

# **Reconstructie Knegselsedijk Duizel, Eersel**

## **Akoestisch onderzoek wegverkeerslawaaï**

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# 1 INLEIDING

In opdracht van Aeres Milieu is, in het kader van de reconstructie van de Knegselsedijk te Duizel, Gemeente Eersel, een akoestisch onderzoek uitgevoerd.

De Knegselsedijk wordt vanaf de kruising met de Hoef tot en met de kruising met de Steenovens aangepast. Beide kruispunten worden opnieuw ingericht, de weg wordt verlegd en voorzien van een fietspad naast de weg. Omdat de Knegselsedijk en beide kruispunten daardoor iets worden verschoven, wordt in dit onderzoek bekeken of sprake is van een reconstructie in het kader van de Wet geluidhinder. In hoofdzaak is gekeken naar de Knegselsedijk. Daarnaast is onderzoek uitgevoerd naar de aansluitende wegen, te weten Hoef en Steenovens.

In figuur 1 is een overzicht opgenomen van de situatie.



Figuur 1.1: Situatie (bron: Google maps)

De berekeningen zijn gebaseerd op:

- de “Wet geluidhinder”;
- het “Reken- en Meetvoorschrift Geluid 2012”;

In bijlage I van dit rapport zijn grafische overzichten opgenomen van de onderzochte situatie. In figuur 1A is een overzicht opgenomen van de bestaande situatie (voor reconstructie). In figuur 1B is een overzicht opgenomen van de toekomstige situatie (na reconstructie).

Voor nadere gegevens met betrekking tot de berekeningsgegevens en -resultaten wordt verwezen naar de betreffende rekenbladen welke in de bijlagen zijn opgenomen.

## 2 UITGANGSPUNTEN

### 2.1 Ruimtelijke gegevens

Bij het onderzoek is gebruik gemaakt van een door de opdrachtgever verstrekte situatietekening voor de bestaande en nieuwe toestand, kaartmateriaal van de Publieke Dienstverlening op de Kaart (PDOK), het Actueel Hoogtebestand Nederland (AHN2) en Google Streetview. In bijlage I is de gehanteerde situatietekening opgenomen.

### 2.2 Verkeersgegevens

#### 2.2.1 Wegverkeerslawaaï

De verkeersgegevens voor de Knegelsedijk, Hoef en Steenovens zijn aangereikt door de omgevingsdienst Zuidoost Brabant in de vorm van Shape bestanden. De gegevens hebben betrekking op de jaartallen 2015 en 2030. Om te komen tot een jaar voor en een jaar naar reconstructie, te weten 2020 en 2021 zijn de gegevens geïnterpoleerd. De gegevens zijn afkomstig uit het BBMA Verkeersmodel (Versie S107a). In tabel 2.1 en 2.2 is een overzicht opgenomen van de gehanteerde verkeersgegevens.

Tabel 2.1: Overzicht verkeersgegevens 2020.

| Straat                  | Etmaal-intensiteit | Periode verdeling |       | Verdeling per voertuigcategorie |       |       | Snelheid km/h | Wegdek |
|-------------------------|--------------------|-------------------|-------|---------------------------------|-------|-------|---------------|--------|
|                         |                    |                   |       | Qlv                             | Qmv   | Qzv   |               |        |
| Hoef<br>Deel 1          | 3.506              | D                 | 6,51% | 94,92%                          | 3,92% | 1,17% | 60            | 01     |
|                         |                    | A                 | 3,72% | 96,19%                          | 3,16% | 0,65% |               |        |
|                         |                    | N                 | 0,87% | 94,66%                          | 4,70% | 0,64% |               |        |
| Hoef<br>Deel 2          | 4.279              | D                 | 6,66% | 93,86%                          | 5,59% | 0,55% | 60            | 01     |
|                         |                    | A                 | 3,19% | 95,74%                          | 3,45% | 0,81% |               |        |
|                         |                    | N                 | 0,92% | 94,12%                          | 4,88% | 1,00% |               |        |
| Knegselsedijk<br>Deel 1 | 4.068              | D                 | 6,66% | 94,10%                          | 5,37% | 0,53% | 60            | 01     |
|                         |                    | A                 | 3,19% | 95,90%                          | 3,32% | 0,78% |               |        |
|                         |                    | N                 | 0,92% | 94,35%                          | 4,69% | 0,96% |               |        |
| Knegselsedijk<br>Deel 2 | 4.132              | D                 | 6,66% | 93,62%                          | 5,78% | 0,57% | 60            | 01     |
|                         |                    | A                 | 3,18% | 95,58%                          | 3,58% | 0,84% |               |        |
|                         |                    | N                 | 0,92% | 93,92%                          | 5,05% | 1,03% |               |        |
| Knegselsedijk<br>Deel 3 | 2.805              | D                 | 6,66% | 94,09%                          | 5,38% | 0,53% | 60            | 01     |
|                         |                    | A                 | 3,19% | 95,90%                          | 3,52% | 0,78% |               |        |
|                         |                    | N                 | 0,92% | 94,34%                          | 4,70% | 0,98  |               |        |
| Steenovens<br>Deel 1    | 4.294              | D                 | 6,67% | 91,50%                          | 6,63% | 1,87% | 60            | 75     |
|                         |                    | A                 | 3,16% | 94,05%                          | 4,58% | 1,37% |               |        |
|                         |                    | N                 | 0,92% | 91,85%                          | 6,19% | 1,96% |               |        |
| Steenovens<br>Deel 2    | 4.700              | D                 | 6,67% | 88,92%                          | 8,64% | 2,44% | 60            | 75     |
|                         |                    | A                 | 3,14% | 92,18%                          | 6,02% | 1,80% |               |        |
|                         |                    | N                 | 0,92% | 89,36%                          | 8,09% | 2,55% |               |        |

Tabel 2.2: Overzicht verkeersgegevens 2021.

| Straat               | Etmaal-intensiteit | Periode verdeling |       | Verdeling per voertuigcategorie |        |       | Snelheid km/h | Wegdek |
|----------------------|--------------------|-------------------|-------|---------------------------------|--------|-------|---------------|--------|
|                      |                    |                   |       | Qlv                             | Qmv    | Qzv   |               |        |
| Hoef Deel 1          | 3.430              | D                 | 6,51% | 95,11%                          | 3,76%  | 1,12% | 60            | 01     |
|                      |                    | A                 | 3,72% | 96,34%                          | 3,04%  | 0,62% |               |        |
|                      |                    | N                 | 0,87% | 94,86%                          | 4,52%  | 0,62% |               |        |
| Hoef Deel 2          | 4.266              | D                 | 6,66% | 92,89%                          | 6,47%  | 0,645 | 60            | 01     |
|                      |                    | A                 | 3,18% | 95,05%                          | 4,01%  | 0,94% |               |        |
|                      |                    | N                 | 0,92% | 93,19%                          | 5,65%  | 1,16% |               |        |
| Knegselsedijk Deel 1 | 4.056              | D                 | 6,66% | 91,72%                          | 7,54%  | 0,75% | 60            | 01     |
|                      |                    | A                 | 3,17% | 94,21%                          | 4,69%  | 1,10% |               |        |
|                      |                    | N                 | 0,92% | 92,06%                          | 6,59%  | 1,35% |               |        |
| Knegselsedijk Deel 2 | 4.117              | D                 | 6,67% | 91,39%                          | 7,83%  | 0,77% | 60            | 01     |
|                      |                    | A                 | 3,16% | 93,97%                          | 4,88%  | 1,15% |               |        |
|                      |                    | N                 | 0,92% | 91,75%                          | 6,85%  | 1,40% |               |        |
| Knegselsedijk Deel 3 | 2.805              | D                 | 6,65% | 95,77%                          | 3,85%  | 0,38% | 60            | 01     |
|                      |                    | A                 | 3,20% | 97,08%                          | 2,37%  | 0,55% |               |        |
|                      |                    | N                 | 0,92% | 95,95%                          | 3,36%  | 0,69% |               |        |
| Steenovens Deel 1    | 4.268              | D                 | 6,67% | 91,42%                          | 6,69%  | 1,89% | 60            | 75     |
|                      |                    | A                 | 3,16% | 93,99%                          | 4,62%  | 1,38% |               |        |
|                      |                    | N                 | 0,92% | 91,77%                          | 6,25%  | 1,97% |               |        |
| Steenovens Deel 2    | 4.690              | D                 | 6,68% | 86,96%                          | 10,17% | 2,87% | 60            | 75     |
|                      |                    | A                 | 3,12% | 90,73%                          | 7,14%  | 2,13% |               |        |
|                      |                    | N                 | 0,92% | 87,47%                          | 9,53%  | 3,01  |               |        |

Hierbij is:

Periode: gemiddelde uuraandeel betreffende periode in procenten van de etmaalintensiteit.

Qlv: gemiddeld uuraandeel lichte motorvoertuigen voor respectievelijk de dag-, avond- en nachtperiode in procenten.

Qmv: gemiddeld uuraandeel middelzware motorvoertuigen voor respectievelijk de dag-, avond- en nachtperiode in procenten.

Qzv: gemiddeld uuraandeel zware motorvoertuigen voor respectievelijk de dag-, avond- en nachtperiode in procenten.

Snelheid: ter plaatse toegestane maximum snelheid.

Wegdek: type 01: Glad asfalt.

type 75: SMA NL8

Voor nadere informatie inzake de in- en uitvoerparameters wordt verwezen naar de in bijlage II opgenomen rekenbladen.

## 2.3 Toegepaste rekenmethode

De geluidbelastingen zijn bepaald met behulp van “Standaard Rekenmethode II”, zoals deze is beschreven in het “Reken- en Meetvoorschrift geluid 2012”.

Bij de modellering van het akoestisch rekenmodel is gebruik gemaakt van het pakket WinHavik als ontwikkeld door dirActivity.

## 3 NORMSTELLING WET GELUIDHINDER

### 3.1 Algemeen

In de Wet geluidhinder dient met betrekking tot de geluidbelasting van een weg in nieuwe situaties de geluidbelasting in  $L_{den}$  in dB te worden bepaald. Dit is een gemiddeld geluidniveau over de dag-, avond- en nachtperiode en wordt bepaald met de volgende formule:

$$L_{den} = 10 \lg \frac{1}{24} \left( 12 * 10^{\frac{L_{day}}{10}} + 4 * 10^{\frac{L_{evening}+5}{10}} + 8 * 10^{\frac{L_{night}+10}{10}} \right)$$

De Wet geluidhinder geeft uitsluitend grenswaarden ten aanzien van de geluidbelasting op de gevels van woningen en andere geluidgevoelige bestemmingen.

De definitie van een gevel luidt: “*de bouwkundige constructie die een ruimte in een woning of gebouw scheidt van de buitenlucht, daaronder begrepen het dak, met uitzondering van een constructie zonder te openen delen en met een in NEN 5077 bedoelde karakteristieke geluidwering die tenminste gelijk is aan het verschil tussen de geluidbelasting van die constructie en 33 dB*”.

### 3.2 Omvang geluidzones langs wegen

Krachtens de Wet geluidhinder worden aan weerszijden van een weg zones aangegeven (art. 74 Wgh). Binnen deze zones worden eisen gesteld aan de geluidbelasting. Buiten de zones worden geen eisen gesteld. Een weg is niet zoneplichtig indien er sprake is van:

- wegen die gelegen zijn binnen een als woonerf aangeduid gebied (art. 74 lid 2a. Wgh) of;
- wegen waarvoor een maximum snelheid van 30 km/h geldt (art. 74 lid 2b. Wgh).

De breedte van de geluidzones als functie van het aantal rijstroken van de weg en het soort gebied is weergegeven in tabel 3.1.

Tabel 3.1: Breedte geluidzones aan weerszijde van de weg in meters.

| Gebied          |                      | Breedte (m) geluidzones (art. 74) |
|-----------------|----------------------|-----------------------------------|
| Stedelijk       | 1 of 2 rijstroken    | 200                               |
|                 | 3 of meer rijstroken | 350                               |
| Buitenstedelijk | 1 of 2 rijstroken    | 250                               |
|                 | 3 of 4 rijstroken    | 400                               |
|                 | 5 of meer rijstroken | 600                               |

### 3.3 Aftrek conform artikel 110g Wet geluidhinder

Op grond van verdere ontwikkelingen in de techniek en het treffen van geluid reducerende maatregelen aan de motorvoertuigen, is te verwachten, dat het wegverkeer in de toekomst minder geluid zal produceren dan momenteel het geval is.

Binnen de Wet geluidhinder is middels artikel 110g de mogelijkheid geschapen om deze vermindering van de geluidsproductie in de geluidbelasting door te voeren. Deze aftrek mag



alleen worden toegepast bij het toetsen van de geluidbelasting aan de normstelling en niet bij het bepalen van het binnenniveau (artikel 3.4 Reken- en Meetvoorschrift geluid 2012). De hoogte van de aftrek is afhankelijk van de representatieve snelheid voor lichte motorvoertuigen. In tabel 3.2 is een overzicht opgenomen van de hoogte van de aftrek.

Tabel 3.2: Overzicht aftrek 110 g Wet geluidhinder (artikel 3.4 RMV2012).

| Representatieve snelheid | Aftrek artikel 110g Wgh                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------|
| < 70 km/h                | 5 dB                                                                                        |
| ≥ 70 km/h                | 4 dB<br>voor situaties dat de geluidbelasting zonder aftrek artikel 110g Wgh 57 dB bedraagt |
| ≥ 70 km/h                | 3 dB<br>voor situaties dat de geluidbelasting zonder aftrek artikel 110g Wgh 56 dB bedraagt |
| ≥ 70 km/h                | 2 dB<br>voor andere waarden van de geluidbelasting                                          |

### 3.4 Aftrek stille banden

In artikel 3.5 van het Reken- en meetvoorschrift geluid 2012 is een aftrek opgenomen voor stille banden. Deze aftrek geldt alleen bij wegen met rij snelheden van 70 km/h en hoger. Standaard is de aftrek 2 dB. In de volgende situaties is de aftrek 1 dB:

- Zeer Open Asfalt Beton;
- 2-laags ZOAB, met uitzondering van 2-laags ZOAB-fijn;
- Uitgeborsteld beton;
- Geoptimaliseerd uitgeborsteld beton;
- Oppervlaktebewerking.

Een overzicht van de stille bandenaftrek is opgenomen in tabel 3.3.

Tabel 3.3: Overzicht stille banden aftrek.

| Representatieve snelheid | Wegverharding                                                                                      | Correctie artikel 3.5 (stille banden aftrek) |
|--------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------|
| < 70 km/h                | Alle                                                                                               | 0 dB                                         |
| ≥ 70 km/h                | ZOAB, 2-laags ZOAB, uitgeborsteld beton, geoptimaliseerd uitgeborsteld beton, oppervlaktebewerking | 1 dB                                         |
| ≥ 70 km/h                | Alle andere verhardingen dan bovenstaand vermeld                                                   | 2 dB                                         |

### 3.5 Stedelijk en buitenstedelijk gebied

Gebieden binnen de bebouwde kom, met uitzondering van de gebieden binnen de bebouwde kom gelegen binnen de zone langs een autoweg of autosnelweg als bedoeld in het Reglement verkeersregels en verkeerstekens, worden als stedelijk aangemerkt.

Als buitenstedelijke gebieden worden gebieden buiten de bebouwde kom, alsmede de bovengenoemde uitgezonderde gebieden binnen de bebouwde kom aangemerkt.

### 3.6 Nieuwe situaties

In al die gevallen waar in de aanleg van een geluidgevoelig object en/of een zoneplichtige weg door vaststelling of herziening van een bestemmingsplan wordt voorzien, is er sprake van 'nieuwe situaties'.

### 3.7 Grenswaarden bij reconstructies

Indien er, zoals in de onderhavige situatie, veranderingen bij een bestaande weg worden doorgevoerd dient te worden gezien of er sprake is van een reconstructie in de zin van de Wet geluidhinder (Wgh). Uitgangspunt bij een reconstructie is dat de wegbeheerder een eventuele toename van de geluidbelasting ongedaan zal maken. In de Wgh is het begrip reconstructie als volgt gedefinieerd:

“Reconstructie van een weg: een of meer wijzigingen op of aan een aanwezige weg, ten gevolge waarvan uit akoestisch onderzoek als bedoeld in artikel 77, eerste lid, onder a, en artikel 77, derde lid, blijkt dat de berekende geluidbelasting vanwege de weg in het toekomstige maatgevende jaar zonder het treffen van maatregelen ten opzichte van de geluidbelasting die op grond van artikel 100 dan wel het bepaalde krachtens artikel 100b, aanhef en onder a, als de ten hoogste toelaatbare geluidbelasting geldt met 2 dB of meer wordt verhoogd”.

Op grond van de bovenstaande definitie van een reconstructie worden niet alle wijzigingen op of aan een aanwezige weg aangemerkt als een reconstructie. Voor een reconstructie dient aan de volgende voorwaarden te worden voldaan:

- 1 Een aanwezige weg dient te worden gewijzigd.
- 2 Door de wijziging dient de geluidbelasting toe te nemen.

#### Ad. 1

Een reeds aanwezige weg dient fysiek te worden gewijzigd. Onder een fysieke maatregel wordt verstaan:

- Wijziging van profiel, wegbreedte, hoogteligging.
- Wijziging van aantal rijstroken.
- Aanleg van kruispunten en/of aansluitingen (op- en afritten).
- Verwijdering, plaatsing of wijziging van verkeerstekens.

Als door een wijziging van een weg(gedeelte) elders de verkeersintensiteit zal toenemen, is dit op zich niet aan te merken als een fysieke verandering en derhalve geen reconstructie van een weg in de zin van de Wgh.

#### Ad. 2

Tenminste één van de invoergegevens voor de berekening overeenkomstig het Reken- en Meetvoorschrift dient te wijzigen. Dit betekent dat de geometrische gegevens (afstand en/of hoogte bron ten opzichte van ontvanger) dient te veranderen.

Dit betekent dat als een weg(gedeelte) wordt vervangen (of overlaagd) door een verharding die qua akoestische eigenschappen vergelijkbaar is met de bestaande wegverharding, er géén sprake is van “wijziging van invoergegevens”.

Doel van het akoestisch onderzoek is om de toename van de geluidbelasting te bepalen en te bezien of aldus sprake is van een reconstructie in de zin van de Wgh. De toename van de geluidbelasting is als volgt bepaald:

- Indien in het verleden een hogere waarde is vastgesteld en deze waarde is lager dan de huidige geluidbelasting, dan is de toename gerelateerd aan de eerder vastgestelde hogere waarde. In de overige situaties is de toename gerelateerd aan de huidige geluidbelasting. Als de ten hoogste toelaatbare geluidbelasting in dB(A) is vastgesteld, dan dient deze waarde te worden omgerekend tot een belasting in dB door de getalswaarde van de vastgestelde waarde te verminderen met het verschil tussen de heersende geluidbelasting in dB(A) en de heersende geluidbelasting in dB.
- Indien de huidige- en toekomstige geluidbelasting lager is dan 48 dB dan bedraagt de toename 0 dB, dit omdat te allen tijde mag worden opgevuld tot 48 dB.
- Indien de huidige geluidbelasting minder, doch de toekomstige gevelbelasting meer bedraagt dan 48 dB, dan is de toename bepaald ten opzichte van 48 dB.
- Indien de huidige- en toekomstige geluidbelasting meer bedraagt dan 48 dB, dan is de toename bepaald door de huidige geluidbelasting in mindering te brengen bij de toekomstige geluidbelasting.

### **3.8 De voorliggende situatie**

De Knegselsedijk wordt verlegd en de kruispunten ter hoogte van de Hoef en Steenovens worden verruimd/verlegd. Hierdoor wijzigt het profiel van de weg ten opzichte van de huidige situatie. In de meeste gevallen komt de weg verder van de woningen af te liggen. De geluidbelasting zal hierdoor wijzigen.

In het verleden is geen hogere waarde vastgesteld voor deze woningen. Daarom moet voor de voorkeursgrenswaarde worden uitgegaan van de heersende geluidbelasting.

Mocht er sprake zijn van een reconstructie dan dienen maatregelen te worden getroffen die de vermeerdering van de geluidbelasting ten gevolge van de reconstructie ongedaan maken.

Bij Algemene Maatregel van Bestuur (AMvB) vastgelegde gevallen (Besluit geluidhinder) kan een hogere geluidbelasting worden toegestaan. Deze verhoging mag normaliter niet meer bedragen dan 5 dB. Indien de toename meer bedraagt dan 5 dB, dan dient de geluidbelasting elders op tenminste een gelijk aantal woningen af te nemen met gelijke waarde.

Bij een eventueel verzoek tot vaststelling van een hogere toelaatbare waarde dienen de ten hoogste toelaatbaar geachte geluidbelastingen te voldoen aan artikel 100, 100a en 100b van de Wgh. In de hiernavolgende tabel 3.3 is een overzicht van de grenswaarden opgenomen.

Tabel 3.3: Overzicht grenswaarden bij reconstructies

| Situatie                                                                                                                          | Maximale geluidbelasting [in dB] |                        |              |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------|--------------|
|                                                                                                                                   | Stedelijk gebied                 | Buitenstedelijk gebied | Binnenniveau |
| eerder hogere waarde vastgesteld op grond van:<br>artikel 83 Wgh;<br>artikel 84 lid 2 Wgh. Zoals dit luidde vóór 1 september 1991 | 63                               | 58                     | 33           |
| niet eerder hogere waarde vastgesteld én<br>heersende geluidbelasting $\leq 55$ dB(A)                                             | 63                               | 58                     | 33           |
| eerder hogere waarde vastgesteld in het kader van sanering<br>(art. 90 Wgh.)                                                      | 68                               | 68                     | 38 / 43      |
| niet eerder hogere waarde vastgesteld én heersende<br>geluidbelasting $> 55$ dB(A)                                                | 68                               | 68                     | 33           |

## 4 BEREKENINGSRESULTATEN

Uitgaande van voornoemde uitgangspunten zijn de te verwachten toekomstige optredende gevelbelastingen bepaald voor de woningen langs de Knegselsedijk en aansluitende wegen.

Voor bovengenoemd wegvak is de toename van de geluidbelasting bepaald ter plaatse van de geluidgevoelige bestemmingen en is onderzocht of er sprake is van een reconstructie van een weg in de zin van de Wgh. Bij het bepalen van de toename zijn de geluidbelastingen reeds gecorrigeerd met de aftrek artikel 110g Wgh.

Navolgend is een overzicht opgenomen van de rekenresultaten. Aangegeven is het waarneempunt, het adres, de waarneemhoogte, de geluidbelasting voor reconstructie in Lden (incl. aftrek artikel 110g Wgh), de aftrek conform artikel 110g Wgh, de waarde na reconstructie (incl. aftrek artikel 110g Wgh), de aftrek conform artikel 110g Wgh, de rekenkundige toe-/afname en de toename volgens de Wet geluidhinder (zie hoofdstuk 3.6) indien de belasting boven de voorkeursgrenswaarde ligt. De bijbehorende rekenbladen zijn opgenomen in bijlage II (voor reconstructie) en III (na reconstructie).

