and high ped demand. | |
| NH 27 | | N | | |
| NH 27 | | S | Curb in 3-5" range and high ped priority warrant pavement grinding. | |
| NH 27 | | S | | |
| NH 27 | | S | Pavement grinding is warranted similar to north side. Also, alley entrance at mid-block is a very bad sump. Alley is unpaved. Sidewalk has a 6" dropoff and probable flooding during storms. Improv. work is needed here to construct alley apron, ped ramps, and proper gutter. High ped demand. | |
| NH 28 | | N | | |
| NH 28 | | N | Grinding is warranted by mildly deficient curb heights and high ped demand. Cross gutter should be installed to convey flows from west to east across Cherokee St. | |
| NH 28 | | S | | |
| NH 29 | | S | Grinding is warranted by mildly deficient curb heights and high ped demand. | |
| NH 29 | | N | | |
| NH 29 | | N | Adequate curb height, no improvement needed. | |
| NH 29 | | N | | |
| NH 30 | | N | Grinding is warranted by mildly deficient curb heights and high ped demand. | |
| NH 30 | | N | | |
| NH 30 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. | |
| NH 30 | | S | | |
| NH 31 | | N | Strip removal and reconstruction is warranted per the study criteria. | |
| NH 31 | | N | | |
| NH 31 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. | |
| NH 31 | | S | | |
| NH 32 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. | |
| NH 32 | | N | | |
| NH 32 | | S | Adequate curb height, no improvement needed. | |
| NH 32 | | S | | |
| NH 33 | | E | Very flat grades and poorly elevated lots. Pavement grinding may provide benefits. Very flat grades and poorly elevated lots. However, runoff here is limited to local lot drainage only because the I-805 on-ramp captures any upstream flows. This segment is not recommended for any street modifications because any such work would impact the on-ramp and require extensive Caltrans coordination. | |
| NH 33 | | W | | |
| NH 34 | | E | | |
| NH 34 | | W | | |
| NH 34 | | W | | |
| NH 35 | | E | | |
| NH 35 | | W | | |
| NH 35 | | W | | |
| NH 36 | | W | | |
| NH 36 | | E | | |

| Community | Block Designation | Side (N,S,E,W) | Notes |
|-----------|-------------------|----------------|--|
| NH 37 | | W | Lots are very poorly elevated above street and grades are very flat, however curb height is nearly up to standard so no work is warranted on this side. |
| NH 37 | | E | Lots are very poorly elevated above street and grades are very flat, ponded water observed in gutter. Strip removal recommended instead of grinding because existing cross slope is already at the max. allowable of 5%. |
| NH 38 | | E | Very flat grades. Especially steep cross slopes indicate strip removal would be more appropriate than grinding. Since strip removal is required on both sides of this narrow street, with high ped demand, this block is recommended for full removal and replacement of pavement. |
| NH 38 | | W | Extensive ponding noted along gutter w/ moss growing in summer even in newly constructed segments. A curb ramp is needed at NW corner 36th & Monroe, but due to sump condition and ponding a cross gutter should be installed concurrently (if grades permit) to drain the corner across 36th St. Full removal and replacement recommended (see above). |
| NH 39 | | W | Adequate curb height and lots are elevated well above the street. Some new curb already exists. |
| NH 39 | | E | Slightly substandard curb height, houses poorly elevated above street, only front yards drain to street, rear yards drain to alley. Grinding recommended to regain curb height. |
| NH 40 | | E | Flat slope and lots are not well elevated above street. However, nearly all curbs have been replaced and sidewalks are in very good condition, so this block is not recommended for improvements. |
| NH 40 | | W | |
| NH 41 | | W | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NH 41 | | E | Strip removal and reconstruction is warranted per the study criteria. |
| NH 42 | | N | |
| NH 42 | | S | |
| NH 43 | | N | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NH 43 | | S | |
| NH 44 | | N | |
| NH 44 | | S | Adequate curb height, no improvement needed. |
| NH 45 | | N | |
| NH 45 | | S | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NH 46 | | N | Adequate curb height, no improvement needed. |
| NH 46 | | S | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NH 47 | | N | Adequate curb height, no improvement needed. |
| NH 47 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| NH 48 | | N | |
| NH 48 | | S | |
| NH 49 | | N | Adequate curb height, no improvement needed. |
| NH 49 | | S | |
| NH 50 | | N | Nearly all-new curb & gutter on this block. |
| NH 50 | | S | |
| NH 51 | | N | New curb/sidewalk about to be constructed as part of new Normal Hts Elem School development. |
| NH 51 | | S | Curb less than 3 inches, strip removal/replacement recommended. |
| NH 52 | | S | Adequate curbs and slopes, no improvement required. |
| NH 52 | | N | New curb/sidewalk about to be constructed as part of new Normal Hts Elem School development. |
| NH 53 | | N | New curb/sidewalk about to be constructed as part of new Normal Hts Elem School development. |
| NH 53 | | S | Grinding recommended |
| NH 54 | | E | Extremely poor elevation of lots above street - some may even lie below gutter grade. Brand new sidewalk exists north of alley near Adams, so further improvement to the south affords the opportunity to complete a continuous segment of good ped routes on a high-demand corridor. Grinding recommended to establish full standard curb height. |
| NH 54 | | W | |
| NH 55 | | E | |
| NH 55 | | W | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NH 56 | | E | |
| NH 56 | | W | Adequate curb height, no improvement needed. |
| NH 57 | | E | |
| NH 57 | | W | Existing curb heights are adequate. See Section 5.4.6 of report for recommendations regarding storm drain improvements. |
| NH 58 | | E | Because of very high existing cross-slopes combined with very high ped demand for site adjacent to park, schools and commercial district, the improvement recommendation for this block has been upgraded to strip removal rather than grinding. During final design, further consideration should be given to extending a storm drain 2 blocks northerly from Meade Ave (not included in current cost estimate). |
| NH 58 | | W | |
| NH 59 | | E | |
| NH 59 | | W | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NH 60 | | E | New curb/sidewalk about to be constructed as part of new Normal Hts Elem School development. |
| NH 60 | | W | |
| NH 61 | | E | |
| NH 61 | | W | Adequate curbs and slopes, no improvement required. |
| NH 62 | | N | |
| NH 62 | | S | |
| NH 63 | | N | |
| NH 63 | | S | Existing curb heights are adequate. See Section 5.4.6 of report for recommendations regarding storm drain improvements. |
| NH 64 | | N | |
| NH 64 | | S | Existing curb heights are adequate. See Section 5.4.6 of report for recommendations regarding storm drain improvements. |
| NH 65 | | N | Adequate curb height, no improvement needed. |
| NH 65 | | S | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NH 66 | | N | |
| NH 66 | | S | Adequate curb height, no improvement needed. |
| NH 67 | | E | Flat grades but fairly well elevated lots. Some curb/sidewalk has been newly constructed w/o causing drainage problems, so it appears additional work is not being precluded by street conditions. Not a large drainage basin, mostly local flow. |
| NH 67 | | W | |
| NH 68 | | E | See Section 5.4.6 of report. Pavement grinding combined with proposed drainage improvements are warranted on this high-demand segment. |
| NH 68 | | W | |
| NH 69 | | E | |
| NH 69 | | W | Street receives local runoff only, no upstream basin. Lows-lying pads and very flat slope. |
| NH 70 | | E | |
| NH 70 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NH 71 | | W | Adequate curb height, no improvement needed. |

| Community | Block Designation | Side (N,S,E,W) | Notes |
|-----------|-------------------|----------------|--|
| NH 71 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NH 72 | | N | Adequate curb height, existing recent construction, no improvement needed. |
| NH 72 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NH 73 | | N | Adequate curb height, no improvement needed. |
| NH 73 | | S | |
| NH 74 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NH 74 | | W | Strip removal and reconstruction is warranted per the study criteria. |
| NH 75 | | N | |
| NH 75 | | S | Adequate curb height, no improvement needed. |
| NH 76 | | N | |
| NH 76 | | S | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NH 77 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NH 77 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| NH 78 | | S | Adequate curb height, no improvement needed. |
| NH 78 | | N | |
| NH 79 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NH 79 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| NH 80 | | N | |
| NH 80 | | S | |
| NH 81 | | N | |
| NH 81 | | S | Adequate curb height, no improvement needed. |
| NH 82 | | E | |
| NH 82 | | W | |
| NH 83 | | N | Mostly new curb & sidewalk exist along this block. Note: The drainage facilities shown on the City's GIS mapping at the intersection of Hawley Blvd. and Collier Ave. do not exist. |
| NH 83 | | S | |
| NH 84 | | N | |
| NH 84 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NH 85 | | S | Adequate curb height, no improvement needed. |
| NH 85 | | N | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NH 86 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NH 86 | | N | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NH 87 | | E | Adequate curb height, no improvement needed. |
| NH 87 | | W | |
| NH 88 | | E | |
| NH 88 | | W | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NH 89 | | E | |
| NH 89 | | W | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NH 90 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NH 90 | | N | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NH 91 | | N | |
| NH 91 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NH 92 | | N | Adequate curb height, no improvement needed. |
| NH 92 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NH 93 | | N | |
| NH 93 | | S | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NH 94 | | W | Adequate curb height, no improvement needed. |
| NH 94 | | E | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NH 95 | | N | Flat slopes and poorly elevated lots, would benefit from grinding, especially on the north side. Work in this block should be undertaken in conjunction with the proposed improvements at Hawley/North Mountain View. |
| NH 95 | | S | |
| NH 96 | | E | |
| NH 96 | | W | See Section 5.4.1 of report for proposed drainage improvements. No other street improvements are recommended for this block. |
| NH 97 | | E | |
| NH 97 | | W | Mostly new curb & sidewalk exist along this block. |
| NH 98 | | N | |
| NH 98 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NH 99 | | N | Eugene Pl has been constructed as essentially a concrete drainage channel, entirely paved with PCC. West of Raymond, paving is all-new. Sidewalks are good and most homes are well elevated above the street. |
| NH 99 | | S | |
| NH 100 | | N | |
| NH 100 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NH 101 | | E | |
| NH 101 | | W | Low ped demand in these segments would not warrant improvement except that this area is affected by the proposed work at North Mtn View Dr., which will direct increased runoff toward this cul-de-sac. Drainage improvements are recommended to capture this water and avoid aggravating any flooding problems. See Section 5.4.1. |
| NH 102 | | S | |
| NH 102 | | N | |
| NP 1 | | E | |
| NP 1 | | W | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 2 | | N | |
| NP 2 | | S | This segment is actually a "paper street" across a canyon area; no physical improvements exist. |
| NP 3 | | N | Adequate curb height, no improvement needed. |
| NP 3 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 4 | | W | Adequate curb height, no improvement needed. |
| NP 4 | | E | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 5 | | N | No problem with curb heights here. Street is on edge of canyon. Possibly flows from Felton St. shoot across the intersection rather than going into inlet on the north side; this would be a problem for cars but not for peds. |
| NP 5 | | S | |
| NP 6 | | E | Houses on W side lie well below street. Curb was built up to 8-10" height apparently to act as a dam, but there's a driveway opening that probably allows most of the water to enter lots. This driveway could be raised to eliminate this problem. However, this is more a problem for the residents/property owners than area peds. Work is not warranted by the criteria of this study. |
| NP 6 | | W | School fronts on this segment. Curb heights are excellent, sidewalks are in good condition. No improvements required. |
| NP 7 | | E | Although this segment rated "low" in ped demand based on area attractors, its rating has been increased to "high" because it is |

