

**Akoestisch onderzoek wegverkeerslawaaï**  
**De Nieuwpoort te Alkmaar**



**BügelHajema**  
Plek voor ideeën

**Akoestisch onderzoek wegverkeerslawaai**  
**De Nieuwpoort te Alkmaar**

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Ideeën voor een plek

# Overzichtskaart



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# Inleiding



Woningcorporatie Van Alckmaer voor Wonen (hierna Van Alckmaer) wil aan de zuidelijke stadsrand van Alkmaar op de locatie van woon- en zorgcentrum De Nieuwpoort 29 woningen slopen en circa 67 nieuwe appartementen realiseren. Fooq heeft aan BügelHajema Adviseurs BV opdracht verstrekt om het akoestisch onderzoek voor dit project uit te voeren.

Een akoestisch onderzoek is op grond van de Wet geluidhinder noodzakelijk wanneer een woning of een geluidgevoelig object gelegen is binnen een door deze wet aangewezen geluidzone. De nieuw te bouwen woningen bevindt zich binnen de geluidzone van de N9 en de Vondelstraat.

Doel van het onderzoek is het bepalen van de geluidbelasting op de woonbestemming en deze te toetsen aan de Wet geluidhinder. Daarnaast wordt in het kader van een goede ruimtelijke ordening ook de geluidbelasting beoordeeld als gevolg van het gecumuleerd wegverkeerslawaai. In dit verband worden ook de relevante niet gezoneerde wegen bij het onderzoek betrokken.

Toetsing van de karakteristieke geluidwering valt buiten het kader van dit onderzoek.

# Planontwikkeling

## 2

Het initiatief heeft betrekking op de locatie op de hoek van de Frederik Hendriklaan/Prins Alexanderstraat te Alkmaar. In de navolgende figuur is de ligging van deze locatie weergegeven. Op het terrein wordt woningbouw mogelijk gemaakt. Daarbij wordt uitgegaan van 67 woningen.



Figuur 1 ligging plangebied

# Wet geluidhinder en gemeentelijk geluidbeleid



## 3.1

### **Wet geluidhinder**

Binnen het plangebied is sprake van een wettelijke geluidszone vanwege wegverkeerslawaaï. Binnen geluidszones verplicht de Wet geluidhinder aandacht te besteden aan de geluidssituatie door middel van akoestisch onderzoek.

Voor de beoordeling van weg- en railverkeerslawaaï geldt de Europese dosismaat L day-evening-night (Lden). In de Wet geluidhinder wordt Lden aangegeven in decibel (dB). Deze dosismaat is A-gewogen, wat inhoudt dat er rekening wordt gehouden met de gevoeligheid van het menselijk oor. De geluidsbelasting in Lden is het gemiddelde over de dag-, avond- en nachtperiode.

De berekende geluidsniveaus worden afgerond naar het dichtstbijzijnde gehele getal, waarbij een halve eenheid wordt afgerond naar het dichtstbijzijnde even getal zoals aangegeven in artikel 1.3.1 van het RMG.

Volgens de Wet geluidhinder bevindt zich aan weerszijden van elke weg een geluidzone, waarvan de breedte afhankelijk is van het aantal rijstroken van de weg en de aard van de omgeving (stedelijk of buitenstedelijk gebied). Binnen deze zone gelden de grenswaarden van de Wet geluidhinder.

## 3.2

### **Wegverkeerslawaaï**

#### 3.2.1

#### **Zones**

De Wet geluidhinder (Wgh) richt zich wat betreft wegverkeerslawaaï op de zogenaamde zoneringsplichtige wegen. In principe zijn alle wegen zoneringsplichtig behalve:

- wegen die deel uitmaken van een woonerf (art. 74.2a);
- wegen waarvoor een maximumsnelheid van 30 km/uur geldt (art. 74. 2b).

Langs zoneringsplichtige wegen is een geluidszone gelegen waarvan de breedte wordt bepaald door het aantal rijstroken alsmede de ligging in stedelijk of buitenstedelijk gebied conform artikel 74 van de Wet geluidhinder. Indien

wordt gebouwd binnen de geluidszone, verplicht de Wet geluidhinder door middel van akoestisch onderzoek aandacht te besteden aan de geluidssituatie.

Het stedelijk gebied wordt gedefinieerd als:

het gebied binnen de bebouwde kom, doch, voor de toepassing van hoofdstukken VI (zones langs wegen) en VII (zones langs spoorwegen) voor zover het betreft een autoweg of autosnelweg als bedoeld in het Reglement verkeersregels en verkeerstekens 1990, met uitzondering van het gebied binnen de bebouwde kom, voor zover liggend binnen de zone langs die autoweg of autosnelweg.