Indien de toename tegen een okergele achtergrond is weergegevens is ter plaatse een overschrijding vastgesteld van de drempelwaarde en is er in de zin van de Wet geluidhinder sprake van een reconstructie van een weg.

### 4.1 Knegselsedijk

Tabel 4.1: Berekeningsresultaten Knegselsedijk (in dB).

| Waarneempunt | Adres            | Waarneemhoogte | Voor reconstructie |        |              | Na reconstructie |        |              | Verschil    |      |
|--------------|------------------|----------------|--------------------|--------|--------------|------------------|--------|--------------|-------------|------|
|              |                  |                | Berekende waarde   | Aftrek | Toets waarde | Berekende waarde | Aftrek | Toets waarde | Rekenkundig | Wgh* |
| 1            | Hoef 10          | 1.5            | 50                 | 5      | 45           | 50               | 5      | 45           | 0           | -    |
| 1            | Hoef 10          | 4.5            | 51                 | 5      | 46           | 51               | 5      | 46           | 0           | -    |
| 2            | Hoef 10          | 1.5            | 52                 | 5      | 47           | 51               | 5      | 46           | -1          | -    |
| 2            | Hoef 10          | 4.5            | 50                 | 5      | 45           | 49               | 5      | 44           | -1          | -    |
| 3            | Hoef 7           | 1.5            | 42                 | 5      | 37           | 38               | 5      | 33           | -4          | -    |
| 3            | Hoef 7           | 4.5            | 42                 | 5      | 37           | 38               | 5      | 33           | -4          | -    |
| 4            | Hoef 7           | 1.5            | 48                 | 5      | 43           | 46               | 5      | 41           | -2          | -    |
| 4            | Hoef 7           | 4.5            | 48                 | 5      | 43           | 46               | 5      | 41           | -2          | -    |
| 5            | Achterhoek 2     | 1.5            | 54                 | 5      | 49           | 54               | 5      | 49           | 0           | -    |
| 5            | Achterhoek 2     | 4.5            | 55                 | 5      | 50           | 54               | 5      | 49           | -1          | -1   |
| 6            | Knegselsedijk 17 | 1.5            | 62                 | 5      | 57           | 61               | 5      | 56           | -1          | -1   |
| 6            | Knegselsedijk 17 | 4.5            | 62                 | 5      | 57           | 61               | 5      | 56           | -1          | -1   |
| 7            | Knegselsedijk 17 | 1.5            | 59                 | 5      | 54           | 57               | 5      | 52           | -2          | -2   |
| 7            | Knegselsedijk 17 | 4.5            | 59                 | 5      | 54           | 58               | 5      | 53           | -1          | -1   |
| 8            | Knegselsedijk 17 | 1.5            | 61                 | 5      | 56           | 59               | 5      | 54           | -2          | -2   |
| 8            | Knegselsedijk 17 | 4.5            | 60                 | 5      | 55           | 59               | 5      | 54           | -1          | -1   |
| 9            | Knegselsedijk 13 | 1.5            | 61                 | 5      | 56           | 59               | 5      | 54           | -2          | -2   |
| 9            | Knegselsedijk 13 | 4.5            | 62                 | 5      | 57           | 60               | 5      | 55           | -2          | -2   |
| 10           | Knegselsedijk 13 | 1.5            | 58                 | 5      | 53           | 57               | 5      | 52           | -1          | -1   |

Vervolgtabel 4.1: Berekeningsresultaten Knegselsedijk (in dB).

| Waarneempunt | Adres            | Waarneemhoogte | Voor reconstructie |        |              | Na reconstructie |        |              | Verschil    |      |
|--------------|------------------|----------------|--------------------|--------|--------------|------------------|--------|--------------|-------------|------|
|              |                  |                | Berekende waarde   | Aftrek | Toets waarde | Berekende waarde | Aftrek | Toets waarde | Rekenkundig | Wgh* |
| 10           | Knegselsedijk 13 | 4.5            | 58                 | 5      | 53           | 58               | 5      | 53           | 0           | 0    |
| 11           | Knegselsedijk 13 | 1.5            | 58                 | 5      | 53           | 56               | 5      | 51           | -2          | -2   |
| 11           | Knegselsedijk 13 | 4.5            | 58                 | 5      | 53           | 56               | 5      | 51           | -2          | -2   |
| 12           | Knegselsedijk 9  | 1.5            | 61                 | 5      | 56           | 57               | 5      | 52           | -4          | -4   |
| 13           | Knegselsedijk 9  | 1.5            | 61                 | 5      | 56           | 58               | 5      | 53           | -3          | -3   |
| 13           | Knegselsedijk 9  | 4.5            | 61                 | 5      | 56           | 58               | 5      | 53           | -3          | -3   |
| 14           | Knegselsedijk 9  | 1.5            | 59                 | 5      | 54           | 57               | 5      | 52           | -2          | -2   |
| 14           | Knegselsedijk 9  | 4.5            | 59                 | 5      | 54           | 57               | 5      | 52           | -2          | -2   |
| 15           | Knegselsedijk 9  | 1.5            | 57                 | 5      | 52           | 51               | 5      | 46           | -6          | -4   |
| 15           | Knegselsedijk 9  | 4.5            | 58                 | 5      | 53           | 53               | 5      | 48           | -5          | -5   |
| 16           | Knegselsedijk 7  | 1.5            | 60                 | 5      | 55           | 55               | 5      | 50           | -5          | -5   |
| 16           | Knegselsedijk 7  | 4.5            | 61                 | 5      | 56           | 56               | 5      | 51           | -5          | -5   |
| 17           | Knegselsedijk 7  | 1.5            | 57                 | 5      | 52           | 53               | 5      | 48           | -4          | -4   |
| 17           | Knegselsedijk 7  | 4.5            | 58                 | 5      | 53           | 55               | 5      | 50           | -3          | -3   |
| 18           | Knegselsedijk 7  | 1.5            | 56                 | 5      | 51           | 47               | 5      | 42           | -9          | -3   |
| 18           | Knegselsedijk 7  | 4.5            | 56                 | 5      | 51           | 47               | 5      | 42           | -9          | -3   |
| 19           | Knegselsedijk 5  | 1.5            | 59                 | 5      | 54           | 54               | 5      | 49           | -5          | -5   |
| 20           | Knegselsedijk 5  | 1.5            | 59                 | 5      | 54           | 53               | 5      | 48           | -6          | -6   |
| 21           | Knegselsedijk 5  | 1.5            | 55                 | 5      | 50           | 49               | 5      | 44           | -6          | -2   |
| 22           | Knegselsedijk 5  | 1.5            | 55                 | 5      | 50           | 51               | 5      | 46           | -4          | -2   |
| 23           | Knegselsedijk 3  | 1.5            | 59                 | 5      | 54           | 54               | 5      | 49           | -5          | -5   |
| 23           | Knegselsedijk 3  | 4.5            | 60                 | 5      | 55           | 55               | 5      | 50           | -5          | -5   |
| 24           | Knegselsedijk 3  | 1.5            | 59                 | 5      | 54           | 54               | 5      | 49           | -5          | -5   |
| 24           | Knegselsedijk 3  | 4.5            | 60                 | 5      | 55           | 55               | 5      | 50           | -5          | -5   |
| 25           | Knegselsedijk 3  | 1.5            | 59                 | 5      | 54           | 55               | 5      | 50           | -4          | -4   |
| 25           | Knegselsedijk 3  | 4.5            | 60                 | 5      | 55           | 55               | 5      | 50           | -5          | -5   |
| 26           | Knegselsedijk 3  | 1.5            | 55                 | 5      | 50           | 51               | 5      | 46           | -4          | -2   |
| 26           | Knegselsedijk 3  | 4.5            | 56                 | 5      | 51           | 52               | 5      | 47           | -4          | -3   |
| 27           | Knegselsedijk 3  | 1.5            | 55                 | 5      | 50           | 50               | 5      | 45           | -5          | -2   |
| 27           | Knegselsedijk 3  | 4.5            | 56                 | 5      | 51           | 51               | 5      | 46           | -5          | -3   |
| 28           | Duizelseweg 4    | 1.5            | 60                 | 5      | 55           | 56               | 5      | 51           | -4          | -4   |
| 28           | Duizelseweg 4    | 4.5            | 60                 | 5      | 55           | 56               | 5      | 51           | -4          | -4   |
| 29           | Duizelseweg 4    | 1.5            | 56                 | 5      | 51           | 52               | 5      | 47           | -4          | -3   |
| 29           | Duizelseweg 4    | 4.5            | 57                 | 5      | 52           | 52               | 5      | 47           | -5          | -4   |
| 30           | Duizelseweg 4    | 1.5            | 58                 | 5      | 53           | 54               | 5      | 49           | -4          | -4   |
| 30           | Duizelseweg 4    | 4.5            | 58                 | 5      | 53           | 54               | 5      | 49           | -4          | -4   |
| 31           | Duizelseweg 2    | 1.5            | 58                 | 5      | 53           | 54               | 5      | 49           | -4          | -4   |
| 31           | Duizelseweg 2    | 4.5            | 59                 | 5      | 54           | 55               | 5      | 50           | -4          | -4   |
| 32           | Duizelseweg 2    | 1.5            | 58                 | 5      | 53           | 54               | 5      | 49           | -4          | -4   |
| 32           | Duizelseweg 2    | 4.5            | 59                 | 5      | 54           | 55               | 5      | 50           | -4          | -4   |
| 33           | Duizelseweg 2    | 1.5            | 55                 | 5      | 50           | 51               | 5      | 46           | -4          | -2   |
| 33           | Duizelseweg 2    | 4.5            | 56                 | 5      | 51           | 51               | 5      | 46           | -5          | -3   |
| 34           | Duizelseweg 2    | 1.5            | 54                 | 5      | 49           | 50               | 5      | 45           | -4          | -1   |
| 34           | Duizelseweg 2    | 4.5            | 55                 | 5      | 50           | 51               | 5      | 46           | -4          | -2   |

\* de toename Wgh is die, ten opzichte van de heersende waarde

## 4.2 Hoef

Tabel 4.2: Berekeningsresultaten Hoef (in dB).

| Waar-<br>neem-<br>punt | Adres            | Waar-<br>neem-<br>hoogte | Voor reconstructie  |        |                 | Na reconstructie    |        |                 | Verschil         |      |
|------------------------|------------------|--------------------------|---------------------|--------|-----------------|---------------------|--------|-----------------|------------------|------|
|                        |                  |                          | Berekende<br>waarde | Aftrek | Toets<br>waarde | Berekende<br>waarde | Aftrek | Toets<br>waarde | Reken-<br>kundig | Wgh* |
| 1                      | Hoef 10          | 1.5                      | 61                  | 5      | 56              | 61                  | 5      | 56              | 0                | 0    |
| 1                      | Hoef 10          | 4.5                      | 62                  | 5      | 57              | 61                  | 5      | 56              | -1               | -1   |
| 2                      | Hoef 10          | 1.5                      | 58                  | 5      | 53              | 58                  | 5      | 53              | 0                | 0    |
| 2                      | Hoef 10          | 4.5                      | 58                  | 5      | 53              | 57                  | 5      | 52              | -1               | -1   |
| 3                      | Hoef 7           | 1.5                      | 61                  | 5      | 56              | 61                  | 5      | 56              | 0                | 0    |
| 3                      | Hoef 7           | 4.5                      | 62                  | 5      | 57              | 61                  | 5      | 56              | -1               | -1   |
| 4                      | Hoef 7           | 1.5                      | 57                  | 5      | 52              | 57                  | 5      | 52              | 0                | 0    |
| 4                      | Hoef 7           | 4.5                      | 58                  | 5      | 53              | 57                  | 5      | 52              | -1               | -1   |
| 5                      | Achterhoek 2     | 1.5                      | 44                  | 5      | 39              | 44                  | 5      | 39              | 0                | -    |
| 5                      | Achterhoek 2     | 4.5                      | 43                  | 5      | 38              | 43                  | 5      | 38              | 0                | -    |
| 6                      | Knegselsedijk 17 | 1.5                      | 31                  | 5      | 26              | 31                  | 5      | 26              | -5               | -    |
| 6                      | Knegselsedijk 17 | 4.5                      | 31                  | 5      | 26              | 31                  | 5      | 26              | -5               | -    |
| 7                      | Knegselsedijk 17 | 1.5                      | 29                  | 5      | 24              | 29                  | 5      | 24              | -5               | -    |
| 7                      | Knegselsedijk 17 | 4.5                      | 34                  | 5      | 29              | 33                  | 5      | 28              | -5               | -    |
| 8                      | Knegselsedijk 17 | 1.5                      | 29                  | 5      | 24              | 29                  | 5      | 24              | -5               | -    |
| 8                      | Knegselsedijk 17 | 4.5                      | 29                  | 5      | 24              | 29                  | 5      | 24              | -5               | -    |
| 9                      | Knegselsedijk 13 | 1.5                      | 28                  | 5      | 23              | 28                  | 5      | 23              | -5               | -    |
| 9                      | Knegselsedijk 13 | 4.5                      | 29                  | 5      | 24              | 28                  | 5      | 23              | -5               | -    |
| 10                     | Knegselsedijk 13 | 1.5                      | 29                  | 5      | 24              | 29                  | 5      | 24              | -5               | -    |
| 10                     | Knegselsedijk 13 | 4.5                      | 32                  | 5      | 27              | 32                  | 5      | 27              | -5               | -    |
| 11                     | Knegselsedijk 13 | 1.5                      | 27                  | 5      | 22              | 27                  | 5      | 22              | -5               | -    |
| 11                     | Knegselsedijk 13 | 4.5                      | 27                  | 5      | 22              | 26                  | 5      | 21              | -5               | -    |
| 12                     | Knegselsedijk 9  | 1.5                      | 24                  | 5      | 19              | 24                  | 5      | 19              | -5               | -    |
| 13                     | Knegselsedijk 9  | 1.5                      | 16                  | 5      | 11              | 16                  | 5      | 11              | 0                | -    |
| 13                     | Knegselsedijk 9  | 4.5                      | 23                  | 5      | 18              | 23                  | 5      | 18              | 0                | -    |
| 14                     | Knegselsedijk 9  | 1.5                      | 25                  | 5      | 20              | 25                  | 5      | 20              | 0                | -    |
| 14                     | Knegselsedijk 9  | 4.5                      | 29                  | 5      | 24              | 29                  | 5      | 24              | 0                | -    |
| 15                     | Knegselsedijk 9  | 1.5                      | 22                  | 5      | 17              | 20                  | 5      | 15              | -2               | -    |
| 15                     | Knegselsedijk 9  | 4.5                      | 24                  | 5      | 19              | 24                  | 5      | 19              | 0                | -    |
| 16                     | Knegselsedijk 7  | 1.5                      | 20                  | 5      | 15              | 18                  | 5      | 13              | -2               | -    |
| 16                     | Knegselsedijk 7  | 4.5                      | 24                  | 5      | 19              | 23                  | 5      | 18              | -1               | -    |
| 17                     | Knegselsedijk 7  | 1.5                      | 21                  | 5      | 16              | 21                  | 5      | 16              | 0                | -    |
| 17                     | Knegselsedijk 7  | 4.5                      | 28                  | 5      | 23              | 28                  | 5      | 23              | 0                | -    |
| 18                     | Knegselsedijk 7  | 1.5                      | 26                  | 5      | 21              | 26                  | 5      | 21              | 0                | -    |
| 18                     | Knegselsedijk 7  | 4.5                      | 26                  | 5      | 21              | 26                  | 5      | 21              | 0                | -    |
| 19                     | Knegselsedijk 5  | 1.5                      | 24                  | 5      | 19              | 25                  | 5      | 20              | 1                | -    |
| 20                     | Knegselsedijk 5  | 1.5                      | 20                  | 5      | 15              | 20                  | 5      | 15              | 0                | -    |
| 21                     | Knegselsedijk 5  | 1.5                      | 14                  | 5      | 9               | 14                  | 5      | 9               | 0                | -    |
| 22                     | Knegselsedijk 5  | 1.5                      | 24                  | 5      | 19              | 24                  | 5      | 19              | 0                | -    |
| 23                     | Knegselsedijk 3  | 1.5                      | 20                  | 5      | 15              | 20                  | 5      | 15              | 0                | -    |
| 23                     | Knegselsedijk 3  | 4.5                      | 23                  | 5      | 18              | 23                  | 5      | 18              | 0                | -    |
| 24                     | Knegselsedijk 3  | 1.5                      | 24                  | 5      | 19              | 26                  | 5      | 21              | 2                | -    |
| 24                     | Knegselsedijk 3  | 4.5                      | 25                  | 5      | 20              | 27                  | 5      | 22              | 2                | -    |
| 25                     | Knegselsedijk 3  | 1.5                      | 24                  | 5      | 19              | 28                  | 5      | 23              | 4                | -    |
| 25                     | Knegselsedijk 3  | 4.5                      | 25                  | 5      | 20              | 28                  | 5      | 23              | 3                | -    |

Vervolgtabel 4.2: Berekeningsresultaten Hoef (in dB).

| Waarneempunt | Adres           | Waarneemhoogte | Voor reconstructie |        |              | Na reconstructie |        |              | Verschil    |      |
|--------------|-----------------|----------------|--------------------|--------|--------------|------------------|--------|--------------|-------------|------|
|              |                 |                | Berekende waarde   | Aftrek | Toets waarde | Berekende waarde | Aftrek | Toets waarde | Rekenkundig | Wgh* |
| 26           | Knegselsedijk 3 | 1.5            | 23                 | 5      | 18           | 23               | 5      | 18           | 0           | -    |
| 26           | Knegselsedijk 3 | 4.5            | 23                 | 5      | 18           | 23               | 5      | 18           | 0           | -    |
| 27           | Knegselsedijk 3 | 1.5            | 14                 | 5      | 9            | 14               | 5      | 9            | 0           | -    |
| 27           | Knegselsedijk 3 | 4.5            | 22                 | 5      | 17           | 22               | 5      | 17           | 0           | -    |
| 28           | Duizelseweg 4   | 1.5            | 24                 | 5      | 19           | 24               | 5      | 19           | 0           | -    |
| 28           | Duizelseweg 4   | 4.5            | 26                 | 5      | 21           | 25               | 5      | 20           | -1          | -    |
| 29           | Duizelseweg 4   | 1.5            | 17                 | 5      | 12           | 17               | 5      | 12           | 0           | -    |
| 29           | Duizelseweg 4   | 4.5            | 17                 | 5      | 12           | 17               | 5      | 12           | 0           | -    |
| 30           | Duizelseweg 4   | 1.5            | 25                 | 5      | 20           | 27               | 5      | 22           | 2           | -    |
| 30           | Duizelseweg 4   | 4.5            | 27                 | 5      | 22           | 28               | 5      | 23           | 1           | -    |
| 31           | Duizelseweg 2   | 1.5            | 24                 | 5      | 19           | 24               | 5      | 19           | 0           | -    |
| 31           | Duizelseweg 2   | 4.5            | 24                 | 5      | 19           | 24               | 5      | 19           | 0           | -    |
| 32           | Duizelseweg 2   | 1.5            | 24                 | 5      | 19           | 24               | 5      | 19           | 0           | -    |
| 32           | Duizelseweg 2   | 4.5            | 24                 | 5      | 19           | 24               | 5      | 19           | 0           | -    |
| 33           | Duizelseweg 2   | 1.5            | -                  | 5      | -            | -                | 5      | -            | -           | -    |
| 33           | Duizelseweg 2   | 4.5            | -                  | 5      | -            | -                | 5      | -            | -           | -    |
| 34           | Duizelseweg 2   | 1.5            | 15                 | 5      | 10           | 15               | 5      | 10           | 0           | -    |
| 34           | Duizelseweg 2   | 4.5            | 23                 | 5      | 18           | 23               | 5      | 18           | 0           | -    |

\* de toename Wgh is die, ten opzichte van de heersende waarde

### 4.3 Steenovens

Tabel 4.3: Berekeningsresultaten Steenovens (in dB).

| Waarneempunt | Adres            | Waarneemhoogte | Voor reconstructie |        |              | Na reconstructie |        |              | Verschil    |      |
|--------------|------------------|----------------|--------------------|--------|--------------|------------------|--------|--------------|-------------|------|
|              |                  |                | Berekende waarde   | Aftrek | Toets waarde | Berekende waarde | Aftrek | Toets waarde | Rekenkundig | Wgh* |
| 1            | Hoef 10          | 1.5            | 30                 | 5      | 25           | 28               | 5      | 23           | -2          | -    |
| 1            | Hoef 10          | 4.5            | 31                 | 5      | 26           | 28               | 5      | 23           | -3          | -    |
| 2            | Hoef 10          | 1.5            | 30                 | 5      | 25           | 29               | 5      | 24           | -1          | -    |
| 2            | Hoef 10          | 4.5            | 30                 | 5      | 25           | 28               | 5      | 23           | -2          | -    |
| 3            | Hoef 7           | 1.5            | -                  | 5      | -            | -                | 5      | -            | -           | -    |
| 3            | Hoef 7           | 4.5            | -                  | 5      | -            | -                | 5      | -            | -           | -    |
| 4            | Hoef 7           | 1.5            | 16                 | 5      | 11           | 14               | 5      | 9            | -2          | -    |
| 4            | Hoef 7           | 4.5            | 19                 | 5      | 14           | 16               | 5      | 11           | -3          | -    |
| 5            | Achterhoek 2     | 1.5            | 28                 | 5      | 23           | 15               | 5      | 10           | -13         | -    |
| 5            | Achterhoek 2     | 4.5            | 28                 | 5      | 23           | 15               | 5      | 10           | -13         | -    |
| 6            | Knegselsedijk 17 | 1.5            | 42                 | 5      | 37           | 40               | 5      | 35           | -2          | -    |
| 6            | Knegselsedijk 17 | 4.5            | 42                 | 5      | 37           | 40               | 5      | 35           | -2          | -    |
| 7            | Knegselsedijk 17 | 1.5            | 30                 | 5      | 25           | 22               | 5      | 17           | -8          | -    |
| 7            | Knegselsedijk 17 | 4.5            | 32                 | 5      | 27           | 23               | 5      | 18           | -9          | -    |
| 8            | Knegselsedijk 17 | 1.5            | 45                 | 5      | 40           | 42               | 5      | 37           | -3          | -    |
| 8            | Knegselsedijk 17 | 4.5            | 43                 | 5      | 38           | 41               | 5      | 36           | -2          | -    |
| 9            | Knegselsedijk 13 | 1.5            | 49                 | 5      | 44           | 47               | 5      | 42           | -2          | -    |
| 9            | Knegselsedijk 13 | 4.5            | 48                 | 5      | 43           | 46               | 5      | 41           | -2          | -    |
| 10           | Knegselsedijk 13 | 1.5            | 38                 | 5      | 33           | 34               | 5      | 29           | -4          | -    |
| 10           | Knegselsedijk 13 | 4.5            | 37                 | 5      | 32           | 34               | 5      | 29           | -3          | -    |
| 11           | Knegselsedijk 13 | 1.5            | 51                 | 5      | 46           | 49               | 5      | 44           | -2          | -    |