| Community | Block Designation | Side (N,S,E,W) | Notes |
|-----------|-------------------|----------------|---|
| NP 7 | | W | Immediately adjacent to 2 schools. New curb ramps exist on all 4 corners. Pounded water observed in dry weather, could be corrected with a cross-gutter. Cross gutter cost is covered under segment NP10 |
| NP 8 | | N | |
| NP 8 | | S | Adequate curb height, no improvement needed. |
| NP 9 | | N | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 9 | | S | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 10 | | N | Although this segment rated "low" in ped demand based on area attractors, its rating has been increased to "high" because it is immediately adjacent to 2 schools. New curb ramps exist on all 4 corners. Pounded water observed in dry weather, could be corrected with a cross-gutter. |
| NP 10 | | S | |
| NP 11 | | E | Bancroft Street is on a ridge line, with only front yards draining to the street, plus Redwood St is a divide so flows are very low. No evident reason for drainage complaints here. Ped demand is low. |
| NP 11 | | W | |
| NP 12 | | N | |
| NP 12 | | S | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 13 | | S | Extremely flat street slope near alley apron may be source of drainage complaints. Sidewalk could be raised at this location to get it above gutter flow, however due to low ped demand here, no improvement is recommended. |
| NP 13 | | N | No improvement warranted per study criteria. |
| NP 14 | | S | |
| NP 14 | | N | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 15 | | E | Moderate curb height and very good slope along this block. Cause of drainage complaints is not apparent unless it is overflow from Upas and Myrtle Streets. |
| NP 15 | | W | |
| NP 16 | | E | |
| NP 16 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 17 | | E | Bancroft Street is on a ridge line, with only front yards draining to the street, plus Redwood St is a divide so flows are very low. No evident reason for drainage complaints here. Ped demand is low. |
| NP 17 | | W | |
| NP 18 | | N | |
| NP 18 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 19 | | N | Adequate curb height, no improvement needed. |
| NP 19 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 20 | | N | Adequate curb height, no improvement needed. |
| NP 20 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 21 | | N | Adequate curb height, no improvement needed. |
| NP 21 | | S | |
| NP 22 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 22 | | N | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 23 | | E | |
| NP 23 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 24 | | E | Curb heights here are only slightly substandard (nearly 5"), adequate slope & no reported drainage issues and ped demand is only moderate. No improvement work is warranted. |
| NP 24 | | W | |
| NP 25 | | E | Standing water observed along much of the block due to extremely flat slope. However, curb height is fairly good and the ponding does not appear to be impacting ped routes. Low ped demand. Very high flow rates, large watershed. |
| NP 25 | | W | |
| NP 26 | | S | South side of street is within Balboa Park. Meandering sidewalks are not impacted by curb height or street conditions. |
| NP 26 | | N | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 27 | | S | South side of street is within Balboa Park. Meandering sidewalks are not impacted by curb height or street conditions. |
| NP 27 | | N | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 28 | | N | Adequate curb height, no improvement needed. |
| NP 28 | | S | South side of street is within Balboa Park. Meandering sidewalks are not impacted by curb height or street conditions. |
| NP 29 | | S | South side of street is within Balboa Park. Meandering sidewalks are not impacted by curb height or street conditions. |
| NP 29 | | N | |
| NP 30 | | N | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 30 | | S | South side of street is within Balboa Park. Meandering sidewalks are not impacted by curb height or street conditions. |
| NP 31 | | N | |
| NP 31 | | S | Very recent storm drain improvements completed along this section of Upas Street, along with new curb ramps at most corners from 28th Street to 30th Street. Also, a new streetscape improvements at 28th Street including curb underdrains. This work is likely to have resolved the reported drainage problems in this area. Recommend no further work in this street unless any new problems are reported. |
| NP 32 | | N | |
| NP 32 | | S | |
| NP 33 | | N | |
| NP 33 | | S | |
| NP 34 | | N | Adequate curb height, no improvement needed. |
| NP 34 | | S | |
| NP 35 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 35 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| NP 36 | | N | |
| NP 36 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 37 | | N | |
| NP 37 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| NP 38 | | N | Adequate curb height, no improvement needed. |
| NP 38 | | S | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 39 | | N | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 39 | | S | |
| NP 40 | | N | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 40 | | S | |
| NP 41 | | E | |
| NP 41 | | W | Adequate curb height, no improvement needed. |
| NP 42 | | E | |
| NP 42 | | W | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 43 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |

| Community | Block Designation | Side (N,S,E,W) | Notes |
|-----------|-------------------|----------------|---|
| NP 43 | | W | Strip removal and reconstruction is warranted per the study criteria. |
| NP 44 | | W | Adequate curb height, no improvement needed. |
| NP 44 | | E | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 45 | | E | |
| NP 45 | | W | Reported drainage problems appear to be the result of large watershed and flat slope. Recommended drainage improvements would be more beneficial here than surface reconstruction, especially since curb heights are relatively good. |
| NP 46 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 46 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| NP 47 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 47 | | N | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 48 | | N | This block receives flows from a large watershed along 31st St. resulting in reported drainage problems. Could be corrected with installation of underground drainage, however system would need to extend for several blocks and would only benefit two segments that both have low ped demand. May be warranted to reduce street flooding but not warranted per the criteria of this study. |
| NP 48 | | S | |
| NP 49 | | E | |
| NP 49 | | W | Adequate curb height, no improvement needed. |
| NP 50 | | E | |
| NP 50 | | W | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 51 | | E | |
| NP 51 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 52 | | E | |
| NP 52 | | W | Adequate curb height, no improvement needed. |
| NP 53 | | E | Ponding at new curb ramp in dry weather. Looks like it could be corrected with a new cross-gutter. |
| NP 53 | | W | Confluence of a large drainage basin from Ray St. at this intersection - see Large Watersheds map. |
| NP 54 | | W | Adequate curb height, no improvement needed. |
| NP 54 | | E | Strip removal and reconstruction is warranted per the study criteria. |
| NP 55 | | N | |
| NP 55 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 56 | | N | |
| NP 56 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| NP 57 | | N | |
| NP 57 | | S | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| NP 58 | | N | |
| NP 58 | | S | Adequate curb height, no improvement needed. |
| NP 59 | | N | |
| NP 59 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 60 | | N | |
| NP 60 | | S | Adequate curb height, no improvement needed. |
| NP 61 | | E | |
| NP 61 | | W | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 62 | | E | New curb ramp SE corner of Landis/30th contains standing water in dry weather. Even if street cannot be made to drain completely, consider adjusting pavement grades to create a small sump to the south - that way at least the ponding won't be occurring in the ramp. |
| NP 62 | | W | Small section of new curb & gutter mid-block. Looks like grinding would work to obtain drainage down to Dwight St., but would require adjusting lid of SDGE vault. New curb ramp at corner of Landis contains standing water in dry weather. Need pavement adjustment to make it drain. |
| NP 63 | | W | Good curb height, no evident problems. |
| NP 63 | | E | Good drainage but substandard curb height. Grinding may be warranted especially due to high ped demand. Minor ponding noted in cross gutter at Dwight/Grim. |
| NP 64 | | N | Adequate curb height, no improvement needed. |
| NP 64 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 65 | | N | |
| NP 65 | | S | Adequate curb height, no improvement needed. |
| NP 66 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 66 | | W | Strip removal and reconstruction is warranted per the study criteria. |
| NP 67 | | E | |
| NP 67 | | W | Large curb inlets on both sides of street at upper (North) end of block intercept all flows from upstream. Very adequate longitudinal slope. Extensive new curb has been constructed near mid-block, may have corrected the former perceived problems. |
| NP 68 | | E | Adequate curb height, no improvement needed. |
| NP 68 | | W | Strip removal and reconstruction is warranted per the study criteria. |
| NP 69 | | E | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 69 | | W | Strip removal and reconstruction is warranted per the study criteria. |
| NP 70 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 70 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| NP 71 | | N | |
| NP 71 | | S | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 72 | | N | Adequate curb height, no improvement needed. |
| NP 72 | | S | |
| NP 73 | | N | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 73 | | S | |
| NP 74 | | N | |
| NP 74 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 75 | | E | Adequate curb height, no improvement needed. |
| NP 75 | | W | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 76 | | W | Adequate curb height, no improvement needed. |
| NP 76 | | E | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 77 | | E | South half of block has all-new streetscape; improvement recommendations address the north half only. See detail sketches for proposed reconstruction concepts. Ray Street is becoming extremely active with stores and night-time community events and should be given a high priority level for improvement. |
| NP 77 | | W | |
| NP 78 | | E | Adequate curb height, no improvement needed. |

| Community | Block Designation | Side (N,S,E,W) | Notes |
|-----------|-------------------|----------------|--|
| NP 78 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 79 | | E | Adequate curb height, no improvement needed. |
| NP 79 | | W | |
| NP 80 | | E | |
| NP 80 | | W | |
| NP 81 | | S | |
| NP 81 | | N | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 82 | | N | Adequate existing curb, no improvement needed. |
| NP 82 | | S | Some substandard curb near businesses, storm drain nearby, high ped demand. Study whether storm drain improvement is warranted. |
| NP 83 | | S | Adequate curb height, no improvement needed. |
| NP 83 | | N | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 84 | | N | Adequate curb height, no improvement needed. |
| NP 84 | | S | |
| NP 85 | | S | |
| NP 85 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 86 | | E | Normal curb height, no improvement required. |
| NP 86 | | W | Flat slopes plus extensive buckling of curb & gutter has left numerous sumps along the street. Curb & gutter need replacement. |
| NP 87 | | E | GIS data shows inlets at intersection of Polk/Ohio, but no inlets were visible anywhere in the area. Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 87 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. Major redevelopment project underway on west side at time of study; verify condition of any new improvements prior to proceeding with design of remedial work. |
| NP 88 | | E | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 88 | | W | |
| NP 89 | | W | Adequate curb height, no improvement needed. |
| NP 89 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 90 | | E | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 90 | | W | |
| NP 91 | | E | Adequate curb height, no improvement needed. |
| NP 91 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 92 | | E | See separate write-up in drainage section about Texas Street at El Cajon Bl. |
| NP 92 | | W | |
| NP 93 | | E | Adequate curb height, no improvement needed. |
| NP 93 | | W | |
| NP 94 | | W | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 94 | | E | Strip removal and reconstruction is warranted per the study criteria. |
| NP 95 | | E | Adequate curb height, no improvement needed. |
| NP 95 | | W | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 96 | | E | Adequate curb height, no improvement needed. |
| NP 96 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 97 | | E | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 97 | | W | |
| NP 98 | | E | Adequate existing curb, no improvement needed. |
| NP 98 | | W | All-new curbs and sidewalks adjacent to Garfield Elementary School. |
| NP 99 | | E | See Kansas St. write-up, Section 5.4.5. |
| NP 99 | | W | |
| NP 100 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 100 | | W | |
| NP 101 | | N | Adequate curb height, no improvement needed. |
| NP 101 | | S | All-new curbs and sidewalks adjacent to Garfield Elementary School. |
| NP 102 | | N | "Corner-type" curb inlet at alley opening prevents construction of proper curb ramp. Could be replaced similar to south side. |
| NP 102 | | S | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| NP 103 | | N | Due to recent improvements, the reported drainage issues on this block have probably been alleviated. Grinding is warranted to correct substandard curb height. |
| NP 103 | | S | Strip removal and reconstruction is warranted per the study criteria. In addition, see recommended drainage improvement in Section 5.4.5. |
| NP 104 | | E | Very flat slope but no major upstream tributary basin drains to this segment - only fronting property drainage. Source of drainage complaints is not apparent. Street condition does not warrant improvement per the criteria of this study. |
| NP 104 | | W | |
| NP 105 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 105 | | W | |
| NP 106 | | N | The most deficient curbs occur in the area receiving the alley flows, so additional improvement beyond pavement grinding should be considered in final design. |
| NP 106 | | S | Pavement grinding is warranted. |
| NP 107 | | N | Adequate curb height, no improvement needed. |
| NP 107 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| NP 108 | | E | Very flat slope but no major upstream tributary basin drains to this segment - only fronting property drainage. Source of drainage complaints is not apparent. Street condition does not warrant improvement per the criteria of this study |
| NP 108 | | W | Very flat slope but no major upstream tributary basin drains to this segment - only fronting property drainage. Source of drainage complaints is not apparent. Per the criteria of this study, segments with no significant drainage issues and low pedestrian demand do not warrant improvement work. |
| NP 109 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 109 | | W | |
| NP 110 | | N | |
| NP 110 | | S | |
| NP 111 | | N | |
| NP 111 | | S | Strip removal and reconstruction is warranted per the study criteria. |