Het buitenstedelijk gebied wordt gedefinieerd als:

het gebied buiten de bebouwde kom alsmede, voor de toepassing van hoofdstukken VI (zones langs wegen) en VII (zones langs spoorwegen) voor zover het betreft een autoweg of autosnelweg als bedoeld in het Reglement verkeersregels en verkeerstekens 1990, het gebied binnen de bebouwde kom, voor zover liggend binnen de zone langs die autoweg of autosnelweg.

In onderstaande tabel zijn de zonebreedtes opgenomen.

Tabel 3.2.11 - Zonebreedtes wegverkeer

| Aard gebied     | Aantal rijstroken | Zonebreedte ter weerszijden van de weg |
|-----------------|-------------------|----------------------------------------|
| Stedelijk       | 1 of 2            | 200 m                                  |
|                 | 3 of meer         | 350 m                                  |
| Buitenstedelijk | 1 of 2            | 250 m                                  |
|                 | 3 of 4            | 400 m                                  |
|                 | 5 of meer         | 600 m                                  |

De N9 kent ter plaatse van de nieuwbouwlocatie een grotendeels een maximum snelheid van 70 km/uur. De wettelijke zone voor deze weg bedraagt 400 meter.

De Vondelstraat kent ter plaatse van de nieuwbouwlocatie een maximum snelheid van 50 km/uur. De wettelijke zone voor deze weg bedraagt 350 meter.

Voor de Frederik Hendriklaan, Prins Alexanderstraat en Albertina Agnesstraat geldt een maximale rijsnelheid van 30 km/uur. Ondanks het feit dat er geen sprake is van een geluidzone langs deze weg, is in het voorliggende onderzoek de geluidbelasting ten gevolge van deze wegen toch berekend. Dit omdat ter plaatse van de voorgenoemde locatie deze wegen toch een zekere verkeersfunctie kennen.

### 3.2.2

#### **Normstelling en ontheffing**

Voor nieuwe geluidgevoelige bebouwing geldt dat sprake is van een nieuwe situatie en zijn de artikelen 76 tot en met 85 van de Wet geluidhinder van toepassing. De ten hoogste toelaatbare geluidsbelasting bedraagt 48 dB op grond van artikel 82. Dit betekent dat bij geluidsbelastingen van 48 dB of lager zonder beperkingen ten aanzien van geluid gebouwd mag worden (art. 82.1 Wgh). Deze waarde geldt eveneens voor vervangende nieuwbouw.



Indien nieuwe geluidsgevoelige bestemmingen kunnen worden blootgesteld aan een geluidsbelasting hoger dan 48 dB, is het noodzakelijk dat een verzoek tot het mogen toestaan van een hogere waarde wordt ingediend. De maximale ontheffingsgrenswaarde voor nog te realiseren geluidsgevoelige bebouwing gelegen in buitenstedelijk gebied bedraagt 53 dB. In binnenstedelijk gebied bedraagt deze waarde 63 dB. De locatie is buitenstedelijk gelegen wat betreft de N9 en binnenstedelijk gelegen wat betreft de Vondelstraat.

Bij een eventuele ontheffing moeten de mogelijkheden tot het treffen van maatregelen worden onderzocht en afgewogen. Bij de afweging van de te treffen maatregelen moet rekening worden gehouden met de noodzaak van een veilige verkeersafwikkeling. Ook moet rekening worden gehouden met de inpasbaarheid van de maatregelen in het landschap en de kosten van de maatregelen. Bovendien moeten te plaatsen geluid beperkende voorzieningen voldoende doelmatig zijn (art. 110a lid 5 Wgh).

Indien eerdergenoemde maatregelen onvoldoende uitkomst bieden, dient via een ontheffingsverzoek aan B&W een hogere waarde te worden vastgesteld. Voor nieuw te bouwen geluidgevoelige bebouwing waar een dergelijke ontheffing wordt verleend, dient het binnenklimaat te worden beschermd. De geluidswering van de uitwendige scheidingsconstructie dient hierop te zijn afgestemd.

### **3.2.3**

#### **B e o o r d e l i n g**

De beoordeling van de geluidssituatie vindt afzonderlijk plaats voor de onderscheidbare zoneringsplichtige wegen.