Vervolgtabel 4.3: Berekeningsresultaten Steenovens (in dB).

| Waar-neem-punt | Adres            | Waar-neem-hoogte | Voor reconstructie |        |              | Na reconstructie |        |              | Verschil     |      |
|----------------|------------------|------------------|--------------------|--------|--------------|------------------|--------|--------------|--------------|------|
|                |                  |                  | Berekende waarde   | Aftrek | Toets waarde | Berekende waarde | Aftrek | Toets waarde | Reken-kundig | Wgh* |
| 11             | Knegselsedijk 13 | 4.5              | 49                 | 5      | 44           | 46               | 5      | 41           | -            | -    |
| 12             | Knegselsedijk 9  | 1.5              | 53                 | 5      | 48           | 48               | 5      | 43           | -5           | -    |
| 13             | Knegselsedijk 9  | 1.5              | 51                 | 5      | 46           | 50               | 5      | 45           | -            | -    |
| 13             | Knegselsedijk 9  | 4.5              | 53                 | 5      | 48           | 49               | 5      | 44           | -4           | -    |
| 14             | Knegselsedijk 9  | 1.5              | 44                 | 5      | 39           | 40               | 5      | 35           | -4           | -    |
| 14             | Knegselsedijk 9  | 4.5              | 42                 | 5      | 37           | 39               | 5      | 34           | -3           | -    |
| 15             | Knegselsedijk 9  | 1.5              | 52                 | 5      | 47           | 47               | 5      | 42           | -5           | -    |
| 15             | Knegselsedijk 9  | 4.5              | 53                 | 5      | 48           | 47               | 5      | 42           | -6           | -    |
| 16             | Knegselsedijk 7  | 1.5              | 55                 | 5      | 50           | 49               | 5      | 44           | -6           | -2   |
| 16             | Knegselsedijk 7  | 4.5              | 56                 | 5      | 51           | 49               | 5      | 44           | -7           | -3   |
| 17             | Knegselsedijk 7  | 1.5              | 48                 | 5      | 43           | 41               | 5      | 36           | -7           | -    |
| 17             | Knegselsedijk 7  | 4.5              | 47                 | 5      | 42           | 41               | 5      | 36           | -6           | -    |
| 18             | Knegselsedijk 7  | 1.5              | 53                 | 5      | 48           | 50               | 5      | 45           | -3           | -    |
| 18             | Knegselsedijk 7  | 4.5              | 54                 | 5      | 49           | 49               | 5      | 44           | -5           | -1   |
| 19             | Knegselsedijk 5  | 1.5              | 51                 | 5      | 46           | 48               | 5      | 43           | -3           | -    |
| 20             | Knegselsedijk 5  | 1.5              | 51                 | 5      | 46           | 49               | 5      | 44           | -2           | -    |
| 21             | Knegselsedijk 5  | 1.5              | -                  | 5      | -            | -                | 5      | -            | -            | -    |
| 22             | Knegselsedijk 5  | 1.5              | 51                 | 5      | 46           | 48               | 5      | 43           | -3           | -    |
| 23             | Knegselsedijk 3  | 1.5              | 50                 | 5      | 45           | 48               | 5      | 43           | -2           | -    |
| 23             | Knegselsedijk 3  | 4.5              | 49                 | 5      | 44           | 47               | 5      | 42           | -2           | -    |
| 24             | Knegselsedijk 3  | 1.5              | 49                 | 5      | 44           | 47               | 5      | 42           | -2           | -    |
| 24             | Knegselsedijk 3  | 4.5              | 49                 | 5      | 44           | 47               | 5      | 42           | -2           | -    |
| 25             | Knegselsedijk 3  | 1.5              | 49                 | 5      | 44           | 47               | 5      | 42           | -2           | -    |
| 25             | Knegselsedijk 3  | 4.5              | 48                 | 5      | 43           | 46               | 5      | 41           | -2           | -    |
| 26             | Knegselsedijk 3  | 1.5              | 25                 | 5      | 20           | 24               | 5      | 19           | -1           | -    |
| 26             | Knegselsedijk 3  | 4.5              | 26                 | 5      | 21           | 24               | 5      | 19           | -2           | -    |
| 27             | Knegselsedijk 3  | 1.5              | 50                 | 5      | 45           | 48               | 5      | 43           | -2           | -    |
| 27             | Knegselsedijk 3  | 4.5              | 49                 | 5      | 44           | 47               | 5      | 42           | -2           | -    |
| 28             | Duizelseweg 4    | 1.5              | 44                 | 5      | 39           | 43               | 5      | 38           | -1           | -    |
| 28             | Duizelseweg 4    | 4.5              | 43                 | 5      | 38           | 42               | 5      | 37           | -1           | -    |
| 29             | Duizelseweg 4    | 1.5              | -                  | 5      | -            | -                | 5      | -            | -            | -    |
| 29             | Duizelseweg 4    | 4.5              | -                  | 5      | -            | -                | 5      | -            | -            | -    |
| 30             | Duizelseweg 4    | 1.5              | 45                 | 5      | 40           | 45               | 5      | 40           | 0            | -    |
| 30             | Duizelseweg 4    | 4.5              | 44                 | 5      | 39           | 44               | 5      | 39           | 0            | -    |
| 31             | Duizelseweg 2    | 1.5              | 40                 | 5      | 35           | 40               | 5      | 35           | 0            | -    |
| 31             | Duizelseweg 2    | 4.5              | 40                 | 5      | 35           | 39               | 5      | 34           | -1           | -    |
| 32             | Duizelseweg 2    | 1.5              | 40                 | 5      | 35           | 39               | 5      | 34           | -1           | -    |
| 32             | Duizelseweg 2    | 4.5              | 40                 | 5      | 35           | 39               | 5      | 34           | -1           | -    |
| 33             | Duizelseweg 2    | 1.5              | -                  | 5      | -            | -                | 5      | -            | -            | -    |
| 33             | Duizelseweg 2    | 4.5              | -                  | 5      | -            | -                | 5      | -            | -            | -    |
| 34             | Duizelseweg 2    | 1.5              | 39                 | 5      | 34           | 39               | 5      | 34           | 0            | -    |
| 34             | Duizelseweg 2    | 4.5              | 40                 | 5      | 35           | 39               | 5      | 34           | -1           | -    |

\* de toename Wgh is die, ten opzichte van de heersende waarde

## 5 EVALUATIE REKENRESULTATEN & CONCLUSIE

In opdracht van Aeres Milieu is een akoestisch onderzoek uitgevoerd naar een mogelijk reconstructie-effect ten gevolge van een fysieke aanpassing van de Knegselsedijk en twee kruispunten met de Hoef en Steenhovens.

Het akoestisch onderzoek is uitgevoerd voor de woningen aan Hoef 7 en 10, Achterhoek 2, Knegselsedijk 3, 5, 7, 9, 13 en 17 en Duizelseweg 2 en 4.

Ten gevolge van de verlegging van de weg en autonome groei, neemt de geluidbelasting op de woningen over het algemeen af. In alle getoetste gevallen is er daarmee geen sprake van een reconstructie in het kader van de Wet geluidhinder.

## **BIJLAGE I**

Figuren akoestisch rekenmodel





■ bebouwing  
— rijlijn  
+ waarneempunt gevel

project  
opdrachtgever  
Reconstructieonderzoek Knegelsedijk te Eersel  
Aeres Milieu  
omschrijving  
Figuur 1A  
Situatie voor reconstructie





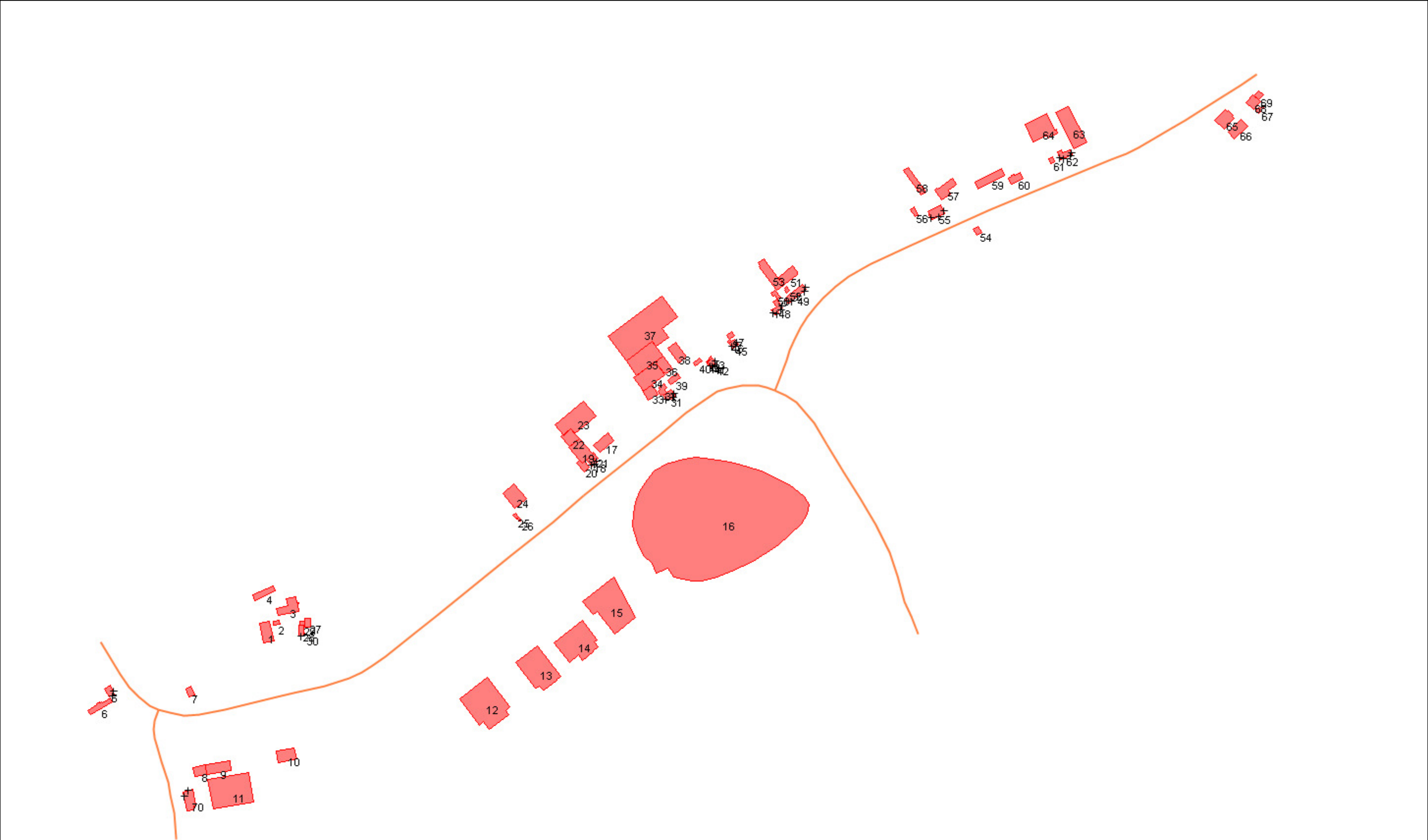


■ bebouwing  
— rijlijn  
+ waarneempunt gevel

project  
opdrachtgever  
Reconstructieonderzoek Knegelsedijk te Eersel  
Aeres Milieu  
omschrijving  
Figuur 1B  
Situatie na reconstructie



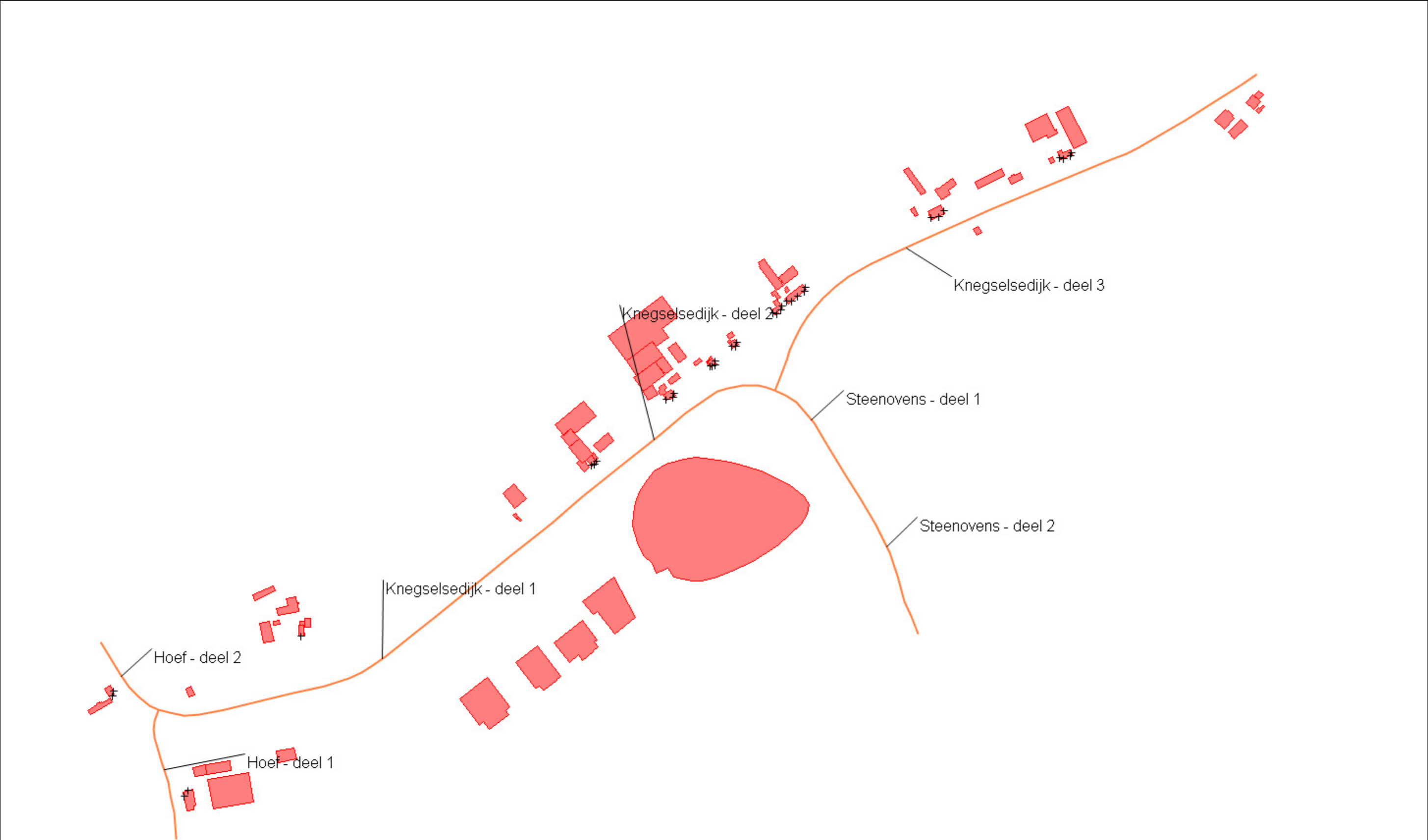




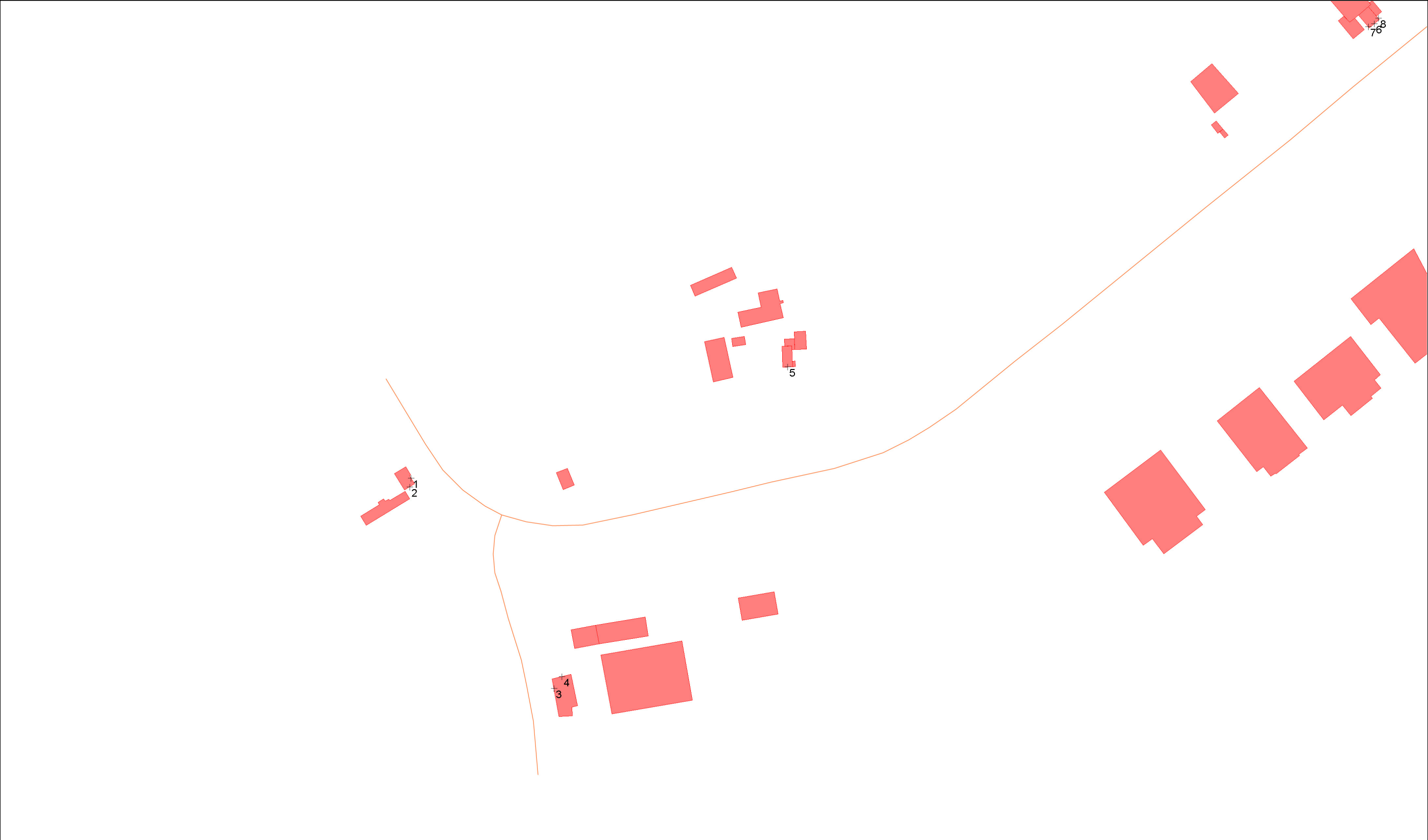
■ bebouwing  
— rijlijn  
+ waarneempunt gevel

project  
opdrachtgever  
Reconstructieonderzoek Knegelsedijk te Eersel  
Aeres Milieu  
omschrijving  
Figuur 2  
Nummering bebouwing





|  |                                                                                                                                                   |                                                                                                                                                                                                                                                                   |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <div> <div></div> <div>bebouwing</div> </div> <div> <div></div> <div>rijlijn</div> </div> <div> <div>+</div> <div>waarneempunt gevel</div> </div> | <div> <div>project</div> <div>opdrachtgever</div> </div> <div> <div>Reconstructieonderzoek Knegelsedijk te Eersel</div> <div>Aeres Milieu</div> <div>omschrijving</div> <div>Figuur 3</div> <div>Weergave wegen</div> </div> <div> <div></div> <div></div> </div> |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

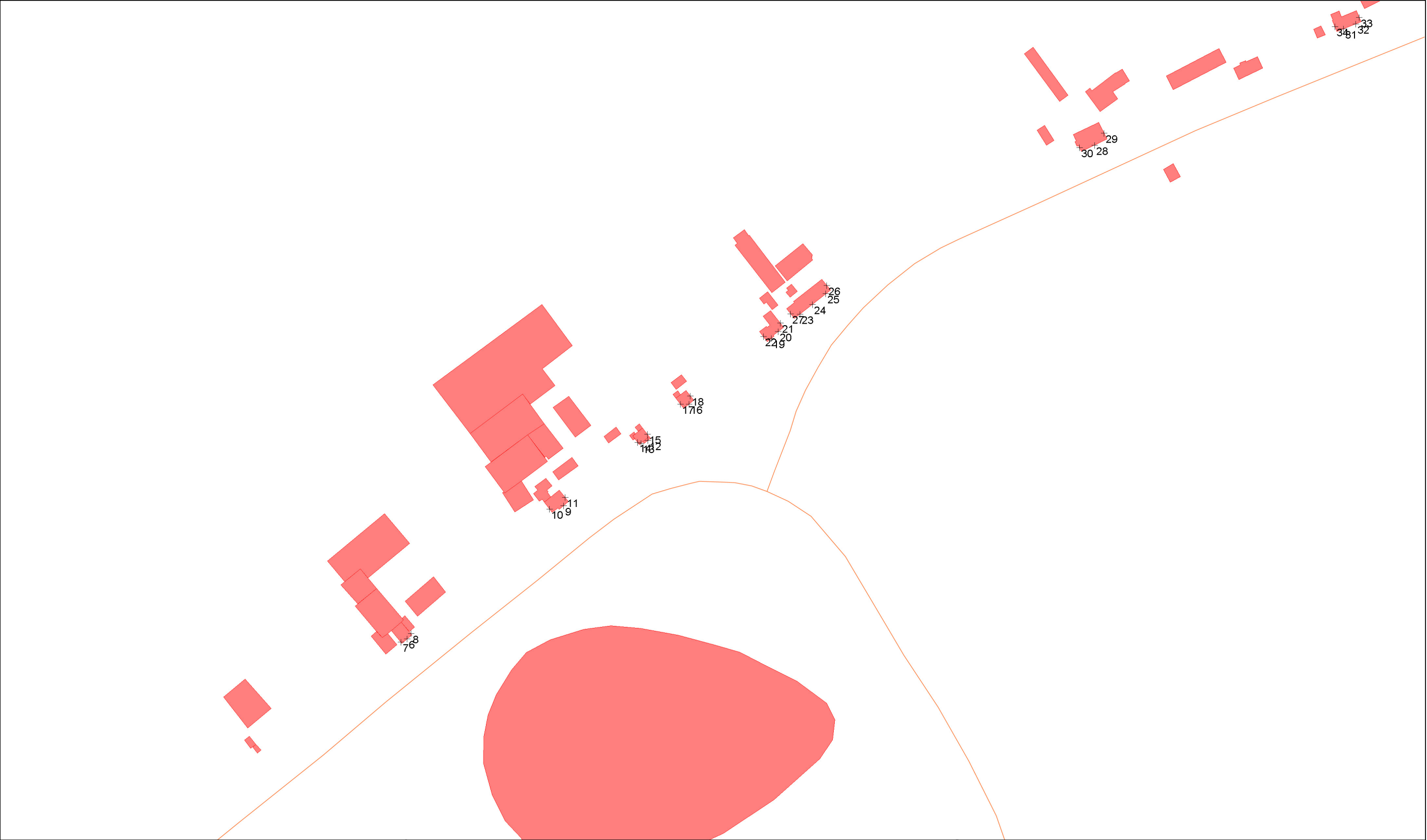


■ bebouwing  
— rijlijn  
+ waarneempunt gevel

project  
opdrachtgever  
Reconstructieonderzoek Knegelsedijk te Eersel  
Aeres Milieu  
omschrijving  
Figuur 4A  
Nummering waarneempunten