| Community | Block Designation | Side (N,S,E,W) | Notes |
|-----------|-------------------|----------------|---|
| NP 112 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 112 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| NP 113 | | N | |
| NP 113 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| NP 114 | | N | |
| NP 114 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| NP 115 | | E | |
| NP 115 | | W | Mostly new curbs and sidewalks on this block, no additional improvements needed. |
| SP 1 | | S | Adequate curb height, no improvement needed. |
| SP 1 | | N | Strip removal and reconstruction is warranted per the study criteria. |
| SP 2 | | S | Adequate curb height, no improvement needed. |
| SP 2 | | N | Strip removal and reconstruction is warranted per the study criteria. |
| SP 3 | | N | |
| SP 3 | | S | |
| SP 4 | | N | |
| SP 4 | | S | Adequate curb height, no improvement needed. |
| SP 5 | | N | |
| SP 5 | | S | |
| SP 6 | | N | |
| SP 6 | | S | Homes are elevated well above street, so that raising sidewalk if required does not present an engineering obstacle. |
| SP 7 | | N | |
| SP 7 | | S | This segment is actually a "paper street" across a canyon area; no physical improvements exist. |
| SP 8 | | N | |
| SP 8 | | S | |
| SP 9 | | N | |
| SP 9 | | S | Adequate curb height, no improvement needed. |
| SP 10 | | N | |
| SP 10 | | S | |
| SP 11 | | E | |
| SP 11 | | W | |
| SP 12 | | N | |
| SP 12 | | S | This segment is actually a "paper street" across a canyon area; no physical improvements exist. |
| SP 13 | | E | |
| SP 13 | | W | |
| SP 14 | | N | |
| SP 14 | | S | |
| SP 15 | | N | Adequate curb height, no improvement needed. |
| SP 15 | | S | |
| SP 16 | | W | |
| SP 16 | | E | Strip removal and reconstruction is warranted per the study criteria. |
| SP 17 | | E | |
| SP 17 | | W | This segment is actually a "paper street" across a canyon area; no physical improvements exist. |
| SP 18 | | N | |
| SP 18 | | S | Winding canyon-side cul-de-sac. Large retaining wall on one side and guard rail on the other. Probably not feasible to construct standard sidewalk improvements. Street does not go through or provide service to peds other than its own residents. |
| SP 19 | | E | |
| SP 19 | | W | Adequate curb height, no improvement needed. |
| SP 20 | | E | |
| SP 20 | | W | Winding canyon-side cul-de-sac. Large retaining wall on one side and guard rail on the other. Probably not feasible to construct standard sidewalk improvements. Street does not go through or provide service to peds other than its own residents. |
| SP 21 | | S | Adequate curb height, no improvement needed. |
| SP 21 | | N | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| SP 22 | | N | Adequate curb height, no improvement needed. |
| SP 22 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| SP 23 | | E | Adequate curb height, no improvement needed. |
| SP 23 | | W | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| SP 24 | | W | Lots are elevated well above the street, so raising the sidewalk if required is not an engineering obstacle. |
| SP 24 | | E | Strip removal and reconstruction is warranted per the study criteria. |
| SP 25 | | E | With very good curb height and unusually steep slopes, drainage is not an impediment to any sidewalk improvements. Reported drainage problems in this block may relate to the mid-block sump inlets, both of which are 12' Type C inlets. Each inlet serves two city blocks and any blockage would result in flooding of residential lots. However, no pedestrian issues were observed. |
| SP 25 | | W | |
| SP 26 | | E | |
| SP 26 | | W | This segment is actually a "paper street" across a canyon area; no physical improvements exist. |
| SP 27 | | N | Adequate curb height, no improvement needed. |
| SP 27 | | S | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| SP 28 | | N | |
| SP 28 | | S | |
| SP 29 | | N | Adequate curb height, no improvement needed. |
| SP 29 | | S | |
| SP 30 | | N | |
| SP 30 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| SP 31 | | N | Adequate curb height, no improvement needed. |
| SP 31 | | S | No improvement warranted per study criteria because curb deficiency is mild (3-5") and ped demand is low. |
| SP 32 | | N | |
| SP 32 | | S | This segment is actually a "paper street" across a canyon area; no physical improvements exist. |
| SP 33 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| SP 33 | | E | Strip removal and reconstruction is warranted per the study criteria. |

| Community | Block Designation | Side (N,S,E,W) | Notes |
|-----------|-------------------|----------------|---|
| SP 34 | | E | Standard curb heights, no improvement needed. New curb ramps exist at intersection of Grape/Edgemont, sidewalks in good condition. |
| SP 34 | | W | |
| SP 35 | | E | Street is not crowned, water from both sides flows along west curb, therefore east curb is not an engineering concern. |
| SP 35 | | W | Very steep longitudinal slope and low ped demand result in recommendation of no improvements |
| SP 36 | | E | Adequate curb height, no improvement needed. |
| SP 36 | | W | |
| SP 37 | | E | This segment is actually a "paper street" across a canyon area; no physical improvements exist. |
| SP 37 | | W | |
| SP 38 | | E | Adequate curb height, no improvement needed. |
| SP 38 | | W | |
| SP 39 | | E | Grinding is warranted by mildly deficient curb heights and high ped demand. |
| SP 39 | | W | Strip removal and reconstruction is warranted per the study criteria. |
| SP 40 | | E | Adequate curb height, no improvement needed. |
| SP 40 | | W | |
| SP 41 | | N | No curb or sidewalk exist. Only one home on north side, sitting high above street. No major impediment to sidewalk construction on this low-demand street. |
| SP 41 | | S | No curb or sidewalk exist. One home on south side, which lies below street level and drains to canyon in rear. Constructing curb or sidewalk would actually protect the property from street runoff. |
| SP 42 | | E | Completely unimproved street, no curbs, sidewalks or street paving. Only 2 houses on this block. Complete street improvements would be beyond the scope of this study and should probably be the responsibility of the residents via an assessment district if desired. |
| SP 42 | | W | |
| SP 43 | | S | Adequate curb height, no improvement needed. |
| SP 43 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| SP 44 | | S | South side curb carries only local runoff, moderately deficient height, moderate ped demand, not a part of a longer series of improvements, recommend no pavement modification. |
| SP 44 | | N | North side curb can be increased by strip removal and replacement, which would be an extension of similar work upstream in segment SP47. |
| SP 45 | | S | Adequate curb height, no improvement needed. |
| SP 45 | | N | Strip removal and reconstruction is the recommended measure, but low priority due to low ped demand. |
| SP 46 | | W | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| SP 46 | | E | Strip removal and reconstruction is warranted per the study criteria. |
| SP 47 | | E | Grinding recommended per the study criteria. |
| SP 47 | | W | Strip removal and reconstruction is warranted per the study criteria. |
| SP 48 | | N | Adequate curb height, no improvement needed. |
| SP 48 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| SP 49 | | N | See Section 5.4.2. |
| SP 49 | | S | |
| SP 50 | | N | The appropriate improvement here is strip removal/replacement, however, low ped demand indicates that this is a low-priority improvement unless combined with other nearby work. |
| SP 50 | | S | |
| SP 51 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| SP 51 | | W | |
| SP 52 | | E | Adequate existing curb, no improvement needed. |
| SP 52 | | W | Strip removal and reconstruction is warranted per the study criteria. Flowline at north end should be low enough to provide drainage to segment S57. |
| SP 53 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| SP 53 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| SP 54 | | N | Grinding recommended per the study criteria. |
| SP 54 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| SP 55 | | N | Though curb heights are substandard, this is a very short cul-de-sac with minimal ped demand, therefore no improvement work is recommended. |
| SP 55 | | S | |
| SP 56 | | E | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| SP 56 | | W | |
| SP 57 | | E | Curb heights are standard, no improvements required. New curb ramp at south end of block lacks domes. |
| SP 57 | | W | Low curb heights require strip reconstruction plus new cross gutter at south end of block. |
| SP 58 | | N | Adequate curb height, no improvement needed. |
| SP 58 | | S | The zero curb height on this block is intentional - the parking area of a retail shop occupies the entire frontage. A sidewalk and curb could be constructed along this frontage if desired. |
| SP 59 | | N | Grinding is warranted by mildly deficient curb heights and moderate ped demand. |
| SP 59 | | S | Strip removal and reconstruction is warranted per the study criteria. |
| SP 60 | | N | At the east end of block, reported drainage problem appears to be related to curb return on NE corner with no outlet. Const. of cross gutter could provide drainage to either the south or west, possibly in conjunction with the recommended strip removal and reconstruction. |
| SP 60 | | S | |
| SP 60 | | S | Strip removal and reconstruction is warranted per the study criteria. |

The above data has been listed in **Table 7-2, Segment Improvement Costs**. Segments having no improvement recommendation have been omitted from the table. The data in the table has been sorted in order of priority, so that the items listed first in the table represent the highest priority improvements. In some cases, however, factors other than pedestrian demand should be considered in establishing the priority of work. Some recommended improvements, such as drainage upgrades, may offer benefits to several downstream segments in addition to the segment in which they are located. Also, segments of particular concern to community residents should be considered for early implementation even if their pedestrian demand rating is only moderate. The following are examples of segments or work items that may warrant a higher degree of priority than would be indicated by pedestrian demand alone.

Kansas Street Drainage Improvements: A relatively minor storm drain extension here provides protection to several city blocks, both in and out of the detailed study area. More expensive surface improvements to the south could be deferred because of the reduced storm flows resulting from this work.

Myrtle Avenue Drainage Improvements: At least six segments within the Detailed Study Area and several more outside the study area benefit from this improvement.

Hawley Blvd. / North Mountain View Drive improvements: In addition to having moderately high pedestrian demand, this intersection has been singled out by community representatives as having a particularly severe problem, with high levels of impact to pedestrian movement.

Ray Street: The block immediately south of University Ave. has become a popular pedestrian destination and a limited area of reconstruction is needed to close a gap in the revitalization of the North Park business district.

Total Priority Score

The recommended improvements shown on Table 7-2 are listed in order of “total priority score”. This score was primarily based on the pedestrian priority rankings described above. However, an additional factor of 0 to 4 priority points was added depending on the severity of the observed curb height deficiency. The point system for severity of defects is shown in Table 7-3 below. An additional priority point value of 0 to 3 points was added to account for the value of drainage improvements, with the most beneficial drainage improvements receiving the higher point value. These point categories were totaled to arrive at the “total priority score,” which was used as the basis for the final ranking.

| TABLE 7-3 | | | | |
|------------------------------------|----------------------|-----------|-----------|----------------|
| PRIORITY POINTS FOR | | | | |
| SEVERITY OF CURB DEFICIENCY | | | | |
| STREET SLOPE (%) | CURB HEIGHT CATEGORY | | | |
| | 0 (No curb face) | 1 (0"-3") | 2 (3"-5") | 3 (5" or more) |
| < 0.3 | 4 | 3 | 2 | 0 |
| 0.4 | 3 | 3 | 2 | 0 |
| 0.5 | 3 | 2 | 1 | 0 |
| 0.6 to 1.0 | 2 | 1 | 0 | 0 |
| >1.0 | 1 | 0 | 0 | 0 |

It may be advisable to delay improvements on segments having moderate or high levels of pedestrian demand if they are located adjacent to current or planned major redevelopments, because the redevelopment projects may construct many of the required upgrades at their own expense, allowing the City to redirect its resources elsewhere. Examples include several blocks undergoing large-scale redevelopment in the central business district of North Park, and the area surrounding the new Normal Heights Elementary School. Where permits or approved plans already showed street or sidewalk upgrades, this was taken into account in the improvement recommendations.

The improvement recommendation categories are also presented graphically on **Figure 1, Proposed Improvements** (see map pocket).

About half of the street segments in the study area were not recommended for any type of improvement. The most common reasons for a recommendation of “no improvement” were existing conditions that were found to be adequate, recently installed new improvements, or low pedestrian demand. **Table 7-4, Segments Not Recommended for Improvement** lists each of these segments with an explanation of why no improvement is proposed.