Met het oog op de verwachting dat de geluidsproductie van motorvoertuigen in de toekomst zal afnemen door technische ontwikkelingen en aanscherping van typekeuringen, mag een aftrek worden gehanteerd op de berekende geluidsbelastingen alvorens deze aan de wettelijke grenswaarden worden getoetst (art. 110g Wgh). De aftrek bedraagt over het algemeen:

- 2 dB voor wegen waarvoor de representatief te achten snelheid van lichte motorvoertuigen 70 km/uur of hoger is.
- 5 dB voor wegen waarvoor de representatief te achten snelheid van lichte motorvoertuigen minder dan 70 km/uur is.

Bij toetsing van het binnenniveau van geluidgevoelige bebouwing moet worden gerekend met een gevelbelasting zonder aftrek conform artikel 110g van de Wet geluidhinder.

Voor de beoordeling van de 30 km/uur wegen in het kader van een goede ruimtelijke onderbouwing is ook rekening gehouden met een aftrek van 5 dB. Dit omdat, bij lagere rijsnelheden, de invloed van stillere hybride en elektrisch aangedreven auto's het grootst is op de totale geluidemissie van de weg. Ver-

der blijkt uit diverse onderzoeken<sup>1</sup> dat bij rustig rijdend verkeer (dus niet versnellend naar 50 km/uur of meer) bij een snelheid van 30 km/uur het rolgeluid van de banden dominant is, net als bij gezoneerde wegen uit de Wet geluidshinder.

### **3.3**

#### **Cumulatie**

Cumulatie van meerdere geluidsbronnen mag niet leiden tot een onaanvaardbare situatie (art 110f Wgh). Het RMG 2012 geeft in hoofdstuk 2 van bijlage 1 aan dat er alleen sprake kan zijn van cumulatie indien de ten hoogste toelaatbare waarde van meerdere bronnen wordt overschreden. Voorgeschreven wordt verder dat moet worden aangegeven op welke wijze rekening is gehouden met samenhang bij de te treffen maatregelen. Hiermee wordt rekening gehouden in die zin dat de cumulatie wordt betrokken bij het beoordelen van de gevelwering van de geluidgevoelige bebouwing.

### **3.4**

#### **Binnenwaarden**

Indien geen of onvoldoende maatregelen ter beperking van de gevelbelasting (kunnen) worden getroffen, dient het binnenklimaat te worden beschermd. De geluidswering van de uitwendige scheidingsconstructie dient hierop te zijn afgestemd. Voor geluidgevoelige bebouwing is dit geregeld in het Bouwbesluit. De karakteristieke geluidswering van een uitwendige scheidingsconstructie die de scheiding vormt tussen een verblijfsgebied en de buitenlucht moet, ter beperking van geluidshinder in het verblijfsgebied, tenminste gelijk zijn aan het verschil tussen de geluidsbelasting van die uitwendige scheidingsconstructie en 33 dB (wegverkeerslawaaai).

Gevels die geen te openen delen bevatten, zijn niet geluidgevoelig en worden dove gevels genoemd. Voor dergelijke gevels hoeft geen hogere waarde te worden vastgesteld. Wel moet bij de bouw de geluidswering van de gevels zodanig zijn dat de wettelijke maximale binnenwaarden worden gerespecteerd.

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<sup>1</sup> Zie o.a. "Praktijkreeks Geluid en Omgeving - Wegverkeerslawaaai, Auteurs: W. Schoonderbeek, C. Padmos en H. van Leeuwen, Sdu-uitgevers, Den Haag 2014" waar op pagina 53, tabel 3.2 staat dat het omslagpunt waarbij rolgeluid dominant wordt, optreedt bij een snelheid van 15 tot 25 km/uur bij personenwagens. Dit is gebaseerd op meerdere onderzoeken.

# Uitgangspunten

# 4

## 4.1

### Fysieke gegevens

Ten behoeve van het onderhavige onderzoek is gebruik gemaakt van door de opdrachtgever en de gemeente Alkmaar verstrekte ondergronden. De overige ten behoeve van de modellering benodigde gegevens met betrekking tot terreingesteldheid en gebouwen zijn met behulp van Google Streetview geïnventariseerd dan wel door opdrachtgever aangeleverd.