■ bebouwing  
— rijlijn  
+ waarneempunt gevel

project  
opdrachtgever  
Reconstructieonderzoek Knegelsedijk te Eersel  
Aeres Milieu  
omschrijving  
Figuur 4B  
Nummering waarneempunten





■ bebouwing  
— rijlijn  
+ waarneempunt gevel

project  
opdrachtgever  
Reconstructieonderzoek Knegelsedijk te Eersel  
Aeres Milieu  
omschrijving  
Figuur 4C  
Nummering waarneempunten



## **BIJLAGE IIA**

Berekeningsgegevens en –resultaten optredende geluidbelasting voor reconstructie

## Projectgegevens

projectnaam: Reconstructieonderzoek Knegelsedijk te Eersel  
opdrachtgever: Aeres Milieu  
adviseur: TE  
databaseversie: 903  
situatie: eerste situatie  
uitsnede: 2020

### omschrijving

### verkeerslawaa

rekenhart: 16.5.2 (build5)  
rekenhart16;rmg2012  
aut. berekening gemiddeld maaiveld: ☒  
alleen absorptiegebieden( geen hz-lijnen): ☒  
standaard bodemabsorptie: 0 %  
rekenresultaat binnengelezen (datum): 28-05-2020  
rekenresultaat binnengelezen (tijd): 15:05  
maximum aantal reflecties: 1 graden  
minimum zichthoek reflecties: 2 graden  
maximum sectorhoek: 5 graden  
vaste sectorhoek: 2  
methode aftrek110g: per wnp per weg RMG2012/2014

**Bebouwing**

| nr | z,gem | m,gem | lengte | adres | reflectie | kenmerk |
|----|-------|-------|--------|-------|-----------|---------|
| 1  | 5.5   | 0.0   | 69     |       | 80        |         |
| 2  | 3.0   | 0.0   | 20     |       | 80        |         |
| 3  | 8.0   | 0.0   | 87     |       | 80        |         |
| 4  | 7.0   | 0.0   | 47     |       | 80        |         |
| 5  | 7.0   | 0.0   | 31     |       | 80        |         |
| 6  | 4.0   | 0.0   | 79     |       | 80        |         |
| 7  | 5.5   | 0.0   | 28     |       | 80        |         |
| 8  | 7.0   | 0.0   | 47     |       | 80        |         |
| 9  | 7.0   | 0.0   | 60     |       | 80        |         |
| 10 | 5.0   | 0.0   | 55     |       | 80        |         |
| 11 | 10.5  | 0.0   | 151    |       | 80        |         |
| 12 | 8.0   | 0.0   | 165    |       | 80        |         |
| 13 | 7.0   | 0.0   | 135    |       | 80        |         |
| 14 | 7.0   | 0.0   | 148    |       | 80        |         |
| 15 | 8.0   | 0.0   | 166    |       | 80        |         |
| 16 | 9.0   | 0.0   | 624    |       | 80        |         |
| 17 | 5.0   | 0.0   | 64     |       | 80        |         |
| 18 | 7.0   | 0.0   | 29     |       | 80        |         |
| 19 | 6.0   | 0.0   | 71     |       | 80        |         |
| 20 | 3.0   | 0.0   | 45     |       | 80        |         |
| 21 | 3.0   | 0.0   | 27     |       | 80        |         |
| 22 | 6.0   | 0.0   | 51     |       | 80        |         |
| 23 | 6.5   | 0.0   | 135    |       | 80        |         |
| 24 | 6.0   | 0.0   | 66     |       | 80        |         |
| 25 | 3.5   | 0.0   | 16     |       | 80        |         |
| 26 | 3.0   | 0.0   | 11     |       | 80        |         |
| 27 | 5.0   | 0.0   | 28     |       | 80        |         |
| 28 | 5.0   | 0.0   | 27     |       | 80        |         |
| 29 | 4.0   | 0.0   | 23     |       | 80        |         |
| 30 | 4.0   | 0.0   | 9      |       | 80        |         |
| 31 | 7.0   | 0.0   | 37     |       | 80        |         |
| 32 | 3.5   | 0.0   | 46     |       | 80        |         |
| 33 | 5.0   | 0.0   | 46     |       | 80        |         |
| 34 | 5.0   | 0.0   | 103    |       | 80        |         |
| 35 | 7.0   | 0.0   | 114    |       | 80        |         |
| 36 | 4.0   | 0.0   | 49     |       | 80        |         |
| 37 | 7.5   | 0.0   | 240    |       | 80        |         |
| 38 | 5.5   | 0.0   | 51     |       | 80        |         |
| 39 | 3.5   | 0.0   | 30     |       | 80        |         |
| 40 | 4.5   | 0.0   | 26     |       | 80        |         |
| 41 | 7.5   | 0.0   | 23     |       | 80        |         |
| 42 | 3.0   | 0.0   | 13     |       | 80        |         |
| 43 | 3.0   | 0.0   | 11     |       | 80        |         |
| 44 | 3.0   | 0.0   | 14     |       | 80        |         |
| 45 | 7.5   | 0.0   | 26     |       | 80        |         |
| 46 | 4.0   | 0.0   | 11     |       | 80        |         |
| 47 | 3.5   | 0.0   | 21     |       | 80        |         |



| nr | z,gem | m,gem | lengte | adres | reflectie | kenmerk |
|----|-------|-------|--------|-------|-----------|---------|
| 48 | 5.0   | 0.0   | 55     |       | 80        |         |
| 49 | 8.0   | 0.0   | 56     |       | 80        |         |
| 50 | 4.0   | 0.0   | 30     |       | 80        |         |
| 51 | 6.5   | 0.0   | 49     |       | 80        |         |
| 52 | 3.0   | 0.0   | 21     |       | 80        |         |
| 53 | 4.5   | 0.0   | 73     |       | 80        |         |
| 54 | 4.0   | 0.0   | 26     |       | 80        |         |
| 55 | 8.0   | 0.0   | 47     |       | 80        |         |
| 56 | 6.0   | 0.0   | 24     |       | 80        |         |
| 57 | 6.0   | 0.0   | 87     |       | 80        |         |
| 58 | 5.0   | 0.0   | 54     |       | 80        |         |
| 59 | 3.5   | 0.0   | 61     |       | 80        |         |
| 60 | 8.5   | 0.0   | 46     |       | 80        |         |
| 61 | 3.0   | 0.0   | 18     |       | 80        |         |
| 62 | 8.5   | 0.0   | 51     |       | 80        |         |
| 63 | 5.0   | 0.0   | 92     |       | 80        |         |
| 64 | 5.0   | 0.0   | 98     |       | 80        |         |
| 65 | 6.0   | 0.0   | 60     |       | 80        |         |
| 66 | 5.0   | 0.0   | 62     |       | 80        |         |
| 67 | 3.0   | 0.0   | 29     |       | 80        |         |
| 68 | 8.0   | 0.0   | 42     |       | 80        |         |
| 69 | 6.0   | 0.0   | 25     |       | 80        |         |
| 70 | 8.0   | 0.0   | 53     |       | 80        |         |

## Waarneempunten met rekenresultaten

| (*) IL: inc. maatregel, VL:inc aftrek, RL: inc prognosetoeslag |     |                      |        |       |           |      |         |       |       |    |     |     |       |       |       |            | (^) VL: ex. optrektoeslag |            |        |          |          |     |       |       |       |
|----------------------------------------------------------------|-----|----------------------|--------|-------|-----------|------|---------|-------|-------|----|-----|-----|-------|-------|-------|------------|---------------------------|------------|--------|----------|----------|-----|-------|-------|-------|
| nr                                                             | z1  | m1 adres             | huisnr | type  | afw.toets | refl | kenmerk | rhart | groep | sh | wnh | dag | avond | nacht | Lden  | af Lden(*) | Letm                      | af Letm(*) | dag(^) | avond(^) | nacht(^) |     |       |       |       |
| 1                                                              | 0.0 | 0.0 Hoef 10          |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 60.78 | 57.52 | 52.20      | 61.61                     |            | 62     | 62.20    |          | 62  | 60.78 | 57.52 | 52.20 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 61.15 | 57.89 | 52.57      | 61.98                     |            | 62     | 62.57    |          | 63  | 61.15 | 57.89 | 52.57 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 49.40 | 46.10 | 40.84      | 50.23                     | 5          | 45     | 50.84    | 5        | 46  | 49.40 | 46.10 | 40.84 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 49.72 | 46.42 | 41.16      | 50.55                     | 5          | 46     | 51.16    | 5        | 46  | 49.72 | 46.42 | 41.16 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 60.45 | 57.20 | 51.87      | 61.28                     | 5          | 56     | 61.87    | 5        | 57  | 60.45 | 57.20 | 51.87 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 60.82 | 57.57 | 52.24      | 61.65                     | 5          | 57     | 62.24    | 5        | 57  | 60.82 | 57.57 | 52.24 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 29.09 | 25.49 | 20.46      | 29.83                     | 5          | 25     | 30.46    | 5        | 25  | 29.09 | 25.49 | 20.46 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 30.18 | 26.57 | 21.55      | 30.92                     | 5          | 26     | 31.55    | 5        | 27  | 30.18 | 26.57 | 21.55 |
| 2                                                              | 0.0 | 0.0 Hoef 10          |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 58.43 | 55.19 | 49.84      | 59.26                     |            | 59     | 59.84    |          | 60  | 58.43 | 55.19 | 49.84 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.82 | 54.59 | 49.23      | 58.65                     |            | 59     | 59.23    |          | 59  | 57.82 | 54.59 | 49.23 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 51.17 | 47.88 | 42.61      | 52.00                     | 5          | 47     | 52.61    | 5        | 48  | 51.17 | 47.88 | 42.61 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 49.53 | 46.23 | 40.96      | 50.36                     | 5          | 45     | 50.96    | 5        | 46  | 49.53 | 46.23 | 40.96 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 57.51 | 54.29 | 48.93      | 58.35                     | 5          | 53     | 58.93    | 5        | 54  | 57.51 | 54.29 | 48.93 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 57.11 | 53.90 | 48.52      | 57.95                     | 5          | 53     | 58.52    | 5        | 54  | 57.11 | 53.90 | 48.52 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 29.57 | 25.95 | 20.94      | 30.31                     | 5          | 25     | 30.94    | 5        | 26  | 29.57 | 25.95 | 20.94 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 29.46 | 25.85 | 20.83      | 30.20                     | 5          | 25     | 30.83    | 5        | 26  | 29.46 | 25.85 | 20.83 |
| 3                                                              | 0.0 | 0.0 Hoef 7           |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 60.59 | 57.98 | 51.82      | 61.49                     |            | 61     | 61.82    |          | 62  | 60.59 | 57.98 | 51.82 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 60.81 | 58.20 | 52.03      | 61.71                     |            | 62     | 62.03    |          | 62  | 60.81 | 58.20 | 52.03 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 40.94 | 37.64 | 32.38      | 41.77                     | 5          | 37     | 42.38    | 5        | 37  | 40.94 | 37.64 | 32.38 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 40.87 | 37.57 | 32.30      | 41.70                     | 5          | 37     | 42.30    | 5        | 37  | 40.87 | 37.57 | 32.30 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 60.55 | 57.94 | 51.77      | 61.45                     | 5          | 56     | 61.77    | 5        | 57  | 60.55 | 57.94 | 51.77 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 60.76 | 58.16 | 51.99      | 61.67                     | 5          | 57     | 61.99    | 5        | 57  | 60.76 | 58.16 | 51.99 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | --    | --    | --         | -99.00                    | 5          | -104   | -89.90   | 5        | -95 | --    | --    | --    |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | --    | --    | --         | -99.00                    | 5          | -104   | -89.90   | 5        | -95 | --    | --    | --    |
| 4                                                              | 0.0 | 0.0 Hoef 7           |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 56.81 | 54.09 | 48.08      | 57.70                     |            | 58     | 58.08    |          | 58  | 56.81 | 54.09 | 48.08 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.27 | 54.57 | 48.53      | 58.16                     |            | 58     | 58.53    |          | 59  | 57.27 | 54.57 | 48.53 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 46.69 | 43.39 | 38.13      | 47.52                     | 5          | 43     | 48.13    | 5        | 43  | 46.69 | 43.39 | 38.13 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 46.80 | 43.50 | 38.24      | 47.63                     | 5          | 43     | 48.24    | 5        | 43  | 46.80 | 43.50 | 38.24 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 56.37 | 53.71 | 47.61      | 57.27                     | 5          | 52     | 57.61    | 5        | 53  | 56.37 | 53.71 | 47.61 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 56.86 | 54.22 | 48.10      | 57.76                     | 5          | 53     | 58.10    | 5        | 53  | 56.86 | 54.22 | 48.10 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 15.20 | 11.44 | 6.55       | 15.91                     | 5          | 11     | 16.55    | 5        | 12  | 15.20 | 11.44 | 6.55  |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 18.06 | 14.33 | 9.42       | 18.78                     | 5          | 14     | 19.42    | 5        | 14  | 18.06 | 14.33 | 9.42  |
| 5                                                              | 0.0 | 0.0 Achterhoek 2     |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 53.51 | 50.24 | 44.94      | 54.34                     |            | 54     | 54.94    |          | 55  | 53.51 | 50.24 | 44.94 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 54.04 | 50.76 | 45.47      | 54.87                     |            | 55     | 55.47    |          | 55  | 54.04 | 50.76 | 45.47 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 53.09 | 49.79 | 44.53      | 53.92                     | 5          | 49     | 54.53    | 5        | 50  | 53.09 | 49.79 | 44.53 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 53.70 | 50.41 | 45.14      | 54.53                     | 5          | 50     | 55.14    | 5        | 50  | 53.70 | 50.41 | 45.14 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 43.04 | 40.03 | 34.39      | 43.90                     | 5          | 39     | 44.39    | 5        | 39  | 43.04 | 40.03 | 34.39 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 42.59 | 39.57 | 33.95      | 43.45                     | 5          | 38     | 43.95    | 5        | 39  | 42.59 | 39.57 | 33.95 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 27.27 | 23.66 | 18.65      | 28.02                     | 5          | 23     | 28.65    | 5        | 24  | 27.27 | 23.66 | 18.65 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 27.37 | 23.74 | 18.74      | 28.11                     | 5          | 23     | 28.74    | 5        | 24  | 27.37 | 23.74 | 18.74 |
| 6                                                              | 0.0 | 0.0 Knegselsedijk 17 |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 61.14 | 57.83 | 52.57      | 61.97                     |            | 62     | 62.57    |          | 63  | 61.14 | 57.83 | 52.57 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 61.49 | 58.17 | 52.91      | 62.31                     |            | 62     | 62.91    |          | 63  | 61.49 | 58.17 | 52.91 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 61.09 | 57.78 | 52.52      | 61.92                     | 5          | 57     | 62.52    | 5        | 58  | 61.09 | 57.78 | 52.52 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 61.44 | 58.13 | 52.87      | 62.27                     | 5          | 57     | 62.87    | 5        | 58  | 61.44 | 58.13 | 52.87 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 30.02 | 27.05 | 21.34      | 30.88                     | 5          | 26     | 31.34    | 5        | 26  | 30.02 | 27.05 | 21.34 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 29.82 | 26.85 | 21.15      | 30.68                     | 5          | 26     | 31.15    | 5        | 26  | 29.82 | 26.85 | 21.15 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 41.45 | 37.91 | 32.83      | 42.21                     | 5          | 37     | 42.83    | 5        | 38  | 41.45 | 37.91 | 32.83 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 40.97 | 37.43 | 32.35      | 41.73                     | 5          | 37     | 42.35    | 5        | 37  | 40.97 | 37.43 | 32.35 |
| 7                                                              | 0.0 | 0.0 Knegselsedijk 17 |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.76 | 54.45 | 49.19      | 58.59                     |            | 59     | 59.19    |          | 59  | 57.76 | 54.45 | 49.19 |

| (*) IL: inc. maatregel, VL:inc aftrek, RL: inc prognosetoeslag |     |                      |        |       |           |      |         |       |       |    |     |     |       |       |       |            |       |            | (^) VL: ex. optrektoeslag |          |          |    |       |       |       |
|----------------------------------------------------------------|-----|----------------------|--------|-------|-----------|------|---------|-------|-------|----|-----|-----|-------|-------|-------|------------|-------|------------|---------------------------|----------|----------|----|-------|-------|-------|
| nr                                                             | z1  | m1 adres             | huisnr | type  | afw.toets | refl | kenmerk | rhart | groep | sh | wnh | dag | avond | nacht | Lden  | af Lden(*) | Letm  | af Letm(*) | dag(^)                    | avond(^) | nacht(^) |    |       |       |       |
| 8                                                              | 0.0 | 0.0 Knegselsedijk 17 |        | gevel |           |      |         |       |       | VL | (0) | 1   | 4.5   | 58.45 | 55.14 | 49.88      | 59.28 |            | 59                        | 59.88    |          | 60 | 58.45 | 55.14 | 49.88 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 57.74 | 54.43 | 49.18      | 58.57 | 5          | 54                        | 59.18    | 5        | 54 | 57.74 | 54.43 | 49.18 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 58.43 | 55.12 | 49.87      | 59.26 | 5          | 54                        | 59.87    | 5        | 55 | 58.43 | 55.12 | 49.87 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 28.18 | 25.13 | 19.54      | 29.03 | 5          | 24                        | 29.54    | 5        | 25 | 28.18 | 25.13 | 19.54 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 32.82 | 29.85 | 24.15      | 33.68 | 5          | 29                        | 34.15    | 5        | 29 | 32.82 | 29.85 | 24.15 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 29.45 | 25.83 | 20.82      | 30.19 | 5          | 25                        | 30.82    | 5        | 26 | 29.45 | 25.83 | 20.82 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 30.87 | 27.25 | 22.24      | 31.61 | 5          | 27                        | 32.24    | 5        | 27 | 30.87 | 27.25 | 22.24 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 59.82 | 56.50 | 51.25      | 60.64 |            | 61                        | 61.25    |          | 61 | 59.82 | 56.50 | 51.25 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 58.78 | 55.46 | 50.21      | 59.60 |            | 60                        | 60.21    |          | 60 | 58.78 | 55.46 | 50.21 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 59.71 | 56.40 | 51.14      | 60.54 | 5          | 56                        | 61.14    | 5        | 56 | 59.71 | 56.40 | 51.14 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 58.67 | 55.36 | 50.10      | 59.50 | 5          | 54                        | 60.10    | 5        | 55 | 58.67 | 55.36 | 50.10 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 28.26 | 25.30 | 19.58      | 29.12 | 5          | 24                        | 29.58    | 5        | 25 | 28.26 | 25.30 | 19.58 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 28.35 | 25.48 | 19.65      | 29.22 | 5          | 24                        | 29.65    | 5        | 25 | 28.35 | 25.48 | 19.65 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 43.75 | 40.21 | 35.12      | 44.51 | 5          | 40                        | 45.12    | 5        | 40 | 43.75 | 40.21 | 35.12 |
| 9                                                              | 0.0 | 0.0 Knegselsedijk 13 |        | gevel |           |      |         |       |       | VL | (3) | 1   | 4.5   | 42.65 | 39.11 | 34.02      | 43.41 | 5          | 38                        | 44.02    | 5        | 39 | 42.65 | 39.11 | 34.02 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 60.56 | 57.23 | 51.99      | 61.38 |            | 61                        | 61.99    |          | 62 | 60.56 | 57.23 | 51.99 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 60.98 | 57.65 | 52.40      | 61.80 |            | 62                        | 62.40    |          | 62 | 60.98 | 57.65 | 52.40 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 60.29 | 56.98 | 51.72      | 61.12 | 5          | 56                        | 61.72    | 5        | 57 | 60.29 | 56.98 | 51.72 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 60.77 | 57.46 | 52.20      | 61.60 | 5          | 57                        | 62.20    | 5        | 57 | 60.77 | 57.46 | 52.20 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 27.41 | 24.35 | 18.77      | 28.26 | 5          | 23                        | 28.77    | 5        | 24 | 27.41 | 24.35 | 18.77 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 27.76 | 24.74 | 19.10      | 28.61 | 5          | 24                        | 29.10    | 5        | 24 | 27.76 | 24.74 | 19.10 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 48.31 | 44.76 | 39.68      | 49.06 | 5          | 44                        | 49.68    | 5        | 45 | 48.31 | 44.76 | 39.68 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 47.62 | 44.08 | 39.00      | 48.38 | 5          | 43                        | 49.00    | 5        | 44 | 47.62 | 44.08 | 39.00 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.12 | 53.80 | 48.55      | 57.94 |            | 58                        | 58.55    |          | 59 | 57.12 | 53.80 | 48.55 |
| 10                                                             | 0.0 | 0.0 Knegselsedijk 13 |        | gevel |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.65 | 54.33 | 49.08      | 58.47 |            | 58                        | 59.08    |          | 59 | 57.65 | 54.33 | 49.08 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 57.07 | 53.76 | 48.50      | 57.90 | 5          | 53                        | 58.50    | 5        | 53 | 57.07 | 53.76 | 48.50 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 57.61 | 54.29 | 49.03      | 58.43 | 5          | 53                        | 59.03    | 5        | 54 | 57.61 | 54.29 | 49.03 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 28.11 | 24.94 | 19.50      | 28.95 | 5          | 24                        | 29.50    | 5        | 25 | 28.11 | 24.94 | 19.50 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 30.91 | 27.82 | 22.28      | 31.76 | 5          | 27                        | 32.28    | 5        | 27 | 30.91 | 27.82 | 22.28 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 36.95 | 33.41 | 28.32      | 37.71 | 5          | 33                        | 38.32    | 5        | 33 | 36.95 | 33.41 | 28.32 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 36.71 | 33.17 | 28.09      | 37.47 | 5          | 32                        | 38.09    | 5        | 33 | 36.71 | 33.17 | 28.09 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.62 | 54.26 | 49.04      | 58.43 |            | 58                        | 59.04    |          | 59 | 57.62 | 54.26 | 49.04 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.55 | 54.21 | 48.97      | 58.37 |            | 58                        | 58.97    |          | 59 | 57.55 | 54.21 | 48.97 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 56.83 | 53.52 | 48.26      | 57.66 | 5          | 53                        | 58.26    | 5        | 53 | 56.83 | 53.52 | 48.26 |
| 11                                                             | 0.0 | 0.0 Knegselsedijk 13 |        | gevel |           |      |         |       |       | VL | (1) | 1   | 4.5   | 57.05 | 53.74 | 48.48      | 57.88 | 5          | 53                        | 58.48    | 5        | 53 | 57.05 | 53.74 | 48.48 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 26.42 | 23.40 | 17.76      | 27.27 | 5          | 22                        | 27.76    | 5        | 23 | 26.42 | 23.40 | 17.76 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 26.00 | 22.97 | 17.35      | 26.85 | 5          | 22                        | 27.35    | 5        | 22 | 26.00 | 22.97 | 17.35 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 49.78 | 46.23 | 41.16      | 50.54 | 5          | 46                        | 51.16    | 5        | 46 | 49.78 | 46.23 | 41.16 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 47.87 | 44.32 | 39.25      | 48.63 | 5          | 44                        | 49.25    | 5        | 44 | 47.87 | 44.32 | 39.25 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 61.02 | 57.68 | 52.44      | 61.84 |            | 62                        | 62.44    |          | 62 | 61.02 | 57.68 | 52.44 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 60.47 | 57.16 | 51.90      | 61.30 | 5          | 56                        | 61.90    | 5        | 57 | 60.47 | 57.16 | 51.90 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 22.73 | 19.52 | 14.12      | 23.56 | 5          | 19                        | 24.12    | 5        | 19 | 22.73 | 19.52 | 14.12 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 51.74 | 48.21 | 43.12      | 52.50 | 5          | 48                        | 53.12    | 5        | 48 | 51.74 | 48.21 | 43.12 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 60.60 | 57.26 | 52.02      | 61.42 |            | 61                        | 62.02    |          | 62 | 60.60 | 57.26 | 52.02 |
| 12                                                             | 0.0 | 0.0 Knegselsedijk 9  |        | gevel |           |      |         |       |       | VL | (0) | 1   | 4.5   | 61.14 | 57.80 | 52.56      | 61.96 |            | 62                        | 62.56    |          | 63 | 61.14 | 57.80 | 52.56 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 60.14 | 56.83 | 51.57      | 60.97 | 5          | 56                        | 61.57    | 5        | 57 | 60.14 | 56.83 | 51.57 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 60.58 | 57.26 | 52.01      | 61.40 | 5          | 56                        | 62.01    | 5        | 57 | 60.58 | 57.26 | 52.01 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 14.70 | 11.68 | 6.02       | 15.54 | 5          | 11                        | 16.02    | 5        | 11 | 14.70 | 11.68 | 6.02  |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 21.79 | 18.90 | 13.08      | 22.65 | 5          | 18                        | 23.08    | 5        | 18 | 21.79 | 18.90 | 13.08 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 50.58 | 47.04 | 41.96      | 51.34 | 5          | 46                        | 51.96    | 5        | 47 | 50.58 | 47.04 | 41.96 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 51.94 | 48.41 | 43.32      | 52.70 | 5          | 48                        | 53.32    | 5        | 48 | 51.94 | 48.41 | 43.32 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
| 13                                                             | 0.0 | 0.0 Knegselsedijk 9  |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
| 14                                                             | 0.0 | 0.0 Knegselsedijk 9  |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.90 | 54.58 | 49.33      | 58.72 |            | 59                        | 59.33    |          | 59 | 57.90 | 54.58 | 49.33 |