District 3 Sidewalk Study
Segment Improvement Costs
June 6, 2006

| Community | Block Number | Side (N,S,E,W) | Address Range | Street | Priority Ranking | | | | Pedestrian Ramps | Segment Length | Cross Gutters | Recommended Improvement | Surface Improvement Cost | Drainage or Misc. Cost | Description of Misc. or Drainage Item | Total Raw Segment Construction Cost ¹ | Improv Group Cost | Improv Group |
|-----------|--------------|----------------|--------------------|--------|---------------------|------------------------|-------------------|----------------------|------------------|----------------|---------------|-------------------------|--------------------------|---|---------------------------------------|--|-------------------|--------------|
| | | | | | Pedestrian Priority | Severity of Deficiency | Drainage Priority | Total Priority Score | | | | | | | | | | |
| NH1 | E | 4300 - 4399 | MCCLINTOCK | | 16 | 2 | | 18 | 1 | 650 | G | 20,800 | | | 20,800 | | | |
| NH1 | W | 4300 - 4399 | MCCLINTOCK | | 16 | 2 | | 18 | 1 | 650 | G | 20,800 | | | 20,800 | | | |
| NH2 | W | 4300 - 4399 | 38TH | | 16 | 2 | | 18 | 1 | 650 | G | 20,800 | | | 20,800 | | | |
| NH4 | N | 4300 - 4399 | 38TH | | 16 | 3 | | 19 | 2 | 320 | S | 131,000 | | | 131,000 | | | |
| NH4 | S | 3550-3599 | MEADE | | 16 | 3 | | 19 | 2 | 320 | S | 115,600 | | | 115,600 | | | |
| NH5 | S | 3600-3649 | MEADE | | 15 | 0 | | 15 | 2 | 320 | G | 18,300 | | | 18,300 | | | |
| NH6 | S | 3650-3699 | MEADE | | 15 | 0 | | 15 | 2 | 320 | G | 18,300 | | | 18,300 | | | |
| NH6 | N | 3650-3699 | MEADE | | 15 | 1 | | 16 | 2 | 320 | 1 | 131,000 | | | 131,000 | | | |
| NH7 | N | 3700-3749 | MEADE | | 16 | 1 | | 17 | 2 | 320 | 1 | 131,000 | | | 131,000 | | | |
| NH7 | S | 3700-3749 | MEADE | | 16 | 1 | | 17 | 2 | 320 | 1 | 131,000 | | | 131,000 | | | |
| NH8 | N | 3750-3799 | MEADE | | 16 | 0 | | 16 | 2 | 320 | 1 | 115,600 | | | 115,600 | | | |
| NH8 | S | 3750-3799 | MEADE | | 16 | 1 | | 17 | 2 | 320 | 1 | 115,600 | | | 115,600 | | | |
| NH9 | N | 3800 - 3899 | MEADE | | 15 | 0 | | 15 | 2 | 340 | 1 | 34,100 | | | 34,100 | | | |
| NH9 | S | 3800 - 3899 | MEADE | | 15 | 1 | | 16 | 2 | 340 | 1 | 122,100 | | | 122,100 | | | |
| NH11 | W | 4400 - 4499 | 35TH | | 16 | 0 | | 16 | 2 | 670 | G | 17,300 | | | 17,300 | | | |
| NH14 | E | 4400 - 4499 | CHEROKEE | | 17 | 0 | | 17 | 2 | 670 | 1 | 40,400 | | | 40,400 | | | |
| NH15 | E | 4400 - 4499 | 37TH | | 17 | 0 | | 17 | 2 | 670 | 1 | 40,400 | | | 40,400 | 2,612,000 | 5 | |
| NH15 | W | 4400 - 4499 | 37TH | | 17 | 0 | | 17 | 2 | 670 | 1 | 25,000 | | | 25,000 | | | |
| NH16 | E | 4400 - 4499 | MCCLINTOCK | | 17 | 0 | | 17 | 2 | 670 | 1 | 40,400 | | | 40,400 | | | |
| NH17 | E | 4400 - 4499 | 38TH | | 17 | 2 | | 19 | 2 | 670 | 1 | 244,200 | | | 244,200 | | | |
| NH20 | N | 3263-3320 | MONROE | | 15 | 1 | | 16 | 2 | 220 | 1 | 98,700 | | | 98,700 | | | |
| NH21 | N | 3328-3368 | MONROE | | 15 | 1 | | 16 | 4 | 320 | 1 | 138,700 | | | 138,700 | | | |
| NH21 | S | 3328-3368 | MONROE | | 15 | 0 | | 15 | 2 | 320 | 1 | 115,600 | | | 115,600 | | | |
| NH22 | N | 3376-3426 | MONROE | | 16 | 0 | | 16 | 2 | 330 | 1 | 134,200 | | | 134,200 | | | |
| NH22 | S | 3376-3426 | MONROE | | 16 | 0 | | 16 | 2 | 330 | 1 | 118,800 | | | 118,800 | | | |
| NH23 | N | 3430-3458 | MONROE | | 16 | 0 | | 16 | 2 | 330 | 1 | 134,200 | | | 134,200 | | | |
| NH24 | S | 3464-3499 | MONROE | | 16 | 2 | | 18 | 2 | 330 | 1 | 18,500 | | | 18,500 | | | |
| NH25 | N | 3500-3550 | MONROE | | 17 | 1 | | 18 | 4 | 495 | 1 | 44,800 | | New ped ramps @ alley as well as ends of block | 44,800 | | | |
| NH26 | N | 3560-3599 | MONROE | | 17 | 0 | | 17 | 1 | 325 | 1 | 29,900 | | | 29,900 | | | |
| NH27 | N | 3600-3649 | MONROE | | 17 | 0 | | 17 | 4 | 325 | 1 | 26,100 | | New ped ramps @ alley as well as S end of block | 26,100 | | | |
| NH27 | S | 3600-3649 | MONROE | | 17 | 0 | | 17 | 4 | 325 | G | 26,100 | | Reconstruct alley entrance & add ped ramps | 31,100 | | | |
| NH28 | N | 3650-3699 | MONROE | | 17 | 0 | | 17 | 2 | 325 | G | 18,400 | 5,000 | | 18,400 | | | |
| NH28 | S | 3650-3699 | MONROE | | 17 | 0 | | 17 | 2 | 325 | G | 18,400 | | | 18,400 | | | |
| NH29 | N | 3700-3749 | MONROE | | 17 | 0 | | 17 | 2 | 320 | 1 | 18,300 | | | 18,300 | | | |
| NH30 | N | 3750-3799 | MONROE | | 16 | 0 | | 16 | 2 | 320 | 1 | 33,700 | | | 33,700 | | | |
| NH30 | S | 3750-3799 | MONROE | | 16 | 0 | | 16 | 2 | 320 | 1 | 115,600 | | | 115,600 | | | |
| NH31 | N | 3800-3914 | MONROE | | 16 | 0 | | 16 | 2 | 320 | 1 | 33,700 | | | 33,700 | | | |
| NH31 | S | 3800-3914 | MONROE | | 16 | 0 | | 16 | 2 | 320 | 1 | 18,300 | | | 18,300 | | | |
| NH33 | E | 4500 - 4599 | 32ND | | 15 | 2 | | 17 | 2 | 680 | 1 | 25,200 | | | 25,200 | | | |
| NH34 | W | 4500 - 4599 | 34TH | | 17 | 2 | | 19 | 2 | 700 | 1 | 41,000 | | | 41,000 | 209,600 | 9 | |
| NH35 | E | 4500 - 4599 | HAWLEY | | 17 | 2 | | 19 | 2 | 700 | 1 | 41,000 | | | 41,000 | | | |
| NH35 | W | 4500 - 4599 | HAWLEY | | 17 | 2 | | 19 | 2 | 700 | 1 | 25,600 | | | 25,600 | | | |
| NH36 | E | 4500 - 4599 | 35TH | | 17 | 2 | | 19 | 2 | 725 | 1 | 41,500 | | | 41,500 | | | |
| NH37 | E | 4500 - 4599 | WILSON | | 17 | 2 | | 19 | 2 | 700 | 1 | 238,500 | | | 238,500 | | | |
| NH38 | E | 4500 - 4599 | 36TH | | 18 | 2 | | 20 | 2 | 700 | 1 | 253,900 | | | 253,900 | | | |
| NH38 | W | 4500 - 4599 | 36TH | | 18 | 2 | | 20 | 2 | 700 | 1 | 253,900 | | | 253,900 | | | |
| NH39 | E | 4500 - 4599 | CHEROKEE | | 18 | 2 | | 20 | 2 | 530 | S, O | 22,300 | | | 22,300 | | | |
| NH41 | W | 4500 - 4599 | 38TH | | 17 | 0 | | 17 | 2 | 350 | 1 | 34,300 | | | 34,300 | | | |
| NH41 | E | 4500 - 4599 | 38TH | | 17 | 0 | | 17 | 2 | 350 | 1 | 125,300 | | | 125,300 | | | |
| NH42 | N | 3200 - 3249 | MADISON | | 17 | 2 | | 19 | 2 | 320 | 1 | 33,700 | | | 33,700 | | | |
| NH42 | S | 3200 - 3249 | MADISON | | 17 | 2 | | 19 | 2 | 320 | 1 | 18,300 | | | 18,300 | | | |
| NH43 | N | 3250-3299 | MADISON | | 17 | 2 | | 19 | 2 | 320 | 1 | 33,700 | | | 33,700 | | | |
| NH43 | S | 3250-3299 | MADISON | | 17 | 2 | | 19 | 2 | 320 | 1 | 33,700 | | | 33,700 | | | |
| NH45 | S | 3350-3399 | MADISON | | 18 | 0 | | 18 | 2 | 360 | 1 | 19,100 | | | 19,100 | | | |
| NH46 | S | 3400-3425 | MADISON | | 18 | 0 | | 18 | 2 | 360 | 1 | 19,100 | | | 19,100 | 426,900 | 2 | |
| NH47 | S | 3450-3499 | MADISON | | 18 | 1 | | 19 | 1 | 360 | 1 | 124,700 | | | 124,700 | 906,400 | 1 | |
| NH51 | S | 3700-3799 | EAST MOUNTAIN VIEW | | 19 | 1 | | 20 | 2 | 350 | 0 | 125,300 | | | 125,300 | | | |
| NH53 | S | 3800-3899 | EAST MOUNTAIN VIEW | | 16 | 2 | | 18 | 2 | 390 | 1 | 19,600 | | | 19,600 | | | |
| NH54 | E | 4600 - 4699 | 32ND | | 18 | 2 | | 20 | 3 | 860 | G | 32,500 | | New ped ramps @ alley as well as S end of block | 32,500 | | | |
| NH54 | W | 4600 - 4699 | 32ND | | 18 | 2 | | 20 | 3 | 860 | G | 32,500 | | New ped ramps @ alley as well as S end of block | 32,500 | | | |
| NH55 | E | 4600 - 4699 | 34TH | | 19 | 2 | | 21 | 2 | 850 | 1 | 43,900 | | | 43,900 | | | |
| NH55 | W | 4600 - 4699 | 34TH | | 19 | 2 | | 21 | 2 | 850 | 1 | 43,900 | | | 43,900 | | | |
| NH58 | E | 4600 - 4699 | 35TH | | 19 | 2 | | 21 | 2 | 900 | 2 | 334,000 | | | 334,000 | | | |
| NH58 | W | 4600 - 4699 | 35TH | | 19 | 2 | | 21 | 0 | 900 | 1 | 310,900 | | | 310,900 | | | |
| NH59 | E | 4600 - 4699 | CHEROKEE | | 19 | 2 | | 21 | 3 | 850 | G | 32,300 | | | 32,300 | | | |
| NH59 | W | 4600 - 4699 | CHEROKEE | | 19 | 2 | | 21 | 4 | 850 | G | 36,200 | 2,600 | Repair alley apron on west side | 38,800 | | | |
| NH65 | S | 3400 - 3499 | ADAMS | | 19 | 1 | | 20 | | 330 | G | 10,800 | | | 10,800 | | | |
| NH68 | E | 4700-4799 | HAWLEY | | 17 | 2 | 1 | 20 | 1 | 765 | D, G | 23,000 | 173,600 | See separate estimate, Adams Ave at Hawley | 196,600 | 1,014,300 | 17 | |
| NH68 | W | 4700-4799 | HAWLEY | | 17 | 2 | | 19 | 1 | 765 | D, G | 23,000 | | | 23,000 | | | |
| NH69 | E | 4700-4799 | MANSFIELD | | 16 | 2 | | 18 | 1 | 760 | G | 22,900 | | | 22,900 | | | |
| NH69 | W | 4700-4799 | MANSFIELD | | 16 | 2 | | 18 | 1 | 760 | G | 22,900 | | | 22,900 | | | |
| NH70 | E | 4700-4799 | 35TH | | 16 | 2 | | 18 | 1 | 760 | G | 22,900 | | | 22,900 | | | |
| NH70 | W | 4700-4799 | 35TH | | 16 | 2 | | 18 | 1 | 760 | G | 22,900 | | | 22,900 | | | |
| NH71 | E | 4700-4799 | CHEROKEE | | 16 | 2 | | 18 | 1 | 420 | G | 16,400 | | | 16,400 | | | |
| NH72 | S | 4742-4764 | EAST MOUNTAIN VIEW | | 16 | 0 | | 16 | | 360 | G | 11,400 | | | 11,400 | | | |
| NH73 | S | 4714-4726 | EAST MOUNTAIN VIEW | | 16 | 0 | | 16 | | 260 | G | 9,400 | | | 9,400 | | | |
| NH74 | E | 4701-4710 | EAST MOUNTAIN VIEW | | 16 | 0 | | 16 | 2 | 150 | 1 | 30,400 | | | 30,400 | | | |
| NH74 | W | 4706 | EAST MOUNTAIN VIEW | | 16 | 1 | | 17 | 1 | 150 | S | 56,800 | | | 56,800 | | | |
| NH76 | S | 3450-3499 | COLLIER | | 14 | 3 | | 17 | 1 | 320 | S | 111,800 | | | 111,800 | | | |
| NH77 | N | 3400-3499 | COLLIER | | 15 | 2 | | 17 | 2 | 320 | G | 18,300 | | | 18,300 | | | |
| NH77 | S | 3400-3499 | COLLIER | | 15 | 3 | | 18 | 2 | 320 | S | 115,600 | | | 115,600 | | | |