## 4.2

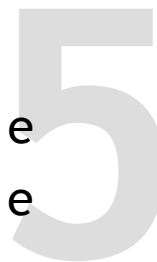
### Wegverkeersgegevens

De wet- en regelgeving rond spoorwegen en rijkswegen is in 2012 gewijzigd met de komst van Swung I (Wet milieubeheer hoofdstuk 11 Geluid). Als gevolg hiervan is een geluidregister opgesteld. In dit register zijn onder andere de brongegevens van rijkswegen opgenomen (intensiteit, samenstelling verkeer, verdeling verkeer over het etmaal, type wegdek, hoogte aanwezige schermen). Bij het uitvoeren van akoestische berekeningen dienen deze brongegevens gebruikt te worden. Wat betreft de N9 rekening moet met deze gegevens rekening worden gehouden. Van de overige wegen zijn de gegevens van de gemeente Alkmaar verkregen.

Tabel 1 - Verkeersgegevens

| ken-merk | omschrijving         | obj.id | wegdek        | snelheid<br>km/u | etm.<br>int. | uurpercentage |       |       | samenstelling verkeer (%) |      |      |              |      |      |              |      |      |
|----------|----------------------|--------|---------------|------------------|--------------|---------------|-------|-------|---------------------------|------|------|--------------|------|------|--------------|------|------|
|          |                      |        |               |                  |              | dag           | avond | nacht | dagperiode                |      |      | avondperiode |      |      | nachtperiode |      |      |
|          |                      |        |               |                  |              |               |       |       | li                        | mz   | zw   | li           | mz   | zw   | li           | mz   | zw   |
| 1.1      | Fred. Hendriklaan    |        | DAB           | 30               | 1100         | 6.8           | 3.2   | 0.7   | 97                        | 1.5  | 1.5  | 97           | 1.5  | 1.5  | 97           | 1.5  | 1.5  |
| 2.1      | Alb. Agnesstraat     |        | DAB           | 30               | 2700         | 6.8           | 3.2   | 0.7   | 97                        | 1.5  | 1.5  | 97           | 1.5  | 1.5  | 97           | 1.5  | 1.5  |
| 3.1      | Pr. Alexanderstraat  |        | DAB           | 30               | 1100         | 6.8           | 3.2   | 0.7   | 97                        | 1.5  | 1.5  | 97           | 1.5  | 1.5  | 97           | 1.5  | 1.5  |
| 4.1      | N9 west. richting    | 28656  | Dunne dekl. A | 70               | 26127        | 6.42          | 3.55  | 1.1   | 93.9                      | 3.64 | 2.49 | 96.3         | 1.6  | 2.15 | 91.7         | 3.37 | 4.89 |
| 4.2      | N9 west. richting    | 25546  | DAB           | 70               | 26127        | 6.42          | 3.55  | 1.1   | 93.9                      | 3.64 | 2.49 | 96.3         | 1.6  | 2.15 | 91.7         | 3.37 | 4.89 |
| 5.1      | N9 oost. richting    | 11457  | enkell. ZOAB  | 70               | 27023        | 6.24          | 3.05  | 1.61  | 93.5                      | 3.66 | 2.89 | 95.8         | 1.71 | 2.46 | 93.5         | 3.49 | 2.98 |
| 5.2      | N9 oost. richting    | 25132  | DAB           | 70               | 27023        | 6.24          | 3.05  | 1.61  | 93.5                      | 3.66 | 2.89 | 95.8         | 1.71 | 2.46 | 93.5         | 3.49 | 2.98 |
| 6.1      | rotonde zuid         | 30880  | DAB           | 50               | 10623        | 6.34          | 3.35  | 1.32  | 93.4                      | 3.07 | 3.49 | 92.8         | 2.92 | 4.33 | 94.5         | 1.85 | 3.64 |
| 6.2      | rotonde oost         | 21907  | DAB           | 50               | 23272        | 6.37          | 3.66  | 1.12  | 95.9                      | 3.05 | 1.08 | 97.6         | 1.89 | 0.53 | 93.5         | 3.11 | 3.38 |
| 6.3      | rotonde noord        | 4944   | DAB           | 50               | 22708        | 7.11          | 1.22  | 1.22  | 93.2                      | 4.09 | 2.76 | 95.9         | 1.74 | 2.35 | 90.6         | 3.84 | 5.53 |
| 6.4      | rotonde west         | 31232  | DAB           | 50               | 5178         | 6.05          | 3.08  | 1.89  | 97.4                      | 1.19 | 1.44 | 98.5         | 0.43 | 1.12 | 97           | 1.47 | 1.51 |
| 7.1      | N9 zuid. richting    | 17263  | enkell. ZOAB  | 65               | 29096        | 6.27          | 3.00  | 1.59  | 93                        | 4.82 | 2.19 | 96.9         | 2.06 | 1.03 | 93.1         | 4.97 | 1.94 |
| 8.1      | N9 noord. richting   | 36596  | DAB           | 50               | 25108        | 6.44          | 3.70  | 0.99  | 92.1                      | 4.76 | 3.15 | 96.3         | 1.94 | 1.72 | 88.4         | 3.61 | 8.03 |
| 9.1      | Vondellaan zuid. ri. |        | DAB           | 65               | 10150        | 6.5           | 2.85  | 1.39  | 97                        | 1.5  | 1.5  | 97           | 1.5  | 1.5  | 97           | 1.5  | 1.5  |
| 9.2      | Vondellaan nrd. ri.  |        | DAB           | 50               | 10150        | 6.5           | 2.85  | 1.39  | 97                        | 1.5  | 1.5  | 97           | 1.5  | 1.5  | 97           | 1.5  | 1.5  |