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| (*) IL: inc. maatregel, VL:inc aftrek, RL: inc prognosetoeslag |     |                     |             |           |              |             |    |     |       |       |       |       |            |      |            |        |          |          | (^) VL: ex. optrektoeslag |       |  |  |
|----------------------------------------------------------------|-----|---------------------|-------------|-----------|--------------|-------------|----|-----|-------|-------|-------|-------|------------|------|------------|--------|----------|----------|---------------------------|-------|--|--|
| nr                                                             | z1  | m1 adres            | huisnr type | afw.toets | refl kenmerk | rhart groep | sh | wnh | dag   | avond | nacht | Lden  | af Lden(*) | Letm | af Letm(*) | dag(^) | avond(^) | nacht(^) |                           |       |  |  |
| 23                                                             | 0.0 | 0.0 Knegselsedijk 3 | gevel       |           |              | VL (1)      | 1  | 1.5 | 54.66 | 51.36 | 46.09 | 55.49 | 5          | 50   | 56.09      | 5      | 51       | 54.66    | 51.36                     | 46.09 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 1.5 | 23.55 | 20.36 | 14.95 | 24.39 | 5          | 19   | 24.95      | 5      | 20       | 23.55    | 20.36                     | 14.95 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 1.5 | 50.13 | 46.59 | 41.51 | 50.89 | 5          | 46   | 51.51      | 5      | 47       | 50.13    | 46.59                     | 41.51 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 1.5 | 58.88 | 55.55 | 50.30 | 59.70 |            | 60   | 60.30      |        | 60       | 58.88    | 55.55                     | 50.30 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 4.5 | 59.30 | 55.98 | 50.73 | 60.12 |            | 60   | 60.73      |        | 61       | 59.30    | 55.98                     | 50.73 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 1.5 | 58.43 | 55.12 | 49.86 | 59.26 | 5          | 54   | 59.86      | 5      | 55       | 58.43    | 55.12                     | 49.86 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 4.5 | 58.93 | 55.63 | 50.36 | 59.76 | 5          | 55   | 60.36      | 5      | 55       | 58.93    | 55.63                     | 50.36 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 1.5 | 19.27 | 16.31 | 10.59 | 20.13 | 5          | 15   | 20.59      | 5      | 16       | 19.27    | 16.31                     | 10.59 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 4.5 | 21.76 | 18.95 | 13.03 | 22.63 | 5          | 18   | 23.03      | 5      | 18       | 21.76    | 18.95                     | 13.03 |  |  |
| 24                                                             | 0.0 | 0.0 Knegselsedijk 3 | gevel       |           |              | VL (3)      | 1  | 1.5 | 48.83 | 45.29 | 40.21 | 49.59 | 5          | 45   | 50.21      | 5      | 45       | 48.83    | 45.29                     | 40.21 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 4.5 | 48.46 | 44.92 | 39.84 | 49.22 | 5          | 44   | 49.84      | 5      | 45       | 48.46    | 44.92                     | 39.84 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 1.5 | 58.63 | 55.30 | 50.05 | 59.45 |            | 59   | 60.05      |        | 60       | 58.63    | 55.30                     | 50.05 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 4.5 | 59.10 | 55.78 | 50.53 | 59.92 |            | 60   | 60.53      |        | 61       | 59.10    | 55.78                     | 50.53 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 1.5 | 58.18 | 54.88 | 49.61 | 59.01 | 5          | 54   | 59.61      | 5      | 55       | 58.18    | 54.88                     | 49.61 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 4.5 | 58.75 | 55.45 | 50.18 | 59.58 | 5          | 55   | 60.18      | 5      | 55       | 58.75    | 55.45                     | 50.18 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 1.5 | 23.12 | 19.98 | 14.49 | 23.96 | 5          | 19   | 24.49      | 5      | 19       | 23.12    | 19.98                     | 14.49 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 4.5 | 24.17 | 21.16 | 15.50 | 25.02 | 5          | 20   | 25.50      | 5      | 21       | 24.17    | 21.16                     | 15.50 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 1.5 | 48.51 | 44.96 | 39.89 | 49.27 | 5          | 44   | 49.89      | 5      | 45       | 48.51    | 44.96                     | 39.89 |  |  |
| 25                                                             | 0.0 | 0.0 Knegselsedijk 3 | gevel       |           |              | VL (3)      | 1  | 4.5 | 48.02 | 44.47 | 39.39 | 48.77 | 5          | 44   | 49.39      | 5      | 44       | 48.02    | 44.47                     | 39.39 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 1.5 | 58.60 | 55.28 | 50.02 | 59.42 |            | 59   | 60.02      |        | 60       | 58.60    | 55.28                     | 50.02 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 4.5 | 59.07 | 55.76 | 50.50 | 59.90 |            | 60   | 60.50      |        | 60       | 59.07    | 55.76                     | 50.50 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 1.5 | 58.20 | 54.90 | 49.63 | 59.03 | 5          | 54   | 59.63      | 5      | 55       | 58.20    | 54.90                     | 49.63 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 4.5 | 58.76 | 55.46 | 50.19 | 59.59 | 5          | 55   | 60.19      | 5      | 55       | 58.76    | 55.46                     | 50.19 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 1.5 | 23.24 | 20.13 | 14.61 | 24.08 | 5          | 19   | 24.61      | 5      | 20       | 23.24    | 20.13                     | 14.61 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 4.5 | 24.25 | 21.26 | 15.58 | 25.10 | 5          | 20   | 25.58      | 5      | 21       | 24.25    | 21.26                     | 15.58 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 1.5 | 48.02 | 44.46 | 39.39 | 48.77 | 5          | 44   | 49.39      | 5      | 44       | 48.02    | 44.46                     | 39.39 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 4.5 | 47.44 | 43.88 | 38.81 | 48.19 | 5          | 43   | 48.81      | 5      | 44       | 47.44    | 43.88                     | 38.81 |  |  |
| 26                                                             | 0.0 | 0.0 Knegselsedijk 3 | gevel       |           |              | VL (0)      | 1  | 1.5 | 54.27 | 50.97 | 45.70 | 55.10 |            | 55   | 55.70      |        | 56       | 54.27    | 50.97                     | 45.70 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 4.5 | 55.13 | 51.83 | 46.56 | 55.96 |            | 56   | 56.56      |        | 57       | 55.13    | 51.83                     | 46.56 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 1.5 | 54.27 | 50.97 | 45.70 | 55.10 | 5          | 50   | 55.70      | 5      | 51       | 54.27    | 50.97                     | 45.70 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 4.5 | 55.13 | 51.83 | 46.56 | 55.96 | 5          | 51   | 56.56      | 5      | 52       | 55.13    | 51.83                     | 46.56 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 1.5 | 22.16 | 18.81 | 13.60 | 22.98 | 5          | 18   | 23.60      | 5      | 19       | 22.16    | 18.81                     | 13.60 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 4.5 | 22.35 | 19.00 | 13.79 | 23.17 | 5          | 18   | 23.79      | 5      | 19       | 22.35    | 19.00                     | 13.79 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 1.5 | 23.87 | 20.32 | 15.24 | 24.62 | 5          | 20   | 25.24      | 5      | 20       | 23.87    | 20.32                     | 15.24 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 4.5 | 25.63 | 22.11 | 17.00 | 26.39 | 5          | 21   | 27.00      | 5      | 22       | 25.63    | 22.11                     | 17.00 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 1.5 | 55.12 | 51.76 | 46.54 | 55.93 |            | 56   | 56.54      |        | 57       | 55.12    | 51.76                     | 46.54 |  |  |
| 27                                                             | 0.0 | 0.0 Knegselsedijk 3 | gevel       |           |              | VL (0)      | 1  | 4.5 | 55.87 | 52.53 | 47.29 | 56.69 |            | 57   | 57.29      |        | 57       | 55.87    | 52.53                     | 47.29 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 1.5 | 53.97 | 50.67 | 45.40 | 54.80 | 5          | 50   | 55.40      | 5      | 50       | 53.97    | 50.67                     | 45.40 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 4.5 | 55.08 | 51.78 | 46.51 | 55.91 | 5          | 51   | 56.51      | 5      | 52       | 55.08    | 51.78                     | 46.51 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 1.5 | 12.95 | 9.91  | 4.25  | 13.78 | 5          | 9    | 14.25      | 5      | 9        | 12.95    | 9.91                      | 4.25  |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 4.5 | 21.49 | 18.52 | 12.81 | 22.35 | 5          | 17   | 22.81      | 5      | 18       | 21.49    | 18.52                     | 12.81 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 1.5 | 48.78 | 45.22 | 40.15 | 49.53 | 5          | 45   | 50.15      | 5      | 45       | 48.78    | 45.22                     | 40.15 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 4.5 | 48.09 | 44.54 | 39.46 | 48.84 | 5          | 44   | 49.46      | 5      | 44       | 48.09    | 44.54                     | 39.46 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 1.5 | 59.00 | 55.69 | 50.42 | 59.82 |            | 60   | 60.42      |        | 60       | 59.00    | 55.69                     | 50.42 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 4.5 | 59.42 | 56.12 | 50.85 | 60.25 |            | 60   | 60.85      |        | 61       | 59.42    | 56.12                     | 50.85 |  |  |
| 28                                                             | 0.0 | 0.0 Duizelseweg 4   | gevel       |           |              | VL (1)      | 1  | 1.5 | 58.88 | 55.58 | 50.31 | 59.71 | 5          | 55   | 60.31      | 5      | 55       | 58.88    | 55.58                     | 50.31 |  |  |
|                                                                |     |                     |             |           |              | VL (1)      | 1  | 4.5 | 59.33 | 56.03 | 50.76 | 60.16 | 5          | 55   | 60.76      | 5      | 56       | 59.33    | 56.03                     | 50.76 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 1.5 | 23.44 | 20.44 | 14.77 | 24.29 | 5          | 19   | 24.77      | 5      | 20       | 23.44    | 20.44                     | 14.77 |  |  |
|                                                                |     |                     |             |           |              | VL (2)      | 1  | 4.5 | 24.96 | 21.86 | 16.32 | 25.80 | 5          | 21   | 26.32      | 5      | 21       | 24.96    | 21.86                     | 16.32 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 1.5 | 43.03 | 39.44 | 34.40 | 43.78 | 5          | 39   | 44.40      | 5      | 39       | 43.03    | 39.44                     | 34.40 |  |  |
|                                                                |     |                     |             |           |              | VL (3)      | 1  | 4.5 | 42.39 | 38.81 | 33.76 | 43.14 | 5          | 38   | 43.76      | 5      | 39       | 42.39    | 38.81                     | 33.76 |  |  |
|                                                                |     |                     |             |           |              | VL (0)      | 1  | 1.5 | 54.95 | 51.65 | 46.38 | 55.78 |            | 56   | 56.38      |        | 56       | 54.95    | 51.65                     | 46.38 |  |  |
|                                                                |     |                     |             |           |              |             |    |     |       |       |       |       |            |      |            |        |          |          |                           |       |  |  |
|                                                                |     |                     |             |           |              |             |    |     |       |       |       |       |            |      |            |        |          |          |                           |       |  |  |
| 29                                                             | 0.0 | 0.0 Duizelseweg 4   | gevel       |           |              | VL (0)      | 1  | 1.5 | 54.95 | 51.65 | 46.38 | 55.78 |            | 56   | 56.38      |        | 56       | 54.95    | 51.65                     | 46.38 |  |  |

| (*) IL: inc. maatregel, VL:inc aftrek, RL: inc prognosetoeslag |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          | (^) VL: ex. optrektoeslag |       |  |  |  |  |
|----------------------------------------------------------------|-----|-------------------|-------------|-----------|--------------|-------------------|-------|-------|--------|--------|-------|-------|------------|-------|------------|--------|----------|----------|---------------------------|-------|--|--|--|--|
| nr                                                             | z1  | m1 adres          | huisnr type | afw.toets | refl kenmerk | rhart groep       | sh    | wnh   | dag    | avond  | nacht | Lden  | af Lden(*) | Letm  | af Letm(*) | dag(^) | avond(^) | nacht(^) |                           |       |  |  |  |  |
| 30                                                             | 0.0 | 0.0 Duizelseweg 4 | gevel       |           |              | VL (0)            | 1     | 4.5   | 55.73  | 52.43  | 47.16 | 56.56 | 57         | 57.16 | 57         | 55.73  | 52.43    | 47.16    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 1.5               | 54.95 | 51.65 | 46.38  | 55.78  | 5     | 51    | 56.38      | 5     | 51         | 54.95  | 51.65    | 46.38    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 4.5               | 55.73 | 52.43 | 47.16  | 56.56  | 5     | 52    | 57.16      | 5     | 52         | 55.73  | 52.43    | 47.16    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 1.5               | 15.85 | 12.50 | 7.29   | 16.67  | 5     | 12    | 17.29      | 5     | 12         | 15.85  | 12.50    | 7.29     |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 4.5               | 16.10 | 12.74 | 7.54   | 16.92  | 5     | 12    | 17.54      | 5     | 13         | 16.10  | 12.74    | 7.54     |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (3)    | 1            | 1.5               | --    | --    | --     | -99.00 | 5     | -104  | -89.90     | 5     | -95        | --     | --       | --       |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (3)    | 1            | 4.5               | --    | --    | --     | -99.00 | 5     | -104  | -89.90     | 5     | -95        | --     | --       | --       |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (0)    | 1            | 1.5               | 56.99 | 53.67 | 48.41  | 57.81  | 58    | 58.41 | 58         | 56.99 | 53.67      | 48.41  |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (0)    | 1            | 4.5               | 57.51 | 54.20 | 48.94  | 58.34  | 58    | 58.94 | 59         | 57.51 | 54.20      | 48.94  |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 1.5               | 56.75 | 53.45 | 48.18  | 57.58  | 5     | 53    | 58.18      | 5     | 53         | 56.75  | 53.45    | 48.18    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 4.5               | 57.32 | 54.02 | 48.75  | 58.15  | 5     | 53    | 58.75      | 5     | 54         | 57.32  | 54.02    | 48.75    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 1.5               | 24.50 | 21.58 | 15.81  | 25.36  | 5     | 20    | 25.81      | 5     | 21         | 24.50  | 21.58    | 15.81    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 4.5               | 26.08 | 23.09 | 17.41  | 26.93  | 5     | 22    | 27.41      | 5     | 22         | 26.08  | 23.09    | 17.41    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (3)    | 1            | 1.5               | 44.14 | 40.55 | 35.51  | 44.89  | 5     | 40    | 45.51      | 5     | 41         | 44.14  | 40.55    | 35.51    |                           |       |  |  |  |  |
| 31                                                             | 0.0 | 0.0 Duizelseweg 2 | gevel       |           |              | VL (3)            | 1     | 4.5   | 43.74  | 40.15  | 35.11 | 44.49 | 5          | 39    | 45.11      | 5      | 40       | 43.74    | 40.15                     | 35.11 |  |  |  |  |
|                                                                |     |                   |             | VL (0)    | 1            | 1.5               | 57.33 | 54.02 | 48.75  | 58.15  | 58    | 58.75 | 59         | 57.33 | 54.02      | 48.75  |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (0)    | 1            | 4.5               | 58.12 | 54.81 | 49.55  | 58.95  | 59    | 59.55 | 60         | 58.12 | 54.81      | 49.55  |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 1.5               | 57.26 | 53.95 | 48.68  | 58.08  | 5     | 53    | 58.68      | 5     | 54         | 57.26  | 53.95    | 48.68    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 4.5               | 58.06 | 54.76 | 49.49  | 58.89  | 5     | 54    | 59.49      | 5     | 54         | 58.06  | 54.76    | 49.49    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 1.5               | 23.46 | 20.38 | 14.81  | 24.30  | 5     | 19    | 24.81      | 5     | 20         | 23.46  | 20.38    | 14.81    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 4.5               | 23.38 | 20.30 | 14.73  | 24.22  | 5     | 19    | 24.73      | 5     | 20         | 23.38  | 20.30    | 14.73    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (3)    | 1            | 1.5               | 39.29 | 35.69 | 30.66  | 40.03  | 5     | 35    | 40.66      | 5     | 36         | 39.29  | 35.69    | 30.66    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (3)    | 1            | 4.5               | 39.04 | 35.44 | 30.41  | 39.78  | 5     | 35    | 40.41      | 5     | 35         | 39.04  | 35.44    | 30.41    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (0)    | 1            | 1.5               | 57.29 | 53.98 | 48.71  | 58.11  | 58    | 58.71 | 59         | 57.29 | 53.98      | 48.71  |          |          |                           |       |  |  |  |  |
| 32                                                             | 0.0 | 0.0 Duizelseweg 2 | gevel       |           |              | VL (0)            | 1     | 4.5   | 58.09  | 54.79  | 49.52 | 58.92 | 59         | 59.52 | 60         | 58.09  | 54.79    | 49.52    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 1.5               | 57.22 | 53.92 | 48.65  | 58.05  | 5     | 53    | 58.65      | 5     | 54         | 57.22  | 53.92    | 48.65    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 4.5               | 58.04 | 54.74 | 49.47  | 58.87  | 5     | 54    | 59.47      | 5     | 54         | 58.04  | 54.74    | 49.47    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 1.5               | 23.39 | 20.31 | 14.74  | 24.23  | 5     | 19    | 24.74      | 5     | 20         | 23.39  | 20.31    | 14.74    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 4.5               | 23.33 | 20.25 | 14.68  | 24.17  | 5     | 19    | 24.68      | 5     | 20         | 23.33  | 20.25    | 14.68    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (3)    | 1            | 1.5               | 39.19 | 35.59 | 30.56  | 39.93  | 5     | 35    | 40.56      | 5     | 36         | 39.19  | 35.59    | 30.56    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (3)    | 1            | 4.5               | 38.93 | 35.34 | 30.31  | 39.68  | 5     | 35    | 40.31      | 5     | 35         | 38.93  | 35.34    | 30.31    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (0)    | 1            | 1.5               | 53.84 | 50.54 | 45.27  | 54.67  | 55    | 55.27 | 55         | 53.84 | 50.54      | 45.27  |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (0)    | 1            | 4.5               | 54.71 | 51.41 | 46.14  | 55.54  | 56    | 56.14 | 56         | 54.71 | 51.41      | 46.14  |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 1.5               | 53.84 | 50.54 | 45.27  | 54.67  | 5     | 50    | 55.27      | 5     | 50         | 53.84  | 50.54    | 45.27    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 4.5               | 54.71 | 51.41 | 46.14  | 55.54  | 5     | 51    | 56.14      | 5     | 51         | 54.71  | 51.41    | 46.14    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 1.5               | --    | --    | --     | -99.00 | 5     | -104  | -89.90     | 5     | -95        | --     | --       | --       |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 4.5               | --    | --    | --     | -99.00 | 5     | -104  | -89.90     | 5     | -95        | --     | --       | --       |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (3)    | 1            | 1.5               | --    | --    | --     | -99.00 | 5     | -104  | -89.90     | 5     | -95        | --     | --       | --       |                           |       |  |  |  |  |
| VL (3)                                                         | 1   | 4.5               | --          | --        | --           | -99.00            | 5     | -104  | -89.90 | 5      | -95   | --    | --         | --    |            |        |          |          |                           |       |  |  |  |  |
| 33                                                             | 0.0 | 0.0 Duizelseweg 2 | gevel       |           |              | VL (0)            | 1     | 1.5   | 53.17  | 49.86  | 44.60 | 54.00 | 54         | 54.60 | 55         | 53.17  | 49.86    | 44.60    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (0)    | 1            | 4.5               | 54.77 | 51.47 | 46.20  | 55.60  | 56    | 56.20 | 56         | 54.77 | 51.47      | 46.20  |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 1.5               | 53.01 | 49.71 | 44.44  | 53.84  | 5     | 49    | 54.44      | 5     | 49         | 53.01  | 49.71    | 44.44    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (1)    | 1            | 4.5               | 54.65 | 51.35 | 46.08  | 55.48  | 5     | 50    | 56.08      | 5     | 51         | 54.65  | 51.35    | 46.08    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 1.5               | 13.86 | 10.76 | 5.19   | 14.69  | 5     | 10    | 15.19      | 5     | 10         | 13.86  | 10.76    | 5.19     |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (2)    | 1            | 4.5               | 22.41 | 19.36 | 13.76  | 23.26  | 5     | 18    | 23.76      | 5     | 19         | 22.41  | 19.36    | 13.76    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (3)    | 1            | 1.5               | 38.62 | 35.01 | 29.99  | 39.36  | 5     | 34    | 39.99      | 5     | 35         | 38.62  | 35.01    | 29.99    |                           |       |  |  |  |  |
|                                                                |     |                   |             | VL (3)    | 1            | 4.5               | 39.21 | 35.62 | 30.58  | 39.96  | 5     | 35    | 40.58      | 5     | 36         | 39.21  | 35.62    | 30.58    |                           |       |  |  |  |  |
|                                                                |     |                   |             | 34        | 0.0          | 0.0 Duizelseweg 2 | gevel |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |
|                                                                |     |                   |             |           |              |                   |       |       |        |        |       |       |            |       |            |        |          |          |                           |       |  |  |  |  |