| | | | | | | | | | | | | | | | |
|------|---|-----------|---------------------|----|---|---|----|---|-----|---|------|---------|---------|---|---------|
| NH78 | N | 3500-3599 | COLLIER | 15 | 2 | | 17 | 2 | 320 | | G | 18,300 | | | 18,300 |
| NH79 | N | 3500-3599 | COLLIER | 15 | 0 | | 15 | 1 | 140 | 1 | G | 26,400 | | | 26,400 |
| NH79 | S | 3500-3599 | COLLIER | 15 | 1 | | 16 | 2 | 140 | | S | 57,400 | | | 57,400 |
| NH85 | E | 4800-4899 | 35TH | 13 | 3 | | 16 | 2 | 630 | | S | 215,900 | | | 215,900 |
| NH86 | N | 3426-3499 | COPLEY | 13 | 3 | | 16 | | 300 | 1 | S | 116,800 | | | 116,800 |
| NH89 | W | 4900-4999 | 35TH | 12 | 3 | | 15 | 2 | 605 | 1 | S | 223,200 | | | 223,200 |
| NH90 | N | 3200-3299 | NORTH MOUNTAIN VIEW | 14 | 2 | | 16 | 1 | 690 | | S | 231,400 | | | 231,400 |
| NH93 | N | 3426-3499 | ARTHUR | 11 | 3 | | 14 | | 300 | 1 | S | 118,800 | | | 118,800 |
| NH93 | S | 3426-3499 | ARTHUR | 11 | 3 | | 14 | | 300 | 1 | S | 101,400 | | | 101,400 |
| NH94 | E | 3350-3399 | NORTH MOUNTAIN VIEW | 13 | 3 | | 16 | 2 | 620 | 1 | S | 228,000 | | | 228,000 |
| NH95 | N | 3400-3449 | NORTH MOUNTAIN VIEW | 15 | 3 | 3 | 21 | 1 | 400 | | G, D | 16,000 | 812,500 | See separate estimate, Hawley/Mtn View | 828,500 |
| NH95 | S | 3400-3449 | NORTH MOUNTAIN VIEW | 15 | 3 | | 18 | 1 | 400 | | G, D | 16,000 | | | 16,000 |
| NP7 | W | 2700-2899 | FELTON | 12 | 0 | | 12 | | | 1 | D | 19,800 | | Install cross gutter only | 19,800 |
| NP9 | S | 3250-3299 | PALM | 13 | 3 | | 16 | | 270 | 1 | S | 107,100 | | | 107,100 |
| NP12 | N | 3250-3299 | REDWOOD | 14 | 3 | | 17 | 2 | 280 | | S | 102,700 | | | 102,700 |
| NP12 | S | 3250-3299 | REDWOOD | 14 | 3 | | 17 | 2 | 280 | | S | 102,700 | | | 102,700 |
| NP13 | N | 3300-3349 | REDWOOD | 14 | 3 | | 17 | 2 | 280 | | S | 102,700 | | | 102,700 |
| NP15 | E | 3100-3299 | 30TH | 16 | 0 | | 16 | 2 | 660 | | G | 24,800 | | | 24,800 |
| NP15 | W | 3100-3299 | 30TH | 16 | 0 | | 16 | 2 | 660 | | S | 225,600 | | | 225,600 |
| NP16 | E | 3100-3299 | GRIM | 15 | 2 | | 17 | 2 | 640 | | G | 24,400 | | | 24,400 |
| NP16 | W | 3100-3299 | GRIM | 15 | 2 | | 17 | 2 | 640 | 1 | G | 39,800 | | | 39,800 |
| NP18 | N | 3000-3049 | THORN | 15 | 2 | | 17 | 2 | 300 | 1 | G | 33,300 | | | 33,300 |
| NP18 | S | 3000-3049 | THORN | 15 | 2 | | 17 | 2 | 300 | | G | 17,900 | | | 17,900 |
| NP19 | S | 3050-3099 | THORN | 15 | 2 | | 17 | 2 | 300 | 1 | G | 33,300 | | | 33,300 |
| NP20 | S | 3100-3149 | THORN | 15 | 2 | | 17 | 2 | 300 | | G | 17,900 | | | 17,900 |
| NP22 | N | 3200-3249 | THORN | 14 | 3 | | 17 | 2 | 280 | | S | 95,000 | | | 95,000 |
| NP23 | E | 3300-3399 | 30TH | 16 | 0 | | 16 | 2 | 660 | 1 | G | 40,200 | | | 40,200 |
| NP23 | W | 3300-3399 | 30TH | 16 | 0 | | 16 | 2 | 660 | 1 | G | 40,200 | | | 40,200 |
| NP34 | S | 2900-2999 | UPAS | 16 | 2 | | 18 | | 170 | | G | 7,700 | | | 7,700 |
| NP35 | N | 3000-3049 | UPAS | 15 | 2 | | 17 | 2 | 300 | 1 | G | 33,300 | | | 33,300 |
| NP35 | S | 3000-3049 | UPAS | 15 | 3 | | 18 | 2 | 300 | | S | 109,100 | | | 109,100 |
| NP36 | N | 3050-3099 | UPAS | 15 | 2 | | 17 | 2 | 300 | 1 | G | 33,300 | | | 33,300 |
| NP36 | S | 3050-3099 | UPAS | 15 | 2 | | 17 | 2 | 300 | | G | 17,900 | | | 17,900 |
| NP37 | N | 3100-3149 | UPAS | 15 | 3 | | 18 | 2 | 300 | 1 | S | 124,500 | | | 124,500 |
| NP37 | S | 3100-3149 | UPAS | 15 | 3 | | 18 | 2 | 300 | | S | 109,100 | | | 109,100 |
| NP38 | S | 3150-3199 | UPAS | 13 | 3 | | 16 | 2 | 300 | 1 | S | 124,500 | | | 124,500 |
| NP39 | S | 3250-3299 | UPAS | 12 | 3 | | 15 | 2 | 300 | 1 | S | 124,500 | | | 124,500 |
| NP40 | N | 3250-3299 | UPAS | 12 | 3 | | 15 | 2 | 300 | | S | 109,100 | | | 109,100 |
| NP40 | S | 3250-3299 | UPAS | 12 | 3 | | 15 | 2 | 300 | 1 | S | 124,500 | | | 124,500 |
| NP42 | W | 3400-3499 | PERSHING | 14 | 3 | | 17 | 2 | 400 | | S | 141,500 | | | 141,500 |
| NP43 | E | 3400-3499 | 30TH | 16 | 0 | | 16 | 1 | 380 | | G | 15,600 | | | 15,600 |
| NP43 | W | 3400-3499 | 30TH | 16 | 1 | | 17 | 1 | 380 | 1 | S | 146,600 | | | 146,600 |
| NP44 | E | 3400-3499 | RAY | 14 | 3 | | 17 | 4 | 400 | 1 | S | 164,600 | | | 164,600 |
| NP45 | E | 3400-3499 | GRIM | 15 | 2 | 2 | 19 | | 300 | | D | 0 | 282,800 | See separate estimate, Myrtle Ave improvements | 282,800 |
| NP45 | W | 3400-3499 | GRIM | 15 | 2 | | 17 | | 300 | | D | 0 | | | 0 |
| NP46 | N | 3000-3049 | MYRTLE | 15 | 0 | | 15 | 2 | 300 | 1 | G | 33,300 | | | 33,300 |
| NP46 | S | 3000-3049 | MYRTLE | 15 | 1 | | 16 | 2 | 300 | 1 | S | 124,500 | | | 124,500 |
| NP47 | N | 3050-3099 | MYRTLE | 14 | 1 | | 15 | 2 | 300 | 1 | S | 124,500 | | | 124,500 |
| NP50 | W | 3500-3599 | PERSHING | 14 | 3 | | 17 | 2 | 640 | | S | 219,100 | | | 219,100 |
| NP51 | E | 3500-3599 | 30TH | 16 | 0 | | 16 | 1 | 380 | 1 | G | 31,000 | | | 31,000 |
| NP51 | W | 3500-3599 | 30TH | 16 | 0 | | 16 | 1 | 380 | 1 | G | 31,000 | | | 31,000 |
| NP53 | E | 3500-3599 | GRIM | 15 | 1 | | 16 | 2 | 640 | | G, D | 24,400 | | | 24,400 |
| NP53 | W | 3500-3599 | GRIM | 15 | 1 | | 16 | 2 | 640 | 1 | G | 39,800 | | | 39,800 |
| NP54 | E | | 30TH | 16 | 1 | | 17 | 2 | 380 | 1 | S | 150,400 | | | 150,400 |
| NP55 | N | 3000-3049 | DWIGHT | 16 | 2 | | 18 | 1 | 300 | 1 | G | 29,500 | | | 29,500 |
| NP55 | S | 3000-3049 | DWIGHT | 16 | 2 | | 18 | 1 | 300 | | G | 14,100 | | | 14,100 |
| NP56 | N | 3050-3099 | DWIGHT | 15 | 3 | | 18 | 2 | 300 | 1 | S | 124,500 | | | 124,500 |
| NP56 | S | 3050-3099 | DWIGHT | 15 | 3 | | 18 | 2 | 300 | 1 | S | 124,500 | | | 124,500 |
| NP57 | N | 3100-3149 | DWIGHT | 14 | 3 | | 17 | 2 | 300 | | S | 124,500 | | | 124,500 |
| NP57 | S | 3100-3149 | DWIGHT | 14 | 3 | | 17 | 2 | 300 | | S | 109,100 | | | 109,100 |
| NP62 | E | 3600-3699 | 30TH | 17 | 0 | | 17 | | 380 | 2 | G | 42,500 | | | 42,500 |
| NP62 | W | 3600-3699 | 30TH | 17 | 0 | | 17 | | 380 | 2 | G | 42,500 | 2,000 | Extra traffic control on 30th St | 44,500 |
| NP63 | E | 3600-3699 | GRIM | 17 | 0 | | 17 | | 650 | | G | 16,900 | | | 16,900 |
| NP66 | E | 3600-3799 | 30TH | 16 | 0 | | 16 | | 380 | 1 | G | 27,100 | | | 27,100 |
| NP66 | W | 3600-3799 | 30TH | 16 | 1 | | 17 | | 380 | 1 | S | 142,700 | | | 142,700 |
| NP68 | W | 3700-3799 | PERSHING | 16 | 3 | | 19 | | 660 | | S | 217,900 | | | 217,900 |
| NP69 | E | 3700-3799 | 30TH | 17 | 0 | | 17 | 1 | 380 | | G | 15,600 | | | 15,600 |
| NP69 | W | 3700-3799 | 30TH | 17 | 1 | | 18 | 1 | 380 | 1 | S | 146,600 | | | 146,600 |
| NP70 | N | 2800-2849 | NORTH PARK | 16 | 1 | | 17 | 1 | 280 | 1 | G | 29,100 | | | 29,100 |
| NP70 | S | 2800-2849 | NORTH PARK | 16 | 2 | | 18 | 1 | 280 | | S | 98,800 | | | 98,800 |
| NP71 | N | 2850-2899 | NORTH PARK | 17 | 1 | | 18 | 1 | 280 | 1 | G | 29,100 | | | 29,100 |
| NP71 | S | 2850-2899 | NORTH PARK | 17 | 1 | | 18 | 1 | 280 | 1 | G | 29,100 | | | 29,100 |
| NP72 | S | 2900-2999 | NORTH PARK | 17 | 1 | | 18 | | 280 | | G | 9,800 | | | 9,800 |
| NP73 | N | 3000-3049 | NORTH PARK | 17 | 1 | | 18 | | 280 | | G | 9,800 | | | 9,800 |
| NP73 | S | 3000-3049 | NORTH PARK | 17 | 1 | | 18 | | 280 | | G | 9,800 | | | 9,800 |
| NP74 | N | 3000-3049 | NORTH PARK | 16 | 2 | | 18 | 3 | 290 | 2 | G | 52,400 | | New ped ramps @ alley as well as E end of block | 52,400 |
| NP74 | S | 3000-3049 | NORTH PARK | 16 | 2 | | 18 | 2 | 290 | | G | 17,700 | | | 17,700 |
| NP75 | W | 3800-3899 | PERSHING | 17 | 2 | | 19 | | 320 | | G | 10,600 | | | 10,600 |
| NP76 | E | 3800-3899 | 30TH | 17 | 0 | | 17 | | 395 | 1 | G | 31,300 | 5,000 | Extra traffic control on 30th St | 36,300 |
| NP77 | E | 3800-3899 | RAY | 17 | 3 | 1 | 21 | | | | C | 0 | 52,250 | See separate estimate, Ray Street | 52,250 |
| NP77 | W | 3800-3899 | RAY | 17 | 3 | 1 | 21 | | | | C | 0 | 52,250 | See separate estimate, Ray Street | 52,250 |
| NP78 | W | 3800-3899 | GRIM | 16 | 2 | | 18 | | 360 | | G | 11,400 | | | 11,400 |
| NP81 | N | 2800-2899 | LINCOLN | 19 | 2 | | 21 | | 380 | | G | 11,700 | | | 11,700 |
| NP83 | N | 3000-3099 | LINCOLN | 17 | 2 | | 19 | 2 | 380 | | G | 19,400 | | | 19,400 |
| NP85 | N | 3100-3149 | LINCOLN | 16 | 2 | | 18 | 2 | 380 | | G | 19,400 | | | 19,400 |
| NP86 | W | 4000-4099 | UTAH | 18 | 0 | | 18 | 2 | 680 | | S | 232,000 | | | 232,000 |
| NP87 | E | 4000-4099 | OHIO | 16 | 0 | | 16 | 2 | 670 | | G | 25,000 | | | 25,000 |
| NP87 | W | 4000-4099 | OHIO | 16 | 0 | | 16 | 2 | 670 | | G | 25,000 | | | 25,000 |
| NP88 | E | 4100-4199 | UTAH | 17 | 0 | | 17 | 2 | 680 | 1 | G | 40,600 | | | 40,600 |