# Toegepaste Rekenmethode



Akoestisch onderzoek in het kader van de Wet geluidhinder dient plaats te vinden overeenkomstig het RMG 2012, de regeling als bedoeld in artikel 110d en e (Wgh). Bijlage III bij dit voorschrift geeft twee rekenmethoden weer:

- Standaard Rekenmethode I, gebaseerd op een vereenvoudiging van de situatie waarbij de weg bij benadering recht is en de invoergegevens zoals de verkeersintensiteiten en de hoogteverschillen in de weg geen belangrijke variaties vertonen.
- Standaard Rekenmethode II, bedoeld voor de meer complexe situaties die niet voldoen aan de randvoorwaarden voor de Standaard Rekenmethode I.

De onderhavige situatie is te complex om met rekenmethode I te kunnen berekenen. Dit maakt het gebruik van Standaard Rekenmethode II noodzakelijk.

Voor het uitvoeren van de methode II berekeningen van het wegverkeer is gebruik gemaakt van het computerprogramma Winhavig versie 8.51. Hiertoe is de situatie gedigitaliseerd. In het invoermodel worden rijlijnen ingebracht, reflecterende bodemgebieden, hoogtelijnen, gebouwen en eventueel schermen. De rijstroken zelf, de zijwegen, waterpartijen en andere verharde oppervlakken zijn beschouwd als reflecterende bodemgebieden, de overige gebieden als absorberend.

De aftrek op grond van artikel 110g Wgh en het Europees bronbeleid op de berekende geluidsbelasting is in het rekenmodel verdisconteerd in de groepsreductie. Op de gevel van de betreffende geluidgevoelige bebouwing liggen de waarneempunten op verschillende hoogten (1,5, 4,5, 7,5 en 10,5 meter boven maaiveld), afhankelijk van de hoogte en locatie van het betreffende gebouw.

De invoergegevens van het opgestelde Standaard Rekenmethode II rekenmodel alsmede de grafische weergaven daarvan zijn als bijlagen bij dit onderzoek toegevoegd. De rekenresultaten worden besproken in hoofdstuk 6.