## Rijlijnen

| nr | z.gem | lengte | wegdek             | hellingcor. groep | omschrijving        | kenmerk | art    | 110g | etm.intens. | %periode                            | Intensiteiten |       |        |       | snelheden |       |        |       |       |
|----|-------|--------|--------------------|-------------------|---------------------|---------|--------|------|-------------|-------------------------------------|---------------|-------|--------|-------|-----------|-------|--------|-------|-------|
|    |       |        |                    |                   |                     |         |        |      |             |                                     | %             | licht | middel | zwaar | motor     | licht | middel | zwaar | motor |
| 8  | 0.0   | 141    | 01 glad asfalt/DAB | (2)               | Hoef - deel 1       |         | vlicht |      | 3506.0      | <input checked="" type="checkbox"/> | dag           | 6.51  | 94.92  | 3.92  | 1.17      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | avond         | 3.72  | 96.19  | 3.16  | .65       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | nacht         | .87   | 94.66  | 4.70  | .64       | 60    | 60     | 60    |       |
| 9  | 0.0   | 146    | 01 glad asfalt/DAB | (2)               | Hoef - deel 2       |         | vlicht |      | 4279.0      | <input checked="" type="checkbox"/> | dag           | 6.66  | 93.86  | 5.59  | .55       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | avond         | 3.19  | 95.74  | 3.45  | .81       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | nacht         | .92   | 94.12  | 4.88  | 1.00      | 60    | 60     | 60    |       |
| 10 | 0.0   | 673    | 01 glad asfalt/DAB | (1)               | Knegselsedijk - dee |         | vlicht |      | 4068.0      | <input checked="" type="checkbox"/> | dag           | 6.66  | 94.10  | 5.37  | .53       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | avond         | 3.19  | 95.90  | 3.32  | .78       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | nacht         | .92   | 94.35  | 4.69  | .96       | 60    | 60     | 60    |       |
| 11 | 0.0   | 295    | 01 glad asfalt/DAB | (1)               | Knegselsedijk - dee |         | vlicht |      | 4132.0      | <input checked="" type="checkbox"/> | dag           | 6.66  | 93.65  | 5.78  | .57       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | avond         | 3.18  | 95.58  | 3.58  | .84       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | nacht         | .92   | 93.92  | 5.05  | 1.03      | 60    | 60     | 60    |       |
| 12 | 0.0   | 126    | 75 sma-nl8 CROW316 | (3)               | Steenovens - deel 1 |         | vlicht |      | 4294.0      | <input checked="" type="checkbox"/> | dag           | 6.67  | 91.50  | 6.63  | 1.87      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | avond         | 3.16  | 94.05  | 4.58  | 1.37      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | nacht         | .92   | 91.85  | 6.19  | 1.96      | 60    | 60     | 60    |       |
| 13 | 0.0   | 405    | 75 sma-nl8 CROW316 | (3)               | Steenovens - deel 2 |         | vlicht |      | 4700.0      | <input checked="" type="checkbox"/> | dag           | 6.67  | 88.92  | 8.64  | 2.44      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | avond         | 3.14  | 92.18  | 6.02  | 1.80      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | nacht         | .92   | 89.36  | 8.09  | 2.55      | 60    | 60     | 60    |       |
| 14 | 0.0   | 798    | 01 glad asfalt/DAB | (1)               | Knegselsedijk - dee |         | vlicht |      | 2805.0      | <input checked="" type="checkbox"/> | dag           | 6.66  | 94.09  | 5.38  | .53       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | avond         | 3.19  | 95.90  | 3.32  | .78       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |        |      |             |                                     | nacht         | .92   | 94.34  | 4.70  | .98       | 60    | 60     | 60    |       |

## **BIJLAGE IIB**

Berekeningsgegevens en –resultaten optredende geluidbelasting na reconstructie

**Projectgegevens**

projectnaam: Reconstructieonderzoek Knegelsedijk te Eersel  
opdrachtgever: Aeres Milieu  
adviseur: TE  
databaseversie: 903  
situatie: eerste situatie  
uitsnede: 2021

omschrijvingverkeerslawaa

rekenhart: 16.5.2 (build5)  
rekenhart16;rmg2012  
aut. berekening gemiddeld maaiveld: ☒  
alleen absorptiegebieden( geen hz-lijnen): ☒  
standaard bodemabsorptie: 0 %  
rekenresultaat binnengelezen (datum): 28-05-2020  
rekenresultaat binnengelezen (tijd): 15:07  
maximum aantal reflecties: 1 graden  
minimum zichthoek reflecties: 2 graden  
maximum sectorhoek: 5 graden  
vaste sectorhoek: 2  
methode aftrek110g: per wnp per weg RMG2012/2014

**Bebouwing**

| nr | z,gem | m,gem | lengte | adres | reflectie | kenmerk |
|----|-------|-------|--------|-------|-----------|---------|
| 1  | 5.5   | 0.0   | 69     |       | 80        |         |
| 2  | 3.0   | 0.0   | 20     |       | 80        |         |
| 3  | 8.0   | 0.0   | 87     |       | 80        |         |
| 4  | 7.0   | 0.0   | 47     |       | 80        |         |
| 5  | 7.0   | 0.0   | 31     |       | 80        |         |
| 6  | 4.0   | 0.0   | 79     |       | 80        |         |
| 7  | 5.5   | 0.0   | 28     |       | 80        |         |
| 8  | 7.0   | 0.0   | 47     |       | 80        |         |
| 9  | 7.0   | 0.0   | 60     |       | 80        |         |
| 10 | 5.0   | 0.0   | 55     |       | 80        |         |
| 11 | 10.5  | 0.0   | 151    |       | 80        |         |
| 12 | 8.0   | 0.0   | 165    |       | 80        |         |
| 13 | 7.0   | 0.0   | 135    |       | 80        |         |
| 14 | 7.0   | 0.0   | 148    |       | 80        |         |
| 15 | 8.0   | 0.0   | 166    |       | 80        |         |
| 16 | 9.0   | 0.0   | 624    |       | 80        |         |
| 17 | 5.0   | 0.0   | 64     |       | 80        |         |
| 18 | 7.0   | 0.0   | 29     |       | 80        |         |
| 19 | 6.0   | 0.0   | 71     |       | 80        |         |
| 20 | 3.0   | 0.0   | 45     |       | 80        |         |
| 21 | 3.0   | 0.0   | 27     |       | 80        |         |
| 22 | 6.0   | 0.0   | 51     |       | 80        |         |
| 23 | 6.5   | 0.0   | 135    |       | 80        |         |
| 24 | 6.0   | 0.0   | 66     |       | 80        |         |
| 25 | 3.5   | 0.0   | 16     |       | 80        |         |
| 26 | 3.0   | 0.0   | 11     |       | 80        |         |
| 27 | 5.0   | 0.0   | 28     |       | 80        |         |
| 28 | 5.0   | 0.0   | 27     |       | 80        |         |
| 29 | 4.0   | 0.0   | 23     |       | 80        |         |
| 30 | 4.0   | 0.0   | 9      |       | 80        |         |
| 31 | 7.0   | 0.0   | 37     |       | 80        |         |
| 32 | 3.5   | 0.0   | 46     |       | 80        |         |
| 33 | 5.0   | 0.0   | 46     |       | 80        |         |
| 34 | 5.0   | 0.0   | 103    |       | 80        |         |
| 35 | 7.0   | 0.0   | 114    |       | 80        |         |
| 36 | 4.0   | 0.0   | 49     |       | 80        |         |
| 37 | 7.5   | 0.0   | 240    |       | 80        |         |
| 38 | 5.5   | 0.0   | 51     |       | 80        |         |
| 39 | 3.5   | 0.0   | 30     |       | 80        |         |
| 40 | 4.5   | 0.0   | 26     |       | 80        |         |
| 41 | 7.5   | 0.0   | 23     |       | 80        |         |
| 42 | 3.0   | 0.0   | 13     |       | 80        |         |
| 43 | 3.0   | 0.0   | 11     |       | 80        |         |
| 44 | 3.0   | 0.0   | 14     |       | 80        |         |
| 45 | 7.5   | 0.0   | 26     |       | 80        |         |
| 46 | 4.0   | 0.0   | 11     |       | 80        |         |
| 47 | 3.5   | 0.0   | 21     |       | 80        |         |

| nr | z,gem | m,gem | lengte | adres | reflectie | kenmerk |
|----|-------|-------|--------|-------|-----------|---------|
| 48 | 5.0   | 0.0   | 55     |       | 80        |         |
| 49 | 8.0   | 0.0   | 56     |       | 80        |         |
| 50 | 4.0   | 0.0   | 30     |       | 80        |         |
| 51 | 6.5   | 0.0   | 49     |       | 80        |         |
| 52 | 3.0   | 0.0   | 21     |       | 80        |         |
| 53 | 4.5   | 0.0   | 73     |       | 80        |         |
| 54 | 4.0   | 0.0   | 26     |       | 80        |         |
| 55 | 8.0   | 0.0   | 47     |       | 80        |         |
| 56 | 6.0   | 0.0   | 24     |       | 80        |         |
| 57 | 6.0   | 0.0   | 87     |       | 80        |         |
| 58 | 5.0   | 0.0   | 54     |       | 80        |         |
| 59 | 3.5   | 0.0   | 61     |       | 80        |         |
| 60 | 8.5   | 0.0   | 46     |       | 80        |         |
| 61 | 3.0   | 0.0   | 18     |       | 80        |         |
| 62 | 8.5   | 0.0   | 51     |       | 80        |         |
| 63 | 5.0   | 0.0   | 92     |       | 80        |         |
| 64 | 5.0   | 0.0   | 98     |       | 80        |         |
| 65 | 6.0   | 0.0   | 60     |       | 80        |         |
| 66 | 5.0   | 0.0   | 62     |       | 80        |         |
| 67 | 3.0   | 0.0   | 29     |       | 80        |         |
| 68 | 8.0   | 0.0   | 42     |       | 80        |         |
| 69 | 6.0   | 0.0   | 25     |       | 80        |         |
| 70 | 8.0   | 0.0   | 53     |       | 80        |         |

## Waarneempunten met rekenresultaten

| (*) IL: inc. maatregel, VL:inc aftrek, RL: inc prognosetoeslag |     |                      |        |       |           |      |         |       |       |    |     |     |       |       |       | (^) VL: ex. optrektoeslag |         |      |       |         |        |          |          |       |       |
|----------------------------------------------------------------|-----|----------------------|--------|-------|-----------|------|---------|-------|-------|----|-----|-----|-------|-------|-------|---------------------------|---------|------|-------|---------|--------|----------|----------|-------|-------|
| nr                                                             | z1  | m1 adres             | huisnr | type  | afw.toets | refl | kenmerk | rhart | groep | sh | wnh | dag | avond | nacht | Lden  | af                        | Lden(*) | Letm | af    | Letm(*) | dag(^) | avond(^) | nacht(^) |       |       |
| 1                                                              | 0.0 | 0.0 Hoef 10          |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 60.22 | 56.96 | 51.64                     | 61.05   | 61   | 61.64 |         | 62     | 60.22    | 56.96    | 51.64 |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 60.70 | 57.43 | 52.12                     | 61.53   | 62   | 62.12 | 62      | 60.70  | 57.43    | 52.12    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 49.43 | 46.06 | 40.87                     | 50.25   | 5    | 45    | 50.87   | 5      | 46       | 49.43    | 46.06 | 40.87 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 49.69 | 46.33 | 41.13                     | 50.51   | 5    | 46    | 51.13   | 5      | 46       | 49.69    | 46.33 | 41.13 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 59.84 | 56.59 | 51.26                     | 60.67   | 5    | 56    | 61.26   | 5      | 56       | 59.84    | 56.59 | 51.26 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 60.33 | 57.08 | 51.76                     | 61.17   | 5    | 56    | 61.76   | 5      | 57       | 60.33    | 57.08 | 51.76 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 27.40 | 23.72 | 18.77                     | 28.13   | 5    | 23    | 28.77   | 5      | 24       | 27.40    | 23.72 | 18.77 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 27.48 | 23.79 | 18.84                     | 28.20   | 5    | 23    | 28.84   | 5      | 24       | 27.48    | 23.79 | 18.84 |
| 2                                                              | 0.0 | 0.0 Hoef 10          |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 57.52 | 54.32 | 48.93                     | 58.36   | 58   | 58.93 | 59      | 57.52  | 54.32    | 48.93    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 57.08 | 53.88 | 48.48                     | 57.92   | 58   | 58.48 | 58      | 57.08  | 53.88    | 48.48    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 49.92 | 46.55 | 41.36                     | 50.74   | 5    | 46    | 51.36   | 5      | 46       | 49.92    | 46.55 | 41.36 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 48.39 | 45.02 | 39.83                     | 49.21   | 5    | 44    | 49.83   | 5      | 45       | 48.39    | 45.02 | 39.83 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 56.69 | 53.52 | 48.09                     | 57.53   | 5    | 53    | 58.09   | 5      | 53       | 56.69    | 53.52 | 48.09 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 56.44 | 53.27 | 47.84                     | 57.28   | 5    | 52    | 57.84   | 5      | 53       | 56.44    | 53.27 | 47.84 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 28.17 | 24.48 | 19.53                     | 28.89   | 5    | 24    | 29.53   | 5      | 25       | 28.17    | 24.48 | 19.53 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 27.43 | 23.76 | 18.80                     | 28.16   | 5    | 23    | 28.80   | 5      | 24       | 27.43    | 23.76 | 18.80 |
| 3                                                              | 0.0 | 0.0 Hoef 7           |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 60.04 | 57.45 | 51.28                     | 60.95   | 61   | 61.28 | 61      | 60.04  | 57.45    | 51.28    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 60.38 | 57.79 | 51.61                     | 61.29   | 61   | 61.61 | 62      | 60.38  | 57.79    | 51.61    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 37.54 | 34.17 | 28.98                     | 38.36   | 5    | 33    | 38.98   | 5      | 34       | 37.54    | 34.17 | 28.98 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 37.14 | 33.78 | 28.58                     | 37.96   | 5    | 33    | 38.58   | 5      | 34       | 37.14    | 33.78 | 28.58 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 60.02 | 57.43 | 51.25                     | 60.93   | 5    | 56    | 61.25   | 5      | 56       | 60.02    | 57.43 | 51.25 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 60.36 | 57.77 | 51.59                     | 61.27   | 5    | 56    | 61.59   | 5      | 57       | 60.36    | 57.77 | 51.59 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | --    | --    | --                        | -99.00  | 5    | -104  | -89.90  | 5      | -95      | --       | --    | --    |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | --    | --    | --                        | -99.00  | 5    | -104  | -89.90  | 5      | -95      | --       | --    | --    |
| 4                                                              | 0.0 | 0.0 Hoef 7           |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 56.22 | 53.49 | 47.50                     | 57.11   | 57   | 57.50 | 58      | 56.22  | 53.49    | 47.50    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 56.79 | 54.09 | 48.06                     | 57.69   | 58   | 58.06 | 58      | 56.79  | 54.09    | 48.06    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 45.29 | 41.92 | 36.73                     | 46.11   | 5    | 41    | 46.73   | 5      | 42       | 45.29    | 41.92 | 36.73 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 45.46 | 42.09 | 36.90                     | 46.28   | 5    | 41    | 46.90   | 5      | 42       | 45.46    | 42.09 | 36.90 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 55.86 | 53.18 | 47.12                     | 56.76   | 5    | 52    | 57.12   | 5      | 52       | 55.86    | 53.18 | 47.12 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 56.46 | 53.81 | 47.71                     | 57.36   | 5    | 52    | 57.71   | 5      | 53       | 56.46    | 53.81 | 47.71 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 13.28 | 9.46  | 4.63                      | 13.98   | 5    | 9     | 14.63   | 5      | 10       | 13.28    | 9.46  | 4.63  |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 15.63 | 11.80 | 6.98                      | 16.32   | 5    | 11    | 16.98   | 5      | 12       | 15.63    | 11.80 | 6.98  |
| 5                                                              | 0.0 | 0.0 Achterhoek 2     |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 53.27 | 49.95 | 44.70                     | 54.09   | 54   | 54.70 | 55      | 53.27  | 49.95    | 44.70    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 53.57 | 50.24 | 45.00                     | 54.39   | 54   | 55.00 | 55      | 53.57  | 50.24    | 45.00    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 52.86 | 49.50 | 44.30                     | 53.68   | 5    | 49    | 54.30   | 5      | 49       | 52.86    | 49.50 | 44.30 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 53.23 | 49.87 | 44.67                     | 54.05   | 5    | 49    | 54.67   | 5      | 50       | 53.23    | 49.87 | 44.67 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 42.82 | 39.89 | 34.16                     | 43.69   | 5    | 39    | 44.16   | 5      | 39       | 42.82    | 39.89 | 34.16 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 42.34 | 39.39 | 33.68                     | 43.21   | 5    | 38    | 43.68   | 5      | 39       | 42.34    | 39.39 | 33.68 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 14.39 | 10.61 | 5.74                      | 15.09   | 5    | 10    | 15.74   | 5      | 11       | 14.39    | 10.61 | 5.74  |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 14.59 | 10.81 | 5.94                      | 15.29   | 5    | 10    | 15.94   | 5      | 11       | 14.59    | 10.81 | 5.94  |
| 6                                                              | 0.0 | 0.0 Knegselsedijk 17 |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 59.74 | 56.37 | 51.18                     | 60.56   | 61   | 61.18 | 61      | 59.74  | 56.37    | 51.18    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (0) | 1   | 4.5   | 60.39 | 57.02 | 51.83                     | 61.21   | 61   | 61.83 | 62      | 60.39  | 57.02    | 51.83    |       |       |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 1.5   | 59.70 | 56.32 | 51.14                     | 60.51   | 5    | 56    | 61.14   | 5      | 56       | 59.70    | 56.32 | 51.14 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (1) | 1   | 4.5   | 60.36 | 56.99 | 51.80                     | 61.18   | 5    | 56    | 61.80   | 5      | 57       | 60.36    | 56.99 | 51.80 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 1.5   | 30.46 | 27.45 | 21.81                     | 31.32   | 5    | 26    | 31.81   | 5      | 27       | 30.46    | 27.45 | 21.81 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (2) | 1   | 4.5   | 30.26 | 27.25 | 21.61                     | 31.12   | 5    | 26    | 31.61   | 5      | 27       | 30.26    | 27.25 | 21.61 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 1.5   | 39.54 | 36.01 | 30.92                     | 40.30   | 5    | 35    | 40.92   | 5      | 36       | 39.54    | 36.01 | 30.92 |
|                                                                |     |                      |        |       |           |      |         |       |       | VL | (3) | 1   | 4.5   | 39.10 | 35.55 | 30.47                     | 39.85   | 5    | 35    | 40.47   | 5      | 35       | 39.10    | 35.55 | 30.47 |
| 7                                                              | 0.0 | 0.0 Knegselsedijk 17 |        | gevel |           |      |         |       |       | VL | (0) | 1   | 1.5   | 56.44 | 53.06 | 47.88                     | 57.25   | 57   | 57.88 | 58      | 56.44  | 53.06    | 47.88    |       |       |