| | | | | | | | | | | | | | | | |
|-------|---|-----------|----------|----|---|---|----|---|------|---|------|---------|---------|--|---------|
| NP88 | W | 4100-4199 | UTAH | 17 | 0 | | 17 | 2 | 680 | 1 | G | 40,600 | | | 40,600 |
| NP89 | E | 4100-4199 | OHIO | 16 | 0 | | 16 | 1 | 670 | | G | 21,200 | | | 21,200 |
| NP90 | E | 4200-4299 | UTAH | 17 | 0 | | 17 | 1 | 420 | 1 | G | 31,800 | | | 31,800 |
| NP90 | W | 4200-4299 | UTAH | 17 | 0 | | 17 | 1 | 420 | 1 | G | 31,800 | | | 31,800 |
| NP91 | W | 4200-4299 | OHIO | 16 | 2 | | 18 | 1 | 400 | 1 | G | 31,400 | | | 31,400 |
| NP92 | W | 4300-4399 | TEXAS | 17 | 0 | 1 | 18 | 1 | 650 | | G | 20,800 | 144,900 | See separate estimate, Texas St drainage improv. | 165,700 |
| NP94 | W | 4300-4399 | UTAH | 18 | 0 | | 19 | 2 | 715 | 1 | G | 41,300 | | | 41,300 |
| NP94 | E | 4300-4399 | UTAH | 18 | 1 | | 19 | 2 | 715 | | S | 243,400 | | | 248,400 |
| NP95 | W | 4300-4399 | KANSAS | 18 | 3 | 1 | 21 | 1 | 715 | | G | 22,000 | 3,000 | Extra traffic control at El Cajon Blvd. | 288,000 |
| NP96 | W | 4300-4399 | ILLINOIS | 16 | 0 | | 16 | 1 | 670 | | G | 21,200 | 266,000 | See separate estimate, Kansas St. at Madison | 288,000 |
| NP100 | E | 4400-4499 | ILLINOIS | 15 | 2 | | 17 | 2 | 1300 | 1 | G | 52,600 | | | 52,600 |
| NP100 | W | 4400-4499 | ILLINOIS | 15 | 2 | | 17 | 1 | 1300 | 1 | G | 48,700 | | | 48,700 |
| NP102 | N | 2800-2899 | MONROE | 17 | 2 | | 19 | 2 | 380 | 1 | G,D | 34,800 | | | 34,800 |
| NP102 | S | 2800-2899 | MONROE | 17 | 2 | 1 | 20 | 2 | 380 | 1 | G | 34,800 | 86,300 | See separate estimate, Utah St drainage improv. | 121,100 |
| NP103 | N | 2800-2849 | MONROE | 16 | 2 | | 18 | | 380 | | G | 11,700 | | | 11,700 |
| NP103 | S | 2800-2849 | MONROE | 16 | 3 | 2 | 21 | | 380 | | S, D | 11,700 | 142,300 | See separate estimate, Kansas St. at Monroe | 154,000 |
| NP105 | E | 4500-4599 | OREGON | 15 | 2 | | 17 | 2 | 650 | 1 | G | 40,000 | | | 40,000 |
| NP105 | W | 4500-4599 | OREGON | 15 | 2 | | 17 | 2 | 650 | 1 | G | 40,000 | | | 40,000 |
| NP106 | N | 3000-3099 | MADISON | 16 | 2 | | 18 | 2 | 380 | 1 | G | 34,800 | | | 34,800 |
| NP106 | S | 3000-3099 | MADISON | 16 | 2 | | 18 | 2 | 380 | | G | 19,400 | | | 19,400 |
| NP107 | S | 3000-3099 | MADISON | 16 | 3 | | 19 | 1 | 380 | | S | 131,200 | | | 131,200 |
| NP109 | E | 4600-4699 | 30TH | 16 | 2 | | 18 | 1 | 650 | | G | 20,800 | | | 20,800 |
| NP109 | W | 4600-4699 | 30TH | 16 | 2 | | 18 | 2 | 650 | | G | 24,600 | | | 24,600 |
| NP110 | N | 2600-2699 | ADAMS | 15 | 2 | | 17 | 2 | 340 | 1 | G | 34,100 | | | 34,100 |
| NP110 | S | 2600-2699 | ADAMS | 15 | 2 | | 17 | 2 | 340 | | G | 18,700 | | | 18,700 |
| NP111 | N | 2700-2799 | ADAMS | 15 | 2 | | 17 | 2 | 340 | 1 | G | 34,100 | | | 34,100 |
| NP111 | S | 2700-2799 | ADAMS | 15 | 3 | | 18 | 2 | 340 | | S | 122,100 | | | 122,100 |
| NP112 | N | 2700-2799 | ADAMS | 16 | 2 | | 18 | 2 | 380 | | G | 19,400 | | | 19,400 |
| NP112 | S | 2700-2799 | ADAMS | 16 | 3 | | 19 | 2 | 380 | | S | 135,000 | | | 135,000 |
| NP113 | N | 2700-2799 | ADAMS | 15 | 2 | | 17 | 2 | 340 | 1 | G | 34,100 | | | 34,100 |
| NP113 | S | 2700-2799 | ADAMS | 15 | 2 | | 17 | 2 | 340 | | G | 18,700 | | | 18,700 |
| SP1 | N | 2950-2999 | ASH | 18 | 0 | | 18 | 1 | 280 | | S | 98,800 | | | 98,800 |
| SP2 | N | 3000-3099 | ASH | 19 | 3 | | 22 | 2 | 280 | 1 | S | 118,100 | | | 118,100 |
| SP16 | E | 1500-1599 | 31ST | 16 | 0 | | 16 | 2 | 380 | | S | 135,000 | | | 135,000 |
| SP21 | N | 2800-2849 | DATE | 14 | 3 | | 17 | 1 | 280 | | S | 98,800 | | | 98,800 |
| SP22 | S | 2850-2899 | DATE | 15 | 0 | | 15 | | 280 | | G | 9,800 | | | 9,800 |
| SP23 | W | 1700-1799 | 29TH | 14 | 0 | | 14 | 2 | 370 | | S | 131,800 | | | 131,800 |
| SP24 | E | 1700-1799 | FERN | 16 | 0 | | 16 | 2 | 370 | | S | 131,800 | | | 131,800 |
| SP27 | S | 3000-3099 | ELM | 16 | 0 | | 16 | | 260 | | G | 9,400 | | | 9,400 |
| SP33 | W | 1800-1899 | FERN | 16 | 0 | | 16 | 2 | 380 | 1 | G | 34,800 | | | 34,800 |
| SP33 | E | 1800-1899 | FERN | 16 | 0 | | 16 | 2 | 380 | 1 | S | 150,400 | | | 150,400 |
| SP38 | E | 1900-1999 | FERN | 17 | 0 | | 17 | 2 | 380 | 1 | G | 34,800 | | | 34,800 |
| SP38 | W | 1900-1999 | FERN | 17 | 0 | | 17 | 2 | 380 | 1 | S | 150,400 | | | 150,400 |
| SP43 | N | 2900-2999 | GRAPE | 16 | 2 | | 18 | 2 | 180 | | G | 15,600 | | | 15,600 |
| SP44 | S | 3000-3099 | GRAPE | 16 | 0 | 3 | 19 | | 420 | | S | 0 | 48,500 | See separate estimate, Grape St. | 48,500 |
| SP45 | N | 3250-3299 | GRAPE | 12 | 3 | | 15 | 1 | 280 | 1 | S | 114,200 | | | 114,200 |
| SP46 | W | 2000-2099 | FERN | 16 | 0 | | 16 | 2 | 370 | 1 | G | 34,700 | | | 34,700 |
| SP46 | E | 2000-2099 | FERN | 16 | 1 | | 17 | 2 | 370 | 1 | S | 147,200 | | | 147,200 |
| SP47 | E | 2000-2099 | 31ST | 15 | 0 | | 15 | 2 | 370 | | G | 19,300 | | | 19,300 |
| SP47 | W | 2000-2099 | 31ST | 15 | 0 | | 15 | 2 | 370 | | S | 131,800 | | | 131,800 |
| SP48 | S | 2900-2999 | HAWTHORN | 16 | 3 | | 19 | 1 | 170 | | S | 63,300 | | | 63,300 |
| SP50 | N | 3100-3199 | HAWTHORN | 14 | 3 | | 17 | 1 | 630 | 1 | S | 227,400 | | | 227,400 |
| SP50 | S | 3100-3199 | HAWTHORN | 14 | 3 | | 17 | 1 | 630 | | S | 212,000 | | | 212,000 |
| SP51 | E | 2100-2199 | FERN | 16 | 0 | | 16 | 2 | 370 | | G | 19,300 | | | 19,300 |
| SP51 | W | 2100-2199 | FERN | 16 | 0 | | 16 | 2 | 370 | 1 | G | 34,700 | | | 34,700 |
| SP52 | W | 2100-2199 | 31ST | 15 | 0 | | 15 | | 370 | | S | 124,100 | | | 124,100 |
| SP53 | N | 2900-2999 | IVY | 16 | 2 | | 18 | 1 | 170 | | G | 11,600 | | | 11,600 |
| SP53 | S | 2900-2999 | IVY | 16 | 3 | | 19 | 1 | 170 | | S | 63,300 | | | 63,300 |
| SP54 | N | 3000-3099 | IVY | 15 | 2 | | 17 | 1 | 640 | | G | 20,600 | | | 20,600 |
| SP54 | S | 3000-3099 | IVY | 15 | 3 | | 18 | 1 | 640 | | S | 215,300 | | | 215,300 |
| SP56 | E | 2200-2299 | FERN | 15 | 0 | | 15 | 2 | 340 | | G | 18,700 | | | 18,700 |
| SP56 | W | 2200-2299 | FERN | 15 | 0 | | 15 | 2 | 340 | 1 | G | 34,100 | | | 34,100 |
| SP57 | W | 2200-2299 | 31ST | 13 | 0 | | 13 | | 370 | | S | 124,100 | | | 124,100 |
| SP59 | N | 3000-3099 | JUNIPER | 15 | 2 | | 17 | 1 | 640 | | G | 20,600 | | | 20,600 |
| SP59 | S | 3000-3099 | JUNIPER | 15 | 3 | | 18 | 1 | 640 | | S | 215,300 | | | 215,300 |
| SP60 | N | 3100-3199 | JUNIPER | 12 | 3 | | 15 | 2 | 640 | 1 | S | 234,500 | | | 234,500 |
| SP60 | S | 3100-3199 | JUNIPER | 12 | 3 | | 15 | 2 | 640 | | S | 219,100 | | | 219,100 |