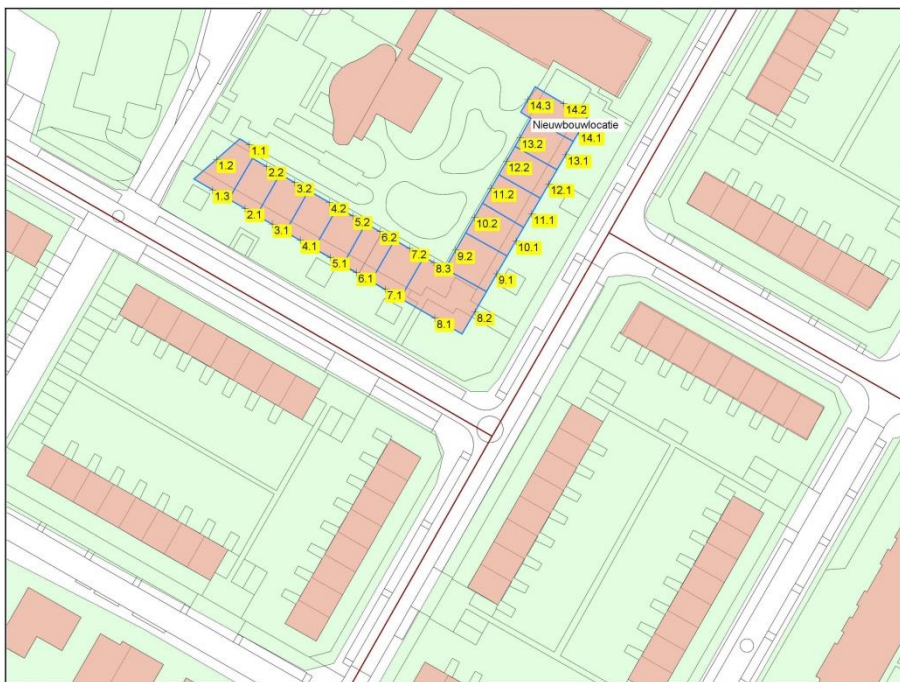
# Berekeningen

# 6

## 6.1

### Geluidsbelasting

De berekende geluidbelasting op de gevels van de betreffende appartementen vanwege het wegverkeer is weergegeven in bijlage 1 en in onderstaande afbeelding en tabel. De geluidsbelastingen in de onderstaande tabellen zijn inclusief de aftrek op grond van artikel 110g Wgh.



Waarneempunten

Tabel 6.1 - Geluidsbelasting vanwege de N9 in dB incl. aftrek ogv. art. 110g Wgh

| waarneem-<br>punt | 1.5m | 4.5m | 7.5m | 10.5m |
|-------------------|------|------|------|-------|
| 1.1               | 30   | 33   | 35   | 31    |
| 1.2               | 35   | 38   | 41   | 45    |
| 1.3               | 39   | 42   | 45   | 48    |
| 2.1               | 39   | 42   | 45   | 49    |
| 2.2               | 29   | 31   | 33   | 33    |
| 3.1               | 39   | 42   | 45   | 49    |
| 3.2               | 28   | 30   | 32   | 34    |
| 4.1               | 39   | 42   | 45   | 49    |
| 4.2               | 30   | 32   | 34   | 35    |
| 5.1               | 39   | 42   | 45   | 49    |
| 5.2               | 29   | 31   | 33   | 33    |
| 6.1               | 39   | 42   | 45   | 49    |
| 6.2               | 29   | 30   | 31   | 33    |
| 7.1               | 39   | 43   | 46   | 49    |
| 7.2               | 28   | 29   | 31   | 34    |
| 8.1               | 39   | 42   | 45   | 49    |
| 8.2               | 38   | 41   | 44   | 48    |
| 8.3               | 29   | 30   | 31   | 34    |
| 9.1               | 37   | 40   | 42   | nvt   |
| 9.2               | 31   | 32   | 33   | nvt   |
| 10.1              | 37   | 40   | 42   | nvt   |
| 10.2              | 31   | 33   | 35   | nvt   |
| 11.1              | 36   | 39   | 41   | nvt   |
| 11.2              | 32   | 34   | 36   | nvt   |
| 12.1              | 36   | 39   | 41   | nvt   |
| 12.2              | 33   | 36   | 38   | nvt   |
| 13.1              | 36   | 39   | 41   | nvt   |
| 13.2              | 34   | 37   | 39   | nvt   |
| 14.1              | 36   | 39   | 41   | nvt   |
| 14.2              | 34   | 36   | 38   | nvt   |
| 14.3              | 35   | 38   | 41   | nvt   |

Tabel 6.2 - Geluidsbelasting vanwege de Vondellaan in dB incl. aftrek ogv. art. 110g Wgh

| waarneem-<br>punt | 1.5m | 4.5m | 7.5m | 10.5m |
|-------------------|------|------|------|-------|
| 1.1               | 22   | 26   | 30   | 36    |
| 1.2               | --   | --   | --   | --    |
| 1.3               | 23   | 25   | 28   | 32    |
| 2.1               | 24   | 25   | 27   | 31    |
| 2.2               | 24   | 27   | 31   | 37    |
| 3.1               | 23   | 24   | 27   | 30    |
| 3.2               | 23   | 26   | 30   | 37    |
| 4.1               | 23   | 23   | 25   | 29    |
| 4.2               | 22   | 25   | 30   | 37    |
| 5.1               | 23   | 25   | 28   | 31    |
| 5.2               | 21   | 24   | 30   | 38    |
| 6.1               | 23   | 25   | 28   | 31    |
| 6.2               | 21   | 25   | 30   | 38    |
| 7.1               | 23   | 26   | 30   | 31    |
| 7.2               | 23   | 25   | 28   | 38    |
| 8.1               | 24   | 26   | 31   | 34    |
| 8.2               | 26   | 29   | 33   | 41    |
| 8.3               | 22   | 24   | 26   | 39    |
| 9.1               | 32   | 33   | 35   | nvt   |
| 9.2               | 22   | 24   | 18   | nvt   |
| 10.1              | 37   | 37   | 38   | nvt   |
| 10.2              | 23   | 23   | --   | nvt   |
| 11.1              | 39   | 39   | 39   | nvt   |
| 11.2              | 23   | 22   | --   | nvt   |
| 12.1              | 39   | 39   | 40   | nvt   |
| 12.2              | 23   | 21   | --   | nvt   |
| 13.1              | 40   | 40   | 40   | nvt   |
| 13.2              | 22   | 19   | 8    | nvt   |
| 14.1              | 39   | 40   | 40   | nvt   |
| 14.2              | 36   | 35   | 36   | nvt   |
| 14.3              | 28   | 17   | 4    | nvt   |