| (*) IL: inc. maatregel, VL:inc aftrek, RL: inc prognosetoeslag |     |                      |             |           |              |             |        |     |     |       |       |       |            |      |            | (^) VL: ex. optrektoeslag |          |                      |
|----------------------------------------------------------------|-----|----------------------|-------------|-----------|--------------|-------------|--------|-----|-----|-------|-------|-------|------------|------|------------|---------------------------|----------|----------------------|
| nr                                                             | z1  | m1 adres             | huisnr type | afw.toets | refl kenmerk | rhart groep | sh     | wnh | dag | avond | nacht | Lden  | af Lden(*) | Letm | af Letm(*) | dag(^)                    | avond(^) | nacht(^)             |
| 8                                                              | 0.0 | 0.0 Knegselsedijk 17 | gevel       |           |              |             | VL (0) | 1   | 4.5 | 57.55 | 54.19 | 48.99 | 58.37      |      | 58         | 58.99                     | 59       | 57.55 54.19 48.99    |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 1.5 | 56.43 | 53.06 | 47.87 | 57.25      | 5    | 52         | 57.87                     | 5        | 53 56.43 53.06 47.87 |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 4.5 | 57.54 | 54.17 | 48.98 | 58.36      | 5    | 53         | 58.98                     | 5        | 54 57.54 54.17 48.98 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 1.5 | 28.15 | 25.08 | 19.51 | 29.00      | 5    | 24         | 29.51                     | 5        | 25 28.15 25.08 19.51 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 4.5 | 32.51 | 29.55 | 23.85 | 33.38      | 5    | 28         | 33.85                     | 5        | 29 32.51 29.55 23.85 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 1.5 | 20.86 | 17.16 | 12.22 | 21.58      | 5    | 17         | 22.22                     | 5        | 17 20.86 17.16 12.22 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 4.5 | 22.49 | 18.78 | 13.85 | 23.21      | 5    | 18         | 23.85                     | 5        | 19 22.49 18.78 13.85 |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 1.5 | 58.57 | 55.19 | 50.01 | 59.38      |      | 59         | 60.01                     | 60       | 58.57 55.19 50.01    |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 4.5 | 57.80 | 54.43 | 49.24 | 58.62      |      | 59         | 59.24                     | 59       | 57.80 54.43 49.24    |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 1.5 | 58.47 | 55.10 | 49.92 | 59.29      | 5    | 54         | 59.92                     | 5        | 55 58.47 55.10 49.92 |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 4.5 | 57.72 | 54.34 | 49.16 | 58.53      | 5    | 54         | 59.16                     | 5        | 54 57.72 54.34 49.16 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 1.5 | 28.24 | 25.27 | 19.58 | 29.10      | 5    | 24         | 29.58                     | 5        | 25 28.24 25.27 19.58 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 4.5 | 28.32 | 25.44 | 19.63 | 29.19      | 5    | 24         | 29.63                     | 5        | 25 28.32 25.44 19.63 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 1.5 | 41.70 | 38.15 | 33.08 | 42.46      | 5    | 37         | 43.08                     | 5        | 38 41.70 38.15 33.08 |
| 9                                                              | 0.0 | 0.0 Knegselsedijk 13 | gevel       |           |              |             | VL (3) | 1   | 4.5 | 40.45 | 36.90 | 31.82 | 41.20      | 5    | 36         | 41.82                     | 5        | 37 40.45 36.90 31.82 |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 1.5 | 58.81 | 55.43 | 50.25 | 59.62      |      | 60         | 60.25                     | 60       | 58.81 55.43 50.25    |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 4.5 | 59.63 | 56.25 | 51.07 | 60.44      |      | 60         | 61.07                     | 61       | 59.63 56.25 51.07    |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 1.5 | 58.57 | 55.20 | 50.01 | 59.39      | 5    | 54         | 60.01                     | 5        | 55 58.57 55.20 50.01 |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 4.5 | 59.46 | 56.09 | 50.90 | 60.28      | 5    | 55         | 60.90                     | 5        | 56 59.46 56.09 50.90 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 1.5 | 27.09 | 24.16 | 18.41 | 27.95      | 5    | 23         | 28.41                     | 5        | 23 27.09 24.16 18.41 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 4.5 | 27.46 | 24.57 | 18.78 | 28.33      | 5    | 23         | 28.78                     | 5        | 24 27.46 24.57 18.78 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 1.5 | 46.14 | 42.55 | 37.51 | 46.89      | 5    | 42         | 47.51                     | 5        | 43 46.14 42.55 37.51 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 4.5 | 45.43 | 41.84 | 36.80 | 46.18      | 5    | 41         | 46.80                     | 5        | 42 45.43 41.84 36.80 |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 1.5 | 56.06 | 52.68 | 47.50 | 56.87      |      | 57         | 57.50                     | 58       | 56.06 52.68 47.50    |
| 10                                                             | 0.0 | 0.0 Knegselsedijk 13 | gevel       |           |              |             | VL (0) | 1   | 4.5 | 56.73 | 53.35 | 48.17 | 57.54      |      | 58         | 58.17                     | 58       | 56.73 53.35 48.17    |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 1.5 | 56.03 | 52.65 | 47.47 | 56.84      | 5    | 52         | 57.47                     | 5        | 52 56.03 52.65 47.47 |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 4.5 | 56.70 | 53.32 | 48.14 | 57.51      | 5    | 53         | 58.14                     | 5        | 53 56.70 53.32 48.14 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 1.5 | 28.04 | 24.96 | 19.41 | 28.89      | 5    | 24         | 29.41                     | 5        | 24 28.04 24.96 19.41 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 4.5 | 30.87 | 27.82 | 22.23 | 31.72      | 5    | 27         | 32.23                     | 5        | 27 30.87 27.82 22.23 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 1.5 | 33.13 | 29.54 | 24.50 | 33.88      | 5    | 29         | 34.50                     | 5        | 29 33.13 29.54 24.50 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 4.5 | 33.27 | 29.67 | 24.64 | 34.01      | 5    | 29         | 34.64                     | 5        | 30 33.27 29.67 24.64 |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 1.5 | 55.94 | 52.53 | 47.37 | 56.75      |      | 57         | 57.37                     | 57       | 55.94 52.53 47.37    |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 4.5 | 56.04 | 52.65 | 47.47 | 56.85      |      | 57         | 57.47                     | 57       | 56.04 52.65 47.47    |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 1.5 | 55.20 | 51.83 | 46.64 | 56.02      | 5    | 51         | 56.64                     | 5        | 52 55.20 51.83 46.64 |
| 11                                                             | 0.0 | 0.0 Knegselsedijk 13 | gevel       |           |              |             | VL (1) | 1   | 4.5 | 55.63 | 52.26 | 47.07 | 56.45      | 5    | 51         | 57.07                     | 5        | 52 55.63 52.26 47.07 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 1.5 | 25.89 | 22.92 | 17.23 | 26.75      | 5    | 22         | 27.23                     | 5        | 22 25.89 22.92 17.23 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 4.5 | 25.38 | 22.38 | 16.72 | 26.24      | 5    | 21         | 26.72                     | 5        | 22 25.38 22.38 16.72 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 1.5 | 47.82 | 44.23 | 39.19 | 48.57      | 5    | 44         | 49.19                     | 5        | 44 47.82 44.23 39.19 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 4.5 | 45.54 | 41.95 | 36.91 | 46.29      | 5    | 41         | 46.91                     | 5        | 42 45.54 41.95 36.91 |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 1.5 | 56.97 | 53.57 | 48.40 | 57.78      |      | 58         | 58.40                     | 58       | 56.97 53.57 48.40    |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 1.5 | 56.41 | 53.05 | 47.85 | 57.23      | 5    | 52         | 57.85                     | 5        | 53 56.41 53.05 47.85 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 1.5 | 22.91 | 19.67 | 14.32 | 23.74      | 5    | 19         | 24.32                     | 5        | 19 22.91 19.67 14.32 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 1.5 | 47.74 | 44.15 | 39.11 | 48.49      | 5    | 43         | 49.11                     | 5        | 44 47.74 44.15 39.11 |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 1.5 | 57.85 | 54.46 | 49.29 | 58.66      |      | 59         | 59.29                     | 59       | 57.85 54.46 49.29    |
| 12                                                             | 0.0 | 0.0 Knegselsedijk 9  | gevel       |           |              |             | VL (0) | 1   | 4.5 | 58.16 | 54.76 | 49.59 | 58.97      |      | 59         | 59.59                     | 60       | 58.16 54.76 49.59    |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 1.5 | 57.25 | 53.88 | 48.69 | 58.07      | 5    | 53         | 58.69                     | 5        | 54 57.25 53.88 48.69 |
|                                                                |     |                      |             |           |              |             | VL (1) | 1   | 4.5 | 57.65 | 54.28 | 49.09 | 58.47      | 5    | 53         | 59.09                     | 5        | 54 57.65 54.28 49.09 |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 1.5 | 14.79 | 11.75 | 6.13  | 15.64      | 5    | 11         | 16.13                     | 5        | 11 14.79 11.75 6.13  |
|                                                                |     |                      |             |           |              |             | VL (2) | 1   | 4.5 | 21.89 | 18.99 | 13.19 | 22.75      | 5    | 18         | 23.19                     | 5        | 18 21.89 18.99 13.19 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 1.5 | 48.99 | 45.43 | 40.37 | 49.75      | 5    | 45         | 50.37                     | 5        | 45 48.99 45.43 40.37 |
|                                                                |     |                      |             |           |              |             | VL (3) | 1   | 4.5 | 48.58 | 45.02 | 39.96 | 49.34      | 5    | 44         | 49.96                     | 5        | 45 48.58 45.02 39.96 |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 1.5 | 55.96 | 52.58 | 47.40 | 56.77      |      | 57         | 57.40                     | 57       | 55.96 52.58 47.40    |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 1.5 | 55.96 | 52.58 | 47.40 | 56.77      |      | 57         | 57.40                     | 57       | 55.96 52.58 47.40    |
|                                                                |     |                      |             |           |              |             | VL (0) | 1   | 1.5 | 55.96 | 52.58 | 47.40 | 56.77      |      | 57         | 57.40                     | 57       | 55.96 52.58 47.40    |
| 14                                                             | 0.0 | 0.0 Knegselsedijk 9  | gevel       |           |              |             | VL (0) | 1   | 1.5 | 55.96 | 52.58 | 47.40 | 56.77      |      | 57         | 57.40                     | 57       | 55.96 52.58 47.40    |

| (*) IL: inc. maatregel, VL:inc aftrek, RL: inc prognosetoeslag |     |                     |        |       |           |      |         |       |        |    |     |       |       |       |        |            |      |            | (^) VL: ex. optrektoeslag |          |          |       |       |
|----------------------------------------------------------------|-----|---------------------|--------|-------|-----------|------|---------|-------|--------|----|-----|-------|-------|-------|--------|------------|------|------------|---------------------------|----------|----------|-------|-------|
| nr                                                             | z1  | m1 adres            | huisnr | type  | afw.toets | refl | kenmerk | rhart | groep  | sh | wnh | dag   | avond | nacht | Lden   | af Lden(*) | Letm | af Letm(*) | dag(^)                    | avond(^) | nacht(^) |       |       |
| 15                                                             | 0.0 | 0.0 Knegselsedijk 9 |        | gevel |           |      |         |       | VL (0) | 1  | 4.5 | 56.54 | 53.16 | 47.98 | 57.35  |            | 57   | 57.98      |                           | 58       | 56.54    | 53.16 | 47.98 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 1.5 | 55.86 | 52.49 | 47.30 | 56.68  | 5          | 52   | 57.30      | 5                         | 52       | 55.86    | 52.49 | 47.30 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 4.5 | 56.46 | 53.08 | 47.90 | 57.27  | 5          | 52   | 57.90      | 5                         | 53       | 56.46    | 53.08 | 47.90 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 1.5 | 23.93 | 20.83 | 15.30 | 24.78  | 5          | 20   | 25.30      | 5                         | 20       | 23.93    | 20.83 | 15.30 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 4.5 | 28.26 | 25.14 | 19.65 | 29.11  | 5          | 24   | 29.65      | 5                         | 25       | 28.26    | 25.14 | 19.65 |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 1.5 | 39.23 | 35.63 | 30.60 | 39.97  | 5          | 35   | 40.60      | 5                         | 36       | 39.23    | 35.63 | 30.60 |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 4.5 | 38.68 | 35.08 | 30.05 | 39.42  | 5          | 34   | 40.05      | 5                         | 35       | 38.68    | 35.08 | 30.05 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 51.80 | 48.39 | 43.22 | 52.60  |            | 53   | 53.22      |                           | 53       | 51.80    | 48.39 | 43.22 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 4.5 | 52.84 | 49.43 | 44.26 | 53.64  |            | 54   | 54.26      |                           | 54       | 52.84    | 49.43 | 44.26 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 1.5 | 50.23 | 46.88 | 41.67 | 51.05  | 5          | 46   | 51.67      | 5                         | 47       | 50.23    | 46.88 | 41.67 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 4.5 | 51.80 | 48.44 | 43.24 | 52.62  | 5          | 48   | 53.24      | 5                         | 48       | 51.80    | 48.44 | 43.24 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 1.5 | 18.79 | 15.52 | 10.19 | 19.61  | 5          | 15   | 20.19      | 5                         | 15       | 18.79    | 15.52 | 10.19 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 4.5 | 23.52 | 20.29 | 14.93 | 24.35  | 5          | 19   | 24.93      | 5                         | 20       | 23.52    | 20.29 | 14.93 |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 1.5 | 46.62 | 43.05 | 37.99 | 47.37  | 5          | 42   | 47.99      | 5                         | 43       | 46.62    | 43.05 | 37.99 |
| 16                                                             | 0.0 | 0.0 Knegselsedijk 7 |        | gevel |           |      |         |       | VL (3) | 1  | 4.5 | 46.08 | 42.50 | 37.45 | 46.83  | 5          | 42   | 47.45      | 5                         | 42       | 46.08    | 42.50 | 37.45 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 55.10 | 51.70 | 46.53 | 55.91  |            | 56   | 56.53      |                           | 57       | 55.10    | 51.70 | 46.53 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 4.5 | 55.86 | 52.46 | 47.29 | 56.67  |            | 57   | 57.29      |                           | 57       | 55.86    | 52.46 | 47.29 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 1.5 | 53.98 | 50.62 | 45.42 | 54.80  | 5          | 50   | 55.42      | 5                         | 50       | 53.98    | 50.62 | 45.42 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 4.5 | 55.01 | 51.65 | 46.45 | 55.83  | 5          | 51   | 56.45      | 5                         | 51       | 55.01    | 51.65 | 46.45 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 1.5 | 17.29 | 14.63 | 8.51  | 18.18  | 5          | 13   | 18.51      | 5                         | 14       | 17.29    | 14.63 | 8.51  |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 4.5 | 21.98 | 19.36 | 13.20 | 22.88  | 5          | 18   | 23.20      | 5                         | 18       | 21.98    | 19.36 | 13.20 |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 1.5 | 48.69 | 45.11 | 40.06 | 49.44  | 5          | 44   | 50.06      | 5                         | 45       | 48.69    | 45.11 | 40.06 |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 4.5 | 48.36 | 44.79 | 39.73 | 49.11  | 5          | 44   | 49.73      | 5                         | 45       | 48.36    | 44.79 | 39.73 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 52.91 | 49.52 | 44.34 | 53.72  |            | 54   | 54.34      |                           | 54       | 52.91    | 49.52 | 44.34 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 4.5 | 54.14 | 50.75 | 45.58 | 54.95  |            | 55   | 55.58      |                           | 56       | 54.14    | 50.75 | 45.58 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 1.5 | 52.65 | 49.28 | 44.09 | 53.47  | 5          | 48   | 54.09      | 5                         | 49       | 52.65    | 49.28 | 44.09 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 4.5 | 53.96 | 50.58 | 45.40 | 54.77  | 5          | 50   | 55.40      | 5                         | 50       | 53.96    | 50.58 | 45.40 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 1.5 | 20.30 | 17.11 | 11.69 | 21.13  | 5          | 16   | 21.69      | 5                         | 17       | 20.30    | 17.11 | 11.69 |
| 17                                                             | 0.0 | 0.0 Knegselsedijk 7 |        | gevel |           |      |         |       | VL (2) | 1  | 4.5 | 26.82 | 23.67 | 18.22 | 27.67  | 5          | 23   | 28.22      | 5                         | 23       | 26.82    | 23.67 | 18.22 |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 1.5 | 40.42 | 36.79 | 31.79 | 41.16  | 5          | 36   | 41.79      | 5                         | 37       | 40.42    | 36.79 | 31.79 |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 4.5 | 39.95 | 36.32 | 31.32 | 40.69  | 5          | 36   | 41.32      | 5                         | 36       | 39.95    | 36.32 | 31.32 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 51.00 | 47.54 | 42.39 | 51.78  |            | 52   | 52.39      |                           | 52       | 51.00    | 47.54 | 42.39 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 4.5 | 50.17 | 46.74 | 41.57 | 50.96  |            | 51   | 51.57      |                           | 52       | 50.17    | 46.74 | 41.57 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 1.5 | 46.10 | 42.84 | 37.53 | 46.94  | 5          | 42   | 47.53      | 5                         | 43       | 46.10    | 42.84 | 37.53 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 4.5 | 46.16 | 42.90 | 37.59 | 47.00  | 5          | 42   | 47.59      | 5                         | 43       | 46.16    | 42.90 | 37.59 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 1.5 | 24.71 | 21.62 | 16.08 | 25.56  | 5          | 21   | 26.08      | 5                         | 21       | 24.71    | 21.62 | 16.08 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 4.5 | 25.58 | 22.66 | 16.91 | 26.45  | 5          | 21   | 26.91      | 5                         | 22       | 25.58    | 22.66 | 16.91 |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 1.5 | 49.28 | 45.73 | 40.65 | 50.03  | 5          | 45   | 50.65      | 5                         | 46       | 49.28    | 45.73 | 40.65 |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 4.5 | 47.95 | 44.40 | 39.32 | 48.70  | 5          | 44   | 49.32      | 5                         | 44       | 47.95    | 44.40 | 39.32 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 53.71 | 50.35 | 45.13 | 54.52  |            | 55   | 55.13      |                           | 55       | 53.71    | 50.35 | 45.13 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 1.5 | 52.70 | 49.39 | 44.13 | 53.53  | 5          | 49   | 54.13      | 5                         | 49       | 52.70    | 49.39 | 44.13 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 1.5 | 24.08 | 20.85 | 15.49 | 24.91  | 5          | 20   | 25.49      | 5                         | 20       | 24.08    | 20.85 | 15.49 |
| 18                                                             | 0.0 | 0.0 Knegselsedijk 5 |        | gevel |           |      |         |       | VL (3) | 1  | 1.5 | 46.85 | 43.28 | 38.22 | 47.60  | 5          | 43   | 48.22      | 5                         | 43       | 46.85    | 43.28 | 38.22 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 53.50 | 50.12 | 44.91 | 54.30  |            | 54   | 54.91      |                           | 55       | 53.50    | 50.12 | 44.91 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 1.5 | 52.04 | 48.75 | 43.47 | 52.87  | 5          | 48   | 53.47      | 5                         | 48       | 52.04    | 48.75 | 43.47 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 1.5 | 19.51 | 16.56 | 10.84 | 20.37  | 5          | 15   | 20.84      | 5                         | 16       | 19.51    | 16.56 | 10.84 |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 1.5 | 48.03 | 44.43 | 39.40 | 48.77  | 5          | 44   | 49.40      | 5                         | 44       | 48.03    | 44.43 | 39.40 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 48.60 | 45.32 | 40.03 | 49.43  |            | 49   | 50.03      |                           | 50       | 48.60    | 45.32 | 40.03 |
|                                                                |     |                     |        |       |           |      |         |       | VL (1) | 1  | 1.5 | 48.60 | 45.32 | 40.03 | 49.43  | 5          | 44   | 50.03      | 5                         | 45       | 48.60    | 45.32 | 40.03 |
|                                                                |     |                     |        |       |           |      |         |       | VL (2) | 1  | 1.5 | 13.33 | 10.25 | 4.66  | 14.17  | 5          | 9    | 14.66      | 5                         | 10       | 13.33    | 10.25 | 4.66  |
|                                                                |     |                     |        |       |           |      |         |       | VL (3) | 1  | 1.5 | --    | --    | --    | -99.00 | 5          | -104 | -89.90     | 5                         | -95      | --       | --    | --    |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 52.08 | 48.65 | 43.49 | 52.87  |            | 53   | 53.49      |                           | 53       | 52.08    | 48.65 | 43.49 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 52.08 | 48.65 | 43.49 | 52.87  |            | 53   | 53.49      |                           | 53       | 52.08    | 48.65 | 43.49 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 52.08 | 48.65 | 43.49 | 52.87  |            | 53   | 53.49      |                           | 53       | 52.08    | 48.65 | 43.49 |
|                                                                |     |                     |        |       |           |      |         |       | VL (0) | 1  | 1.5 | 52.08 | 48.65 | 43.49 | 52.87  |            | 53   | 53.49      |                           | 53       | 52.08    | 48.65 | 43.49 |