Notes:

1 Segments recommended for 'no improvement' have been omitted.

2 Raw segment construction cost does not include contingency, design fees, permitting costs or other soft costs.

Table 7-4
Explanation of Segments Not Recommended for Improvements
 March 16, 2006

| Community | Block Designation ¹ | Side (N,S,E,W) | Reason for Recommendation of "No Improvements" |
|-----------|--------------------------------|----------------|--|
| NH 2 | | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 3 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 5 | | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 10 | | both | Some new curb/sidewalk but much of the work needs replacement. However, residences are very well elevated above the street, so engineering issues do not appear to be preventing additional improvements. |
| NH 11 | | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 12 | | both | Nearly all-new curb and sidewalk on both sides of this block. |
| NH 13 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 14 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 16 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 17 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 18 | | both | All-new curb and sidewalk on both sides of this block. |
| NH 19 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 20 | | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 23 | | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 24 | | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 25 | | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 26 | | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 29 | | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 32 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 33 | | W | Freeway on-ramp captures nearly all runoff from west side other than lots fronting directly on this block, therefore drainage issues are not likely to be severe in spite of flat grades. |
| NH 34 | | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 36 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 37 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 39 | | W | Many new curb/sidewalk segments on this block. Houses on west side are well-elevated above street, indicating no serious engineering issues. |
| NH 40 | | E | New or recent construction has already been performed. |
| NH 40 | | W | New or recent construction has already been performed. |
| NH 44 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 45 | | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 46 | | both | Nearly all-new curb and sidewalk on both sides of this block. |
| NH 47 | | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 48 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 49 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 50 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 51 | | N | New curbs & sidewalks are currently proposed for construction as part of new Normal Hts Elementary School. |
| NH 52 | | N | New curbs & sidewalks are currently proposed for construction as part of new Normal Hts Elementary School. |
| NH 52 | | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 53 | | N | New or recent construction has already been performed. |
| NH 56 | | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 56 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 57 | | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 57 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 60 | | E | New curbs & sidewalks are currently proposed for construction as part of new Normal Hts Elementary School. |
| NH 60 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 61 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 62 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 63 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 64 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 65 | | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 66 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 67 | | both | Flat grades but homes are fairly well elevated above the street. Some new curb/sidewalk has been newly constructed without causing a problem. |
| NH 71 | | W | Minor upstream drainage basin. |
| NH 71 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 72 | | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 73 | | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 75 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 76 | | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 78 | | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 80 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 81 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 82 | | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 83 | | both | Nearly all-new curb and sidewalk on both sides of this block. |
| NH 84 | | both | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 85 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 86 | | S | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 87 | | W | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 87 | | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 88 | | both | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 89 | | E | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 90 | | S | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 91 | | both | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 92 | | S | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 92 | | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 94 | | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 96 | | both | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 97 | | W | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 97 | | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NH 98 | | both | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NH 99 | | both | This street has already been improved quite recently with PCC pavement. Street has been designed to function as a drainage channel; flow runs down center of street rather than gutters. Houses on both sides are well-elevated above the street and good sidewalks exist. |
| NH 100 | | both | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |

| | | |
|--------|------|---|
| | | Proposed improvements related to Hawley-North Mtn. View are expected to prevent any problems here by capturing runoff upstream. This block is at the end of a long cul-de-sac, therefore low pedestrian demand. |
| NH 102 | N | |
| NH 102 | S | Existing curb height is only mildly deficient (3' to 5' height) and ped demand is ranked low or moderate. |
| NP 1 | both | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NP 2 | both | No physical improvements or residences. Canyon area. This right-of-way segment does not lead to any pedestrian destinations. |
| NP 3 | S | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 3 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 4 | E | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 4 | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 5 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 6 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 8 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 9 | N | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 11 | both | This street lies on a ridge line, with runoff draining away on both sides. No apparent engineering issues were observed. |
| NP 13 | S | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 14 | N | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 14 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 17 | both | This street lies on a ridge line, with runoff draining away on both sides. No apparent engineering issues were observed. |
| NP 19 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 20 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 21 | S | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 21 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 22 | S | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 24 | W | Relatively good curb height. This block will benefit from the proposed Myrtle Ave drainage improvement. |
| NP 24 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction, although houses are level with or below curb elevation. This block will benefit from the Myrtle Ave. drainage improvement. |
| NP 25 | both | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 26 | N | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 26 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 27 | N | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 27 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 28 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 29 | N | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 29 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 30 | S | Fronts on Balboa Park. Sidewalk on south side is meandering, not attached to curb, and not impacted by street conditions. |
| NP 30 | N | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 31 | both | Recent sidewalk & drainage improvements along Upas St. and new streetscape & curb outlets at 28th & Upas appear to have resolved reported drainage issues. Recommend no further need for improvement here unless new problems are reported in the future. |
| NP 32 | both | Recent sidewalk & drainage improvements along Upas St. and new streetscape & curb outlets at 28th & Upas appear to have resolved reported drainage issues. Recommend no further need for improvement here unless new problems are reported in the future. |
| NP 33 | both | Recent sidewalk & drainage improvements along Upas St. and new streetscape & curb outlets at 28th & Upas appear to have resolved reported drainage issues. Recommend no further need for improvement here unless new problems are reported in the future. |
| NP 34 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 38 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 39 | N | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 41 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 42 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 44 | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 47 | S | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 48 | both | Proposed Myrtle Ave. drainage improvement should resolve flooding issues in this block, eliminating immediate need for additional street improvements. |
| NP 49 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 50 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 52 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 54 | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 58 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 59 | S | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NP 59 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 60 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 61 | W | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 61 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 63 | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 64 | S | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 64 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 65 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 67 | both | Large curb inlets at upstream end of block and relatively good street slope indicate that drainage problems have likely been resolved. Extensive new curb/sidewalk at midblock has already been constructed, reducing the need for further improvements. |
| NP 68 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 72 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 75 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 76 | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 78 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 79 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 80 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 81 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 82 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 83 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 84 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 85 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 86 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 89 | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 91 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 92 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 93 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 95 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 96 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 97 | both | Existing curb height is only mildly deficient (3' to 5" height) and ped demand is ranked low or moderate. |
| NP 98 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 101 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 101 | S | All new curb, gutter, & sidewalk exist adjacent to Garfield Elem School. |

| | | |
|--------|------|--|
| NP 104 | both | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NP 107 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| NP 108 | W | Although street slope is very flat, this block has no upstream drainage basin nor any significant observed engineering issues. |
| NP 108 | E | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NP 114 | both | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| NP 115 | both | Although street slope is very flat, this block already has mostly-new curb and sidewalk. Recommend no further action unless new citizen complaints are received. |
| SP 1 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 2 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 3 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 3 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 4 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 4 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 5 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 5 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 6 | S | Only half this block is improved as a street. Cul-de-sac doesn't lead to any further walking destinations to the east. Single home on south side sits well above street so curb/sidewalk construction is not impaired by engineering issues. |
| SP 6 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 7 | both | Right-of-way crosses canyon with large grade differential. No physical improvements or residences exist on this segment. Construction of a pedestrian linkage is either infeasible or beyond the scope of this study. |
| SP 8 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 9 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 10 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 11 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 12 | both | No physical improvements or residences. This right-of-way segment does not lead to any pedestrian destinations. |
| SP 13 | both | No physical improvements or residences. This right-of-way segment does not lead to any pedestrian destinations. |
| SP 14 | both | No physical improvements or residences. This right-of-way segment does not lead to any pedestrian destinations. |
| SP 15 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 16 | W | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 17 | both | No street improvements exist on this segment. |
| SP 18 | both | Winding canyon cul-de-sac, does not lead to any pedestrian destinations other than serving its own residents. Due to steep terrain, sidewalk construction here would be prohibitively difficult and of little benefit due to low traffic. |
| SP 19 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 20 | both | Extension of the same cul-de-sac as SP18, see above. |
| SP 21 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 22 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 23 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 24 | W | West side houses are highly elevated above street. Curb and sidewalk could easily be raised above existing elevations without impacting residences. |
| SP 25 | both | Very steep street leading to mid-block sump inlets. Reported drainage problems may relate to inadequate size of mid-block curb inlets (12' Type C inlets, both sides) however curb heights are standard and do not appear to prevent sidewalk improvements from occurring. |
| SP 26 | both | No physical improvements or residences. Canyon area. This right-of-way segment does not lead to any pedestrian destinations. |
| SP 27 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 28 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 29 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 30 | S | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| SP 30 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 31 | S | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| SP 31 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 32 | both | No street improvements exist on this segment. |
| SP 34 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 35 | both | Very steep street, grades not conducive to pedestrian movement, however full-height curbs exist and drainage is good - no apparent impediment to sidewalk upgrade projects. |
| SP 36 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 37 | both | No physical improvements or residences. Canyon area. This right-of-way segment does not lead to any pedestrian destinations. |
| SP 38 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 40 | both | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 41 | N | No curb exists. Residences are elevated above street although one house would need to modify driveway to construct full-height curb. |
| SP 41 | S | No curb exists. Property on south side sits below street and drains to rear, so adding curb and sidewalk would not negatively impact them. |
| SP 42 | both | Completely unimproved street; no paving, curbs or sidewalks. Only two houses on this partial block. Improvements here would benefit no pedestrians except the two homeowners on the block and would be costly since all-new construction is required. |
| SP 43 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 45 | S | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 48 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 49 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 52 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 55 | both | This block is partially a canyon "paper street" and only a short cul-de-sac has actual improvements. No observed engineering issues. New curb ramps already exist on all 4 corners at 31st. |
| SP 55 | N | Existing curb height is only mildly deficient (3" to 5" height) and ped demand is ranked low or moderate. |
| SP 57 | E | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |
| SP 58 | S | Zero curb due to store parking which opens directly to street. Adequate street grades; no engineering issues. |
| SP 58 | N | Existing curb height is equal to or greater than 5 inches, therefore little or no impediment to new sidewalk construction. |

K:\095240029\Excel\Explanation of excluded segments.xls\Numerical Order

VIII. IMPROVEMENT RECOMMENDATIONS

8.1 Improvement Strategy

Table 7-2 presents the specific improvement recommendations for each street segment in the study area, with an individual cost for each segment listed in order of priority. However, in most cases it would be impractical to implement these half-block improvements as stand-alone projects. (The larger drainage improvements are an exception to this.)