Tabel 6.3 - Geluidsbelasting vanwege de P. Alexanderstr. in dB incl. aftrek ogv. art. 110g Wgh

| waarneem-<br>punt | 1.5m | waarneemhoogte |      |       |
|-------------------|------|----------------|------|-------|
|                   |      | 4.5m           | 7.5m | 10.5m |
| 1.1               | 23   | 24             | 3    | --    |
| 1.2               | 38   | 39             | 39   | 39    |
| 1.3               | 45   | 45             | 45   | 45    |
| 2.1               | 45   | 45             | 45   | 45    |
| 2.2               | 18   | 19             | 3    | 1     |
| 3.1               | 45   | 45             | 45   | 45    |
| 3.2               | 5    | 4              | 5    | 3     |
| 4.1               | 44   | 45             | 45   | 45    |
| 4.2               | 17   | 17             | 4    | 4     |
| 5.1               | 44   | 45             | 45   | 45    |
| 5.2               | 6    | 4              | 5    | 5     |
| 6.1               | 44   | 45             | 45   | 45    |
| 6.2               | 7    | 11             | 12   | 13    |
| 7.1               | 44   | 45             | 45   | 45    |
| 7.2               | 8    | 13             | 15   | 16    |
| 8.1               | 44   | 44             | 44   | 44    |
| 8.2               | 37   | 38             | 38   | 38    |
| 8.3               | 17   | 19             | 20   | 19    |
| 9.1               | 33   | 35             | 35   | nvt   |
| 9.2               | 15   | 19             | 20   | nvt   |
| 10.1              | 30   | 32             | 32   | nvt   |
| 10.2              | 15   | 19             | 21   | nvt   |
| 11.1              | 29   | 31             | 31   | nvt   |
| 11.2              | 19   | 22             | 23   | nvt   |
| 12.1              | 27   | 29             | 29   | nvt   |
| 12.2              | 16   | 21             | 24   | nvt   |
| 13.1              | 27   | 28             | 29   | nvt   |
| 13.2              | 15   | 20             | 25   | nvt   |
| 14.1              | 27   | 28             | 29   | nvt   |
| 14.2              | 8    | 11             | 19   | nvt   |
| 14.3              | 15   | 19             | 26   | nvt   |



Tabel 6.4 - Geluidsbelasting vanwege de F. Hendrikln in dB incl. aftrek ogv. art. 110g Wgh

| waarneem-<br>punt | waarneemhoogte |      |      |       |
|-------------------|----------------|------|------|-------|
|                   | 1.5m           | 4.5m | 7.5m | 10.5m |
| 1.1               | 12             | 14   | 17   | 20    |
| 1.2               | --             | --   | --   | --    |
| 1.3               | 29             | 29   | 31   | 31    |
| 2.1               | 29             | 30   | 31   | 32    |
| 2.2               | 13             | 14   | 16   | 19    |
| 3.1               | 30             | 31   | 32   | 33    |
| 3.2               | 13             | 15   | 17   | 19    |
| 4.1               | 31             | 32   | 33   | 33    |
| 4.2               | 13             | 15   | 18   | 20    |
| 5.1               | 32             | 34   | 35   | 35    |
| 5.2               | 14             | 16   | 18   | 21    |
| 6.1               | 33             | 35   | 36   | 36    |
| 6.2               | 15             | 17   | 19   | 22    |
| 7.1               | 35             | 37   | 37   | 37    |
| 7.2               | 15             | 17   | 20   | 24    |
| 8.1               | 39             | 40   | 40   | 40    |
| 8.2               | 44             | 45   | 45   | 44    |
| 8.3               | 14             | 16   | 21   | 26    |
| 9.1               | 44             | 44   | 44   | nvt   |
| 9.2               | 9              | 8    | 9    | nvt   |
| 10.1              | 44             | 44   | 45   | nvt   |
| 10.2              | 9              | 7    | 9    | nvt   |
| 11.1              | 44             | 44   | 44   | nvt   |
| 11.2              | 9              | 7    | 9    | nvt   |
| 12.1              | 44             | 44   | 44   | nvt   |
| 12.2              | 10             | 7    | 10   | nvt   |
| 13.1              | 44             | 44   | 44   | nvt   |
| 13.2              | 14             | 6    | 9    | nvt   |
| 14.1              | 44             | 44   | 44   | nvt   |
| 14.2              | 37             | 38   | 38   | nvt   |
| 14.3              | 17             | 5    | 8    | nvt   |