| (*) IL: inc. maatregel, VL:inc aftrek, RL: inc prognosetoeslag |     |                     |             |           |              |             |       |       |       |       |       |       |            |      |            |        | (^) VL: ex. optrektoeslag |          |       |       |
|----------------------------------------------------------------|-----|---------------------|-------------|-----------|--------------|-------------|-------|-------|-------|-------|-------|-------|------------|------|------------|--------|---------------------------|----------|-------|-------|
| nr                                                             | z1  | m1 adres            | huisnr type | afw.toets | refl kenmerk | rhart groep | sh    | wnh   | dag   | avond | nacht | Lden  | af Lden(*) | Letm | af Letm(*) | dag(^) | avond(^)                  | nacht(^) |       |       |
| 23                                                             | 0.0 | 0.0 Knegselsedijk 3 | gevel       |           |              | VL (1)      | 1     | 1.5   | 50.28 | 46.93 | 41.72 | 51.10 | 5          | 46   | 51.72      | 5      | 47                        | 50.28    | 46.93 | 41.72 |
|                                                                |     |                     |             | VL (2)    | 1            | 1.5         | 23.59 | 20.38 | 15.00 | 24.43 | 5     | 19    | 25.00      | 5    | 20         | 23.59  | 20.38                     | 15.00    |       |       |
|                                                                |     |                     |             | VL (3)    | 1            | 1.5         | 47.37 | 43.79 | 38.74 | 48.12 | 5     | 43    | 48.74      | 5    | 44         | 47.37  | 43.79                     | 38.74    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 1.5         | 53.98 | 50.63 | 45.40 | 54.79 |       | 55    | 55.40      |      | 55         | 53.98  | 50.63                     | 45.40    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 4.5         | 54.47 | 51.14 | 45.89 | 55.29 |       | 55    | 55.89      |      | 56         | 54.47  | 51.14                     | 45.89    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 1.5         | 52.99 | 49.70 | 44.42 | 53.82 | 5     | 49    | 54.42      | 5    | 49         | 52.99  | 49.70                     | 44.42    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 4.5         | 53.72 | 50.44 | 45.15 | 54.55 | 5     | 50    | 55.15      | 5    | 50         | 53.72  | 50.44                     | 45.15    |       |       |
|                                                                |     |                     |             | VL (2)    | 1            | 1.5         | 19.33 | 16.36 | 10.66 | 20.19 | 5     | 15    | 20.66      | 5    | 16         | 19.33  | 16.36                     | 10.66    |       |       |
| 24                                                             | 0.0 | 0.0 Knegselsedijk 3 | gevel       |           |              | VL (2)      | 1     | 4.5   | 21.67 | 18.86 | 12.95 | 22.55 | 5          | 18   | 22.95      | 5      | 18                        | 21.67    | 18.86 | 12.95 |
|                                                                |     |                     |             | VL (3)    | 1            | 1.5         | 47.08 | 43.49 | 38.45 | 47.83 | 5     | 43    | 48.45      | 5    | 43         | 47.08  | 43.49                     | 38.45    |       |       |
|                                                                |     |                     |             | VL (3)    | 1            | 4.5         | 46.46 | 42.87 | 37.83 | 47.21 | 5     | 42    | 47.83      | 5    | 43         | 46.46  | 42.87                     | 37.83    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 1.5         | 54.14 | 50.81 | 45.57 | 54.96 |       | 55    | 55.57      |      | 56         | 54.14  | 50.81                     | 45.57    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 4.5         | 54.61 | 51.29 | 46.03 | 55.43 |       | 55    | 56.03      |      | 56         | 54.61  | 51.29                     | 46.03    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 1.5         | 53.32 | 50.03 | 44.75 | 54.15 | 5     | 49    | 54.75      | 5    | 50         | 53.32  | 50.03                     | 44.75    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 4.5         | 53.98 | 50.71 | 45.41 | 54.81 | 5     | 50    | 55.41      | 5    | 50         | 53.98  | 50.71                     | 45.41    |       |       |
|                                                                |     |                     |             | VL (2)    | 1            | 1.5         | 25.52 | 22.28 | 16.94 | 26.36 | 5     | 21    | 26.94      | 5    | 22         | 25.52  | 22.28                     | 16.94    |       |       |
| 25                                                             | 0.0 | 0.0 Knegselsedijk 3 | gevel       |           |              | VL (2)      | 1     | 4.5   | 26.06 | 22.90 | 17.44 | 26.90 | 5          | 22   | 27.44      | 5      | 22                        | 26.06    | 22.90 | 17.44 |
|                                                                |     |                     |             | VL (3)    | 1            | 1.5         | 46.50 | 42.93 | 37.87 | 47.25 | 5     | 42    | 47.87      | 5    | 43         | 46.50  | 42.93                     | 37.87    |       |       |
|                                                                |     |                     |             | VL (3)    | 1            | 4.5         | 45.84 | 42.27 | 37.21 | 46.59 | 5     | 42    | 47.21      | 5    | 42         | 45.84  | 42.27                     | 37.21    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 1.5         | 54.51 | 51.19 | 45.93 | 55.33 |       | 55    | 55.93      |      | 56         | 54.51  | 51.19                     | 45.93    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 4.5         | 54.90 | 51.60 | 46.33 | 55.73 |       | 56    | 56.33      |      | 56         | 54.90  | 51.60                     | 46.33    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 1.5         | 53.83 | 50.56 | 45.26 | 54.66 | 5     | 50    | 55.26      | 5    | 50         | 53.83  | 50.56                     | 45.26    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 4.5         | 54.38 | 51.11 | 45.81 | 55.21 | 5     | 50    | 55.81      | 5    | 51         | 54.38  | 51.11                     | 45.81    |       |       |
|                                                                |     |                     |             | VL (2)    | 1            | 1.5         | 27.11 | 23.84 | 18.53 | 27.94 | 5     | 23    | 28.53      | 5    | 24         | 27.11  | 23.84                     | 18.53    |       |       |
| 26                                                             | 0.0 | 0.0 Knegselsedijk 3 | gevel       |           |              | VL (2)      | 1     | 4.5   | 27.44 | 24.24 | 18.84 | 28.28 | 5          | 23   | 28.84      | 5      | 24                        | 27.44    | 24.24 | 18.84 |
|                                                                |     |                     |             | VL (3)    | 1            | 1.5         | 46.05 | 42.46 | 37.42 | 46.80 | 5     | 42    | 47.42      | 5    | 42         | 46.05  | 42.46                     | 37.42    |       |       |
|                                                                |     |                     |             | VL (3)    | 1            | 4.5         | 45.36 | 41.77 | 36.73 | 46.11 | 5     | 41    | 46.73      | 5    | 42         | 45.36  | 41.77                     | 36.73    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 1.5         | 49.83 | 46.58 | 41.26 | 50.67 |       | 51    | 51.26      |      | 51         | 49.83  | 46.58                     | 41.26    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 4.5         | 50.89 | 47.63 | 42.31 | 51.72 |       | 52    | 52.31      |      | 52         | 50.89  | 47.63                     | 42.31    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 1.5         | 49.81 | 46.56 | 41.24 | 50.65 | 5     | 46    | 51.24      | 5    | 46         | 49.81  | 46.56                     | 41.24    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 4.5         | 50.87 | 47.62 | 42.30 | 51.71 | 5     | 47    | 52.30      | 5    | 47         | 50.87  | 47.62                     | 42.30    |       |       |
|                                                                |     |                     |             | VL (2)    | 1            | 1.5         | 22.12 | 18.75 | 13.57 | 22.94 | 5     | 18    | 23.57      | 5    | 19         | 22.12  | 18.75                     | 13.57    |       |       |
| 27                                                             | 0.0 | 0.0 Knegselsedijk 3 | gevel       |           |              | VL (2)      | 1     | 4.5   | 22.41 | 19.03 | 13.86 | 23.23 | 5          | 18   | 23.86      | 5      | 19                        | 22.41    | 19.03 | 13.86 |
|                                                                |     |                     |             | VL (3)    | 1            | 1.5         | 23.14 | 19.60 | 14.51 | 23.90 | 5     | 19    | 24.51      | 5    | 20         | 23.14  | 19.60                     | 14.51    |       |       |
|                                                                |     |                     |             | VL (3)    | 1            | 4.5         | 22.85 | 19.31 | 14.22 | 23.61 | 5     | 19    | 24.22      | 5    | 19         | 22.85  | 19.31                     | 14.22    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 1.5         | 51.41 | 48.01 | 42.82 | 52.21 |       | 52    | 52.82      |      | 53         | 51.41  | 48.01                     | 42.82    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 4.5         | 51.75 | 48.40 | 43.17 | 52.56 |       | 53    | 53.17      |      | 53         | 51.75  | 48.40                     | 43.17    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 1.5         | 49.36 | 46.08 | 40.80 | 50.20 | 5     | 45    | 50.80      | 5    | 46         | 49.36  | 46.08                     | 40.80    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 4.5         | 50.47 | 47.19 | 41.90 | 51.30 | 5     | 46    | 51.90      | 5    | 47         | 50.47  | 47.19                     | 41.90    |       |       |
|                                                                |     |                     |             | VL (2)    | 1            | 1.5         | 13.32 | 10.37 | 4.62  | 14.17 | 5     | 9     | 14.62      | 5    | 10         | 13.32  | 10.37                     | 4.62     |       |       |
| 28                                                             | 0.0 | 0.0 Duizelseweg 4   | gevel       |           |              | VL (2)      | 1     | 4.5   | 21.48 | 18.53 | 12.80 | 22.34 | 5          | 17   | 22.80      | 5      | 18                        | 21.48    | 18.53 | 12.80 |
|                                                                |     |                     |             | VL (3)    | 1            | 1.5         | 47.15 | 43.56 | 38.52 | 47.90 | 5     | 43    | 48.52      | 5    | 44         | 47.15  | 43.56                     | 38.52    |       |       |
|                                                                |     |                     |             | VL (3)    | 1            | 4.5         | 45.81 | 42.23 | 37.18 | 46.56 | 5     | 42    | 47.18      | 5    | 42         | 45.81  | 42.23                     | 37.18    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 1.5         | 55.07 | 51.79 | 46.49 | 55.90 |       | 56    | 56.49      |      | 56         | 55.07  | 51.79                     | 46.49    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 4.5         | 55.46 | 52.19 | 46.88 | 56.29 |       | 56    | 56.88      |      | 57         | 55.46  | 52.19                     | 46.88    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 1.5         | 54.82 | 51.57 | 46.25 | 55.66 | 5     | 51    | 56.25      | 5    | 51         | 54.82  | 51.57                     | 46.25    |       |       |
|                                                                |     |                     |             | VL (1)    | 1            | 4.5         | 55.27 | 52.01 | 46.69 | 56.10 | 5     | 51    | 56.69      | 5    | 52         | 55.27  | 52.01                     | 46.69    |       |       |
|                                                                |     |                     |             | VL (2)    | 1            | 1.5         | 22.90 | 20.15 | 14.17 | 23.79 | 5     | 19    | 24.17      | 5    | 19         | 22.90  | 20.15                     | 14.17    |       |       |
| 29                                                             | 0.0 | 0.0 Duizelseweg 4   | gevel       |           |              | VL (2)      | 1     | 4.5   | 24.04 | 21.16 | 15.35 | 24.91 | 5          | 20   | 25.35      | 5      | 20                        | 24.04    | 21.16 | 15.35 |
|                                                                |     |                     |             | VL (3)    | 1            | 1.5         | 42.44 | 38.81 | 33.81 | 43.18 | 5     | 38    | 43.81      | 5    | 39         | 42.44  | 38.81                     | 33.81    |       |       |
|                                                                |     |                     |             | VL (3)    | 1            | 4.5         | 41.75 | 38.12 | 33.12 | 42.49 | 5     | 37    | 43.12      | 5    | 38         | 41.75  | 38.12                     | 33.12    |       |       |
|                                                                |     |                     |             | VL (0)    | 1            | 1.5         | 50.88 | 47.63 | 42.31 | 51.72 |       | 52    | 52.31      |      | 52         | 50.88  | 47.63                     | 42.31    |       |       |

| (*) IL: inc. maatregel, VL:inc aftrek, RL: inc prognosetoeslag |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        | (^) VL: ex. optrektoeslag |          |     |       |       |       |  |  |  |  |
|----------------------------------------------------------------|-----|-------------------|--------|-------|-----------|--------------|-------|-------|----|-------|-----|-------|-------|-------|------------|--------|------------|--------|---------------------------|----------|-----|-------|-------|-------|--|--|--|--|
| nr                                                             | z1  | m1 adres          | huisnr | type  | afw.toets | refl kenmerk | rhart | groep | sh | wnh   | dag | avond | nacht | Lden  | af Lden(*) | Letm   | af Letm(*) | dag(^) | avond(^)                  | nacht(^) |     |       |       |       |  |  |  |  |
| 30                                                             | 0.0 | 0.0 Duizelseweg 4 |        | gevel |           |              |       |       | VL | (0)   | 1   | 4.5   | 51.64 | 48.39 | 43.07      | 52.48  |            | 52     | 53.07                     |          | 53  | 51.64 | 48.39 | 43.07 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 1.5   | 50.88 | 47.63 | 42.31      | 51.72  | 5          | 47     | 52.31                     | 5        | 47  | 50.88 | 47.63 | 42.31 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 4.5   | 51.64 | 48.39 | 43.07      | 52.48  | 5          | 47     | 53.07                     | 5        | 48  | 51.64 | 48.39 | 43.07 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (2)   | 1   | 1.5   | 15.95 | 12.56 | 7.40       | 16.77  | 5          | 12     | 17.40                     | 5        | 12  | 15.95 | 12.56 | 7.40  |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (2)   | 1   | 4.5   | 16.20 | 12.80 | 7.65       | 17.01  | 5          | 12     | 17.65                     | 5        | 13  | 16.20 | 12.80 | 7.65  |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (3)   | 1   | 1.5   | --    | --    | --         | -99.00 | 5          | -104   | -89.90                    | 5        | -95 | --    | --    | --    |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (3)   | 1   | 4.5   | --    | --    | --         | -99.00 | 5          | -104   | -89.90                    | 5        | -95 | --    | --    | --    |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (0)   | 1   | 1.5   | 53.31 | 50.01 | 44.73      | 54.13  |            | 54     | 54.73                     |          | 55  | 53.31 | 50.01 | 44.73 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (0)   | 1   | 4.5   | 53.76 | 50.47 | 45.19      | 54.59  |            | 55     | 55.19                     |          | 55  | 53.76 | 50.47 | 45.19 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 1.5   | 52.79 | 49.53 | 44.22      | 53.63  | 5          | 49     | 54.22                     | 5        | 49  | 52.79 | 49.53 | 44.22 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 4.5   | 53.34 | 50.08 | 44.76      | 54.17  | 5          | 49     | 54.76                     | 5        | 50  | 53.34 | 50.08 | 44.76 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (2)   | 1   | 1.5   | 25.75 | 22.71 | 17.10      | 26.60  | 5          | 22     | 27.10                     | 5        | 22  | 25.75 | 22.71 | 17.10 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (2)   | 1   | 4.5   | 26.97 | 23.90 | 18.33      | 27.82  | 5          | 23     | 28.33                     | 5        | 23  | 26.97 | 23.90 | 18.33 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (3)   | 1   | 1.5   | 43.80 | 40.16 | 35.17      | 44.54  | 5          | 40     | 45.17                     | 5        | 40  | 43.80 | 40.16 | 35.17 |  |  |  |  |
| 31                                                             | 0.0 | 0.0 Duizelseweg 2 |        | gevel |           |              |       |       | VL | (3)   | 1   | 4.5   | 43.40 | 39.75 | 34.76      | 44.13  | 5          | 39     | 44.76                     | 5        | 40  | 43.40 | 39.75 | 34.76 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (0)   | 1   | 1.5   | 53.32 | 50.05 | 44.75      | 54.15  |            | 54     | 54.75                     |          | 55  | 53.32 | 50.05 | 44.75 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (0)   | 1   | 4.5   | 54.09 | 50.82 | 45.51      | 54.92  |            | 55     | 55.51                     |          | 56  | 54.09 | 50.82 | 45.51 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 1.5   | 53.16 | 49.90 | 44.59      | 54.00  | 5          | 49     | 54.59                     | 5        | 50  | 53.16 | 49.90 | 44.59 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 4.5   | 53.96 | 50.71 | 45.39      | 54.80  | 5          | 50     | 55.39                     | 5        | 50  | 53.96 | 50.71 | 45.39 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (2)   | 1   | 1.5   | 23.51 | 20.41 | 14.88      | 24.36  | 5          | 19     | 24.88                     | 5        | 20  | 23.51 | 20.41 | 14.88 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (2)   | 1   | 4.5   | 23.47 | 20.37 | 14.84      | 24.32  | 5          | 19     | 24.84                     | 5        | 20  | 23.47 | 20.37 | 14.84 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (3)   | 1   | 1.5   | 38.78 | 35.14 | 30.15      | 39.52  | 5          | 35     | 40.15                     | 5        | 35  | 38.78 | 35.14 | 30.15 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (3)   | 1   | 4.5   | 38.54 | 34.89 | 29.90      | 39.27  | 5          | 34     | 39.90                     | 5        | 35  | 38.54 | 34.89 | 29.90 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (0)   | 1   | 1.5   | 53.32 | 50.05 | 44.75      | 54.15  |            | 54     | 54.75                     |          | 55  | 53.32 | 50.05 | 44.75 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (0)   | 1   | 4.5   | 54.09 | 50.83 | 45.52      | 54.93  |            | 55     | 55.52                     |          | 56  | 54.09 | 50.83 | 45.52 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 1.5   | 53.17 | 49.91 | 44.60      | 54.01  | 5          | 49     | 54.60                     | 5        | 50  | 53.17 | 49.91 | 44.60 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 4.5   | 53.98 | 50.72 | 45.40      | 54.81  | 5          | 50     | 55.40                     | 5        | 50  | 53.98 | 50.72 | 45.40 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (2)   | 1   | 1.5   | 23.46 | 20.37 | 14.83      | 24.31  | 5          | 19     | 24.83                     | 5        | 20  | 23.46 | 20.37 | 14.83 |  |  |  |  |
| VL                                                             | (2) | 1                 | 4.5    | 23.45 | 20.35     | 14.82        | 24.30 | 5     | 19 | 24.82 | 5   | 20    | 23.45 | 20.35 | 14.82      |        |            |        |                           |          |     |       |       |       |  |  |  |  |
| 32                                                             | 0.0 | 0.0 Duizelseweg 2 |        | gevel |           |              |       |       | VL | (3)   | 1   | 1.5   | 38.49 | 34.85 | 29.86      | 39.23  | 5          | 34     | 39.86                     | 5        | 35  | 38.49 | 34.85 | 29.86 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (3)   | 1   | 4.5   | 38.24 | 34.59 | 29.61      | 38.97  | 5          | 34     | 39.61                     | 5        | 35  | 38.24 | 34.59 | 29.61 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (0)   | 1   | 1.5   | 49.68 | 46.43 | 41.11      | 50.52  |            | 51     | 51.11                     |          | 51  | 49.68 | 46.43 | 41.11 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (0)   | 1   | 4.5   | 50.57 | 47.32 | 42.00      | 51.41  |            | 51     | 52.00                     |          | 52  | 50.57 | 47.32 | 42.00 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 1.5   | 49.68 | 46.43 | 41.11      | 50.52  | 5          | 46     | 51.11                     | 5        | 46  | 49.68 | 46.43 | 41.11 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 4.5   | 50.57 | 47.32 | 42.00      | 51.41  | 5          | 46     | 52.00                     | 5        | 47  | 50.57 | 47.32 | 42.00 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (2)   | 1   | 1.5   | --    | --    | --         | -99.00 | 5          | -104   | -89.90                    | 5        | -95 | --    | --    | --    |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (2)   | 1   | 4.5   | --    | --    | --         | -99.00 | 5          | -104   | -89.90                    | 5        | -95 | --    | --    | --    |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (3)   | 1   | 1.5   | --    | --    | --         | -99.00 | 5          | -104   | -89.90                    | 5        | -95 | --    | --    | --    |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (3)   | 1   | 4.5   | --    | --    | --         | -99.00 | 5          | -104   | -89.90                    | 5        | -95 | --    | --    | --    |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (0)   | 1   | 1.5   | 49.29 | 46.00 | 40.71      | 50.12  |            | 50     | 50.71                     |          | 51  | 49.29 | 46.00 | 40.71 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (0)   | 1   | 4.5   | 50.90 | 47.62 | 42.33      | 51.73  |            | 52     | 52.33                     |          | 52  | 50.90 | 47.62 | 42.33 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 1.5   | 48.90 | 45.65 | 40.33      | 49.74  | 5          | 45     | 50.33                     | 5        | 45  | 48.90 | 45.65 | 40.33 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (1)   | 1   | 4.5   | 50.63 | 47.38 | 42.06      | 51.47  | 5          | 46     | 52.06                     | 5        | 47  | 50.63 | 47.38 | 42.06 |  |  |  |  |
| VL                                                             | (2) | 1                 | 1.5    | 13.79 | 10.77     | 5.11         | 14.63 | 5     | 10 | 15.11 | 5   | 10    | 13.79 | 10.77 | 5.11       |        |            |        |                           |          |     |       |       |       |  |  |  |  |
| VL                                                             | (2) | 1                 | 4.5    | 21.96 | 19.05     | 13.27        | 22.82 | 5     | 18 | 23.27 | 5   | 18    | 21.96 | 19.05 | 13.27      |        |            |        |                           |          |     |       |       |       |  |  |  |  |
| 33                                                             | 0.0 | 0.0 Duizelseweg 2 |        | gevel |           |              |       |       | VL | (3)   | 1   | 1.5   | 38.53 | 34.87 | 29.90      | 39.26  | 5          | 34     | 39.90                     | 5        | 35  | 38.53 | 34.87 | 29.90 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       | VL | (3)   | 1   | 4.5   | 38.55 | 34.90 | 29.92      | 39.28  | 5          | 34     | 39.92                     | 5        | 35  | 38.55 | 34.90 | 29.92 |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
| 34                                                             | 0.0 | 0.0 Duizelseweg 2 |        | gevel |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |
|                                                                |     |                   |        |       |           |              |       |       |    |       |     |       |       |       |            |        |            |        |                           |          |     |       |       |       |  |  |  |  |

## Rijlijnen

| nr | z.gem | lengte | wegdek             | hellingcor. groep | omschrijving        | kenmerk | art 110g | etm.intens. | %periode                            | Intensiteiten |       |        |       | snelheden |       |        |       |       |
|----|-------|--------|--------------------|-------------------|---------------------|---------|----------|-------------|-------------------------------------|---------------|-------|--------|-------|-----------|-------|--------|-------|-------|
|    |       |        |                    |                   |                     |         |          |             |                                     | %             | licht | middel | zwaar | motor     | licht | middel | zwaar | motor |
| 1  | 0.0   | 180    | 01 glad asfalt/DAB | (2)               | Hoef - deel 1       |         | vlicht   | 3430.0      | <input checked="" type="checkbox"/> | dag           | 6.51  | 95.11  | 3.76  | 1.12      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | avond         | 3.72  | 96.34  | 3.04  | .62       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | nacht         | .87   | 94.86  | 4.52  | .62       | 60    | 60     | 60    |       |
| 2  | 0.0   | 123    | 01 glad asfalt/DAB | (2)               | Hoef - deel 2       |         | vlicht   | 4266.0      | <input checked="" type="checkbox"/> | dag           | 6.66  | 92.89  | 6.47  | .64       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | avond         | 3.18  | 95.05  | 4.01  | .94       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | nacht         | .92   | 93.19  | 5.65  | 1.16      | 60    | 60     | 60    |       |
| 3  | 0.0   | 666    | 01 glad asfalt/DAB | (1)               | Knegselsedijk - dee |         | vlicht   | 4056.0      | <input checked="" type="checkbox"/> | dag           | 6.66  | 91.72  | 7.54  | .75       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | avond         | 3.17  | 94.21  | 4.69  | 1.10      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | nacht         | .92   | 92.06  | 6.59  | 1.35      | 60    | 60     | 60    |       |
| 4  | 0.0   | 308    | 01 glad asfalt/DAB | (1)               | Knegselsedijk - dee |         | vlicht   | 4117.0      | <input checked="" type="checkbox"/> | dag           | 6.67  | 91.39  | 7.83  | .77       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | avond         | 3.16  | 93.97  | 4.88  | 1.15      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | nacht         | .92   | 91.75  | 6.85  | 1.40      | 60    | 60     | 60    |       |
| 5  | 0.0   | 104    | 75 sma-nl8 CROW316 | (3)               | Steenovens - deel 1 |         | vlicht   | 4268.0      | <input checked="" type="checkbox"/> | dag           | 6.67  | 91.42  | 6.69  | 1.89      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | avond         | 3.16  | 93.99  | 4.62  | 1.38      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | nacht         | .92   | 91.77  | 6.25  | 1.97      | 60    | 60     | 60    |       |
| 6  | 0.0   | 285    | 75 sma-nl8 CROW316 | (3)               | Steenovens - deel 2 |         | vlicht   | 4690.0      | <input checked="" type="checkbox"/> | dag           | 6.68  | 86.96  | 10.17 | 2.87      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | avond         | 3.12  | 90.73  | 7.14  | 2.13      | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | nacht         | .92   | 87.47  | 9.53  | 3.01      | 60    | 60     | 60    |       |
| 7  | 0.0   | 803    | 01 glad asfalt/DAB | (1)               | Knegselsedijk - dee |         | vlicht   | 1122.0      | <input checked="" type="checkbox"/> | dag           | 6.65  | 95.77  | 3.85  | .38       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | avond         | 3.20  | 97.08  | 2.37  | .55       | 60    | 60     | 60    |       |
|    |       |        |                    |                   |                     |         |          |             |                                     | nacht         | .92   | 95.95  | 3.36  | .69       | 60    | 60     | 60    |       |