A group of several block improvements, or improvement of an entire neighborhood in a single contract would draw much higher interest from contractors, resulting in more competitive bids. Mobilization, traffic control, and stormwater management could be handled more efficiently on a larger project, so overall project costs would be lower. Larger, combined projects also are likely to be better received by community residents, who usually prefer a limited period of construction to complete all the required work in their neighborhood, rather than piecemeal construction that takes many years to complete.

It is also necessary to package many of the segments together into a single construction package due to drainage considerations. Most of the improvements involve lowering the gutter grade along one side of a block. This new, lower gutter might not have a surface drainage outlet if the downstream segment isn't also lowered by a similar amount. Therefore, it is most feasible to create projects that involve a sequence of connected segments moving downstream along a flow path. This also has the benefit of creating continuous improved walking paths for pedestrians rather than isolated improved blocks.

The following is a list of recommended groupings of segment improvements that will work well from an engineering perspective. They are listed generally in order of priority based on the average pedestrian demand of their individual segments. However, as described in Section 7, some packages are considered to have a higher priority for reasons other than pedestrian demand.

8.2 Packages

See **Figure 11, Improvement Packages** (see map pocket), for a graphical layout of the improvement package groupings.

IMPROVEMENT GROUP 1

Location: Normal Heights (34th & 35th St.)

Segments: NH45, NH46, NH47, NH55, NH58, NH65

Cost: \$906,000

IMPROVEMENT GROUP 2

Location: Normal Heights (Cherokee St.)

Segments: NH39, NH51, NH59, NH71, NH72-74, NH79

Cost: \$427,000

IMPROVEMENT GROUP 3

Location: South Park (Ash St.)

Segments: SP1 & 2

Cost: \$217,000

IMPROVEMENT GROUP 4

Location: North Park (Kansas St.)

Segments: NP103, first phase of Kansas St. drainage improvements

Cost: \$166,000

IMPROVEMENT GROUP 5

Location: Normal Heights

Segments: NH14-17, NH20-31, NH34-38, NH41, NH53

Cost: \$2,612,000

IMPROVEMENT GROUP 6

Location: Normal Heights (Hawley Blvd.)

Segments: NH95

Cost: \$845,000

IMPROVEMENT GROUP 7

Location: North Park (North Park Way)

Segments: NP69, NP70-73, NP76-77

Cost: \$519,000

IMPROVEMENT GROUP 8

Location: North Park (Utah St.)

Segments: NP86, NP88, NP90, NP94-95

Cost: \$953,000

IMPROVEMENT GROUP 9

Location: Normal Heights (32nd St.)

Segments: NH33, NH42-43, NH54

Cost: \$210,000

IMPROVEMENT GROUP 10

Location: North Park (Texas St.)

Segments: NP92

Cost: \$166,000

IMPROVEMENT GROUP 11

Location: North Park (Myrtle Ave.)

Segments: NP45

Cost: \$283,000

IMPROVEMENT GROUP 12

Location: South Park (Grape St.)

Segments: SP44

Cost: \$49,000

IMPROVEMENT GROUP 13

Location: South Park (Fern St.)

Segments: SP24, SP27, SP33, SP39, SP43-44, SP46, SP48, SP51, SP53

Cost: \$950,000

IMPROVEMENT GROUP 14

Location: North Park (30th St.)

Segments: NP15, NP23, NP34, NP43, NP51, NP54, NP62, NP66

Cost: \$970,000

IMPROVEMENT GROUP 15

Location: North Park (Ohio St.)

Segments: NP74, NP78, NP83-85, NP87, NP89, NP91

Cost: \$264,000

IMPROVEMENT GROUP 16

Location: North Park (Monroe and Madison Sts.)

Segments: NP102, NP105-107, NP109, second phase of Kansas St. drainage improvements

Cost: \$733,000

IMPROVEMENT GROUP 17

Location: Normal Heights (Mansfield/Collier)

Segments: NH68-70, NH76-78, NH85, NH89

Cost: \$1,014,000

IMPROVEMENT GROUP 18

Location: North Park (Grim Ave.)

Segments: NP35-36, NP44-45, NP53, NP55-57, NP63

Cost: \$1,248,000

8.3 Scheduling Considerations

The work packages identified here can be constructed as stand-alone projects in the approximate order of priority as listed. However, we recommend coordination with other public agencies and private developers to maximize the efficiency of the improvement program. In particular, coordination is advised with the following parties:

- City Water Department / Metro Wastewater. These departments have an on-going program to replace older water and sewer mains, referred to as “Group Jobs”. These projects typically involve extensive street reconstruction as part of utility replacement projects, and some of the projects currently in the planning process involve the detailed study area. For example, Group Job 767 is located in Normal Heights and will affect many of the same streets as this project.
- SANDAG. Several transportation and transit planning projects are currently being considered that could be efficiently combined with some of the recommendations of this study. For example, SANDAG is studying development of a bus rapid transit system that would construct stations along El Cajon Blvd. Some of these stations involve reconstruction of adjacent streets and sidewalks to enhance pedestrian access to the stations. There may be efficiencies available if the City can coordinate the work of this study with the station development.
- North Park Main Street. This group is actively addressing streetscape and pedestrian enhancements, primarily in the University Avenue corridor. Their proposed projects should be considered when scheduling street improvement work.
- Private developers. The mid-city area is currently experiencing a high level of construction activity, some of it involving redevelopment of entire city blocks within the study area. Coordination with the City’s Development Services department is strongly advised, to ensure that any required street modifications are performed as part of the adjacent development.

IX. COST ESTIMATES

An engineer's opinion of probable construction cost was prepared for each segment. These estimates used unit prices taken from recent comparable bids or other published sources. Some of the unit prices have been increased to account for recent surges in the cost of concrete, reinforced concrete pipe, etc.

Public construction contracts typically include a line item for "mobilization", to compensate the contractor for non-direct costs such as establishing a field office, invoicing, record keeping, etc. The bid prices for mobilization vary considerably, but a rate of about 7% could be considered average. An above-average mobilization rate of 10% of construction costs has been used in this report due to the fact that the proposed projects, unless grouped together into much larger CIP packages, represent relatively small work items. The contractor's overhead costs would therefore represent a larger fraction of total cost, and a somewhat larger mobilization charge is likely to be required to encourage a sufficient number of bidders.

In addition to raw construction costs, the estimates also include an allowance of 40% of construction cost for "soft" costs such as design, permitting, environmental review and mitigation, surveying, pavement coring, geotechnical analysis and other non-construction items, as well as construction management costs.

The very preliminary nature of this study cannot address the full range of engineering issues that may arise during design and construction. These include changes in design standards, discovery of unexpected sub-surface conditions, and identification of issues during final design that require expanding the scope of construction. To account for these factors, we recommend using a contingency factor of 35%. In addition, the costs are based on 2005 price levels and should be escalated for inflation to the year of actual construction.

Each half-segment cost estimate includes an allowance of \$1,000 to account for miscellaneous items such as minor striping, adjusting valve well covers to grade or re-setting survey monuments as required. An allowance of \$3.50 per linear foot for grinding, and \$4 per linear foot for strip replacement, has been included to address the cost of traffic control and stormwater management. Each cross-gutter installation is assumed to have a raw construction cost of \$8,000, and each curb ramp is estimated at \$2,000. Finally, an allowance of \$2,000 per block segment has been included to allow for removal and replacement of approximately 50 linear feet of damaged curb.

X. COMMUNITY OUTREACH

Community participation has been incorporated into each of the three phases of this study. Each of the three recognized communities within the study area boundaries was represented: Normal Heights, North Park and South Park. The first two of these are formal city planning districts and are represented by a planning group. One member of each planning group was designated to represent the planning group by reviewing draft report submittals and attending project status meetings. The third community, South Park, is technically part of the Greater Golden Hill planning area. However, Golden Hill is not entirely within Council District 3. As part of Golden Hill, South Park does not have its own formal community planning group, however design issues within the community are reviewed by the South Park Action Committee. For purposes of this study, a representative of the South Park Action Committee was designated to represent the community.

The working group consisting of the three community representatives met at the Normal Heights Community Center at the completion of each project phase to discuss the project progress and the conclusions reached in each phase. In addition, the community representatives participated in identifying the specific street segments to be included in the Detailed Study area. A progress presentation was made at a regular meeting of the North Park planning group.

Community input formed part of the basis for establishing the pedestrian priority level of each street as well as identifying specific problem areas. Normal Heights performed a survey of community residents asking which streets were most important to residents for walking, and requesting locations of known problems. In North Park, a similar survey was taken at the annual Street Fair, with respondents being invited to identify or describe locations in their neighborhood that present barriers to pedestrian movement. The responses were plotted on the project mapping. Additional input was obtained from the Adams Avenue Business Association.

Other community-based input was furnished by the City's Street Division. The Street Division provided GIS-based mapping of citizen complaints related to drainage issues. This information was combined with the information described above to compile the mapping of known problem areas.

Each of the participating community planning groups had an opportunity to review and comment on the Phase III Final Report of the District 3 Sidewalk Study. The study was approved by the respective community groups on the following dates:

| | |
|--|--------------------|
| Greater Golden Hill Community Planning Committee | September 13, 2006 |
| Greater North Park Community Planning Committee | July 18, 2006 |
| Normal Heights Community Planning Committee | June 6, 2006 |



Normal Heights Community Planning Committee

4649 Hawley Boulevard

San Diego, California 92116

(619) 284-2505

June 6, 2006

Jerry T. McKee, P.E.
City of San Diego
Traffic Engineering Division – Transportation
202 C Street (MS 609)
San Diego, CA 92101

Dear Mr. McKee,

This letter will affirm the decision of the Normal Heights Planning Committee on June 6, 2006 to approve the District 3 Sidewalk Study based on your presentation of the Phase III Draft Final Report.

This step represents a milestone of achievement in our community's efforts to address the serious infrastructure deficits that plague our streets and sidewalks. We recognize and appreciate the ongoing efforts you as the project manager have made to ensure that each of the communities in this study have had adequate opportunity to give meaningful input at every stage of development. Because of this, we actually have a product that meets the goals that we initially laid out in January 2000.

We believe that this study represents a credible and solid basis for seeking the needed funds to get these recommended improvements on the ground.

Sincerely,

Judy Elliott
Chair

Cc: John Morris, Kimley-Horn
SJohnson

Vicki Granowitz, Chair
Greater North Park Community Planning Committee
PO Box 4825
San Diego, CA 92164

July 24, 2006

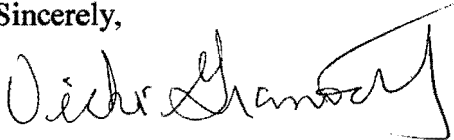
Jerry McKee, Project Manger
City of San Diego
Department of Engineering & Capital Projects
1010 2nd Ave., Suite 1200
San Diego, CA 92104

Dear Mr. McKee:

On July 18, 2006, at our regularly scheduled Board meeting, the Greater North Park Community Planning Committee (GNPCPC) approved the Phase III Draft Final Report District 3 Sidewalk Study on Consent by a vote of 14-0-0.

The GNPCPC looks forward to continuing to work with the City as we increase the quality of life in North Park and thank you for your over two years of work on this very important study. If I can be of further assistance please so not hesitate to call me at 619-528-1183.

Sincerely,

A handwritten signature in black ink, appearing to read "Vicki Granowitz", written in a cursive style.

Vicki Granowitz, Chair
Greater North Park Community Planning Committee

Greater Golden Hill Planning Committee

**P.O. Box 620161
San Diego, CA. 92162**

September 17, 2006

Jerry McKee
City of San Diego
202 West "C" Street
San Diego, CA 92101

Dear Mr. McKee:

On September 13, 2006 at our regularly scheduled general meeting the Greater Golden Hill Planning Committee approved the Phase III Final Report of the District 3 Sidewalk Study.

As the official planning advisory body for the Greater Golden Hill Community Planning Area, we feel this project has created an objective basis for much needed infra-structure improvements and will serve to improve the quality of life for residents and quality of business for merchants in this neighborhood.

Thank you for your hard work in developing this important document. Please feel free to contact me for additional information (619-295-1374).

Sincerely,



Pat Shields
Chair, Greater Golden Hill Planning Committee

Figure 1 Proposed Improvements (map pocket)

Figure 11 Improvement Packages (map pocket)

Figure 12 Longitudinal Slopes of Streets (map pocket)