

# 42nd Avenue NE - NE 123rd St to NE 135th St



# 42nd Avenue NE - NE 123rd St to NE 135th St



**Project ID # 2007-469**

**Type of Improvement:** Sidewalk  
**Neighborhood:** Cedar Park

**Approximate Length:** 3300 feet  
**Street Classification:** Local Street

## **Applicant Description of Problem and/or Project:**

**Problem:** Lack of sidewalks.

**Suggested Project:** Build sidewalk in all of referenced area, or a significant portion of it; possibly add bulbs as well. This street functions as an arterial for local access, but is actually a residential road. There are few places with adequate shoulders, and the width is generally 18 ft across. High traffic volumes (greater than 1400 pd per Seattle DOT) and speeds (greater than 35 mph = 85th percentile) have convinced over 90% of the contacted residents/owners to approve traffic calming with speed humps, approved by DOT. If these are built, there will still be no place for pedestrians.

## **Potential Solution and/or Comments:**

42<sup>nd</sup> Avenue NE – NE 123<sup>rd</sup> St to NE 135<sup>th</sup> St

- Construct concrete curb, gutter, and 6-foot concrete sidewalk for approximately 3300 feet on the west side of the street. No planting strip is proposed in order to minimize the use of walls, and to minimize grades on adjoining driveways.
- Construct new catch basins and storm sewer to collect street runoff on the west side of the street.
- Construct retaining walls along much of the west side of the street.

## **Challenges/Tradeoffs:**

- Existing street width is 18-feet. The proposed project does not propose any widening because of the steep slopes that would require even more walls if the street were to be widened.
- Many driveways in the corridor are already fairly steep, and any widening to either increase the street width to City street standards, or to install sidewalks, will make these driveways steeper.
- Planting strips have been omitted on both sides to avoid steep slopes that would require additional retaining wall costs.
- Parking may be prohibited on the west side of the street.
- Through much of the corridor there are steep slopes on both the uphill and downhill sides of the existing street. Detailed geotechnical studies should be conducted in order to confirm slope stability and appropriate wall technologies to use for any widening.
- Existing private improvements within right-of-way such as landscaping, fences, and walls, may require removal.

**Preliminary Range of Cost:** \$ 3,440,000 to \$ 4,600,000