Tabel 6.5 - Geluidsbelasting vanwege de Alb. Agnesstr. in dB incl. aftrek ogv. art. 110g Wgh

| waarneem-<br>punt | 1.5m | 4.5m | 7.5m | 10.5m |
|-------------------|------|------|------|-------|
| 1.1               | 15   | 17   | 21   | 24    |
| 1.2               | --   | --   | --   | --    |
| 1.3               | 9    | 9    | 11   | 17    |
| 2.1               | 18   | 18   | 19   | 20    |
| 2.2               | 15   | 17   | 20   | 23    |
| 3.1               | 21   | 21   | 22   | 22    |
| 3.2               | 15   | 17   | 20   | 24    |
| 4.1               | 8    | 7    | 9    | 11    |
| 4.2               | 15   | 18   | 21   | 25    |
| 5.1               | 7    | 7    | 8    | 9     |
| 5.2               | 15   | 18   | 22   | 26    |
| 6.1               | 8    | 7    | 8    | 9     |
| 6.2               | 15   | 18   | 22   | 28    |
| 7.1               | 9    | 8    | 9    | 10    |
| 7.2               | 15   | 18   | 23   | 29    |
| 8.1               | 26   | 26   | 27   | 28    |
| 8.2               | 37   | 39   | 39   | 39    |
| 8.3               | 14   | 16   | 22   | 31    |
| 9.1               | 39   | 41   | 41   | nvt   |
| 9.2               | 9    | 11   | 12   | nvt   |
| 10.1              | 42   | 43   | 43   | nvt   |
| 10.2              | 14   | 15   | 13   | nvt   |
| 11.1              | 43   | 44   | 44   | nvt   |
| 11.2              | 14   | 17   | -99  | nvt   |
| 12.1              | 44   | 44   | 45   | nvt   |
| 12.2              | 15   | -99  | -99  | nvt   |
| 13.1              | 43   | 44   | 44   | nvt   |
| 13.2              | 16   | 15   | 11   | nvt   |
| 14.1              | 41   | 43   | 43   | nvt   |
| 14.2              | 32   | 34   | 34   | nvt   |
| 14.3              | 12   | --   | --   | nvt   |

## 6.2

### Conclusie geluidsberekeningen

Een deel van de nieuwbouwlocatie voldoet niet aan de wettelijke voorkeursgrenswaarde van 48 dB doch overschrijdt de maximale ontheffingswaarde van 53 dB niet. Het betreft hier de hoogste bouwlaag die aan de zuidzijde een te hoge geluidsbelasting vanwege de N9 kennen (waarneempunten 2.1, 3.1, 4.1, 5.1, 6.1, 7.1 en 8.1). Voor deze appartementen dient een hogere waarde bij het College van Burgemeester en Wethouders van de gemeente Alkmaar te worden aangevraagd. Mogelijk zijn daar wel geluidsisolerende maatregelen aan de betreffende gevels van de geluidgevoelige bebouwing nodig, teneinde te voldoen aan de maximale binnenwaarde van 33 dB. Dit dient bij de beoordeling van het bouwplan te worden getoetst.

### **6.3**

#### **Cumulatie**

Omdat er alleen sprake kan zijn van cumulatie indien de ten hoogste toelaatbare waarde van meerdere bronnen wordt overschreden, vindt geen cumulatie plaats zoals genoemd in paragraaf 3.3.

# Conclusie



In opdracht van Fooq is een akoestisch onderzoek uitgevoerd naar de geluidsbelasting vanwege wegverkeerslawaaï afkomstig van N9 en de Vondelstraat en de 30 km/uur wegen Frederik Hendriklaan, Albertina Agnesstraat en Prins Alexanderstraat op de locatie De Nieuwpoort aan de Frederik Hendriklaan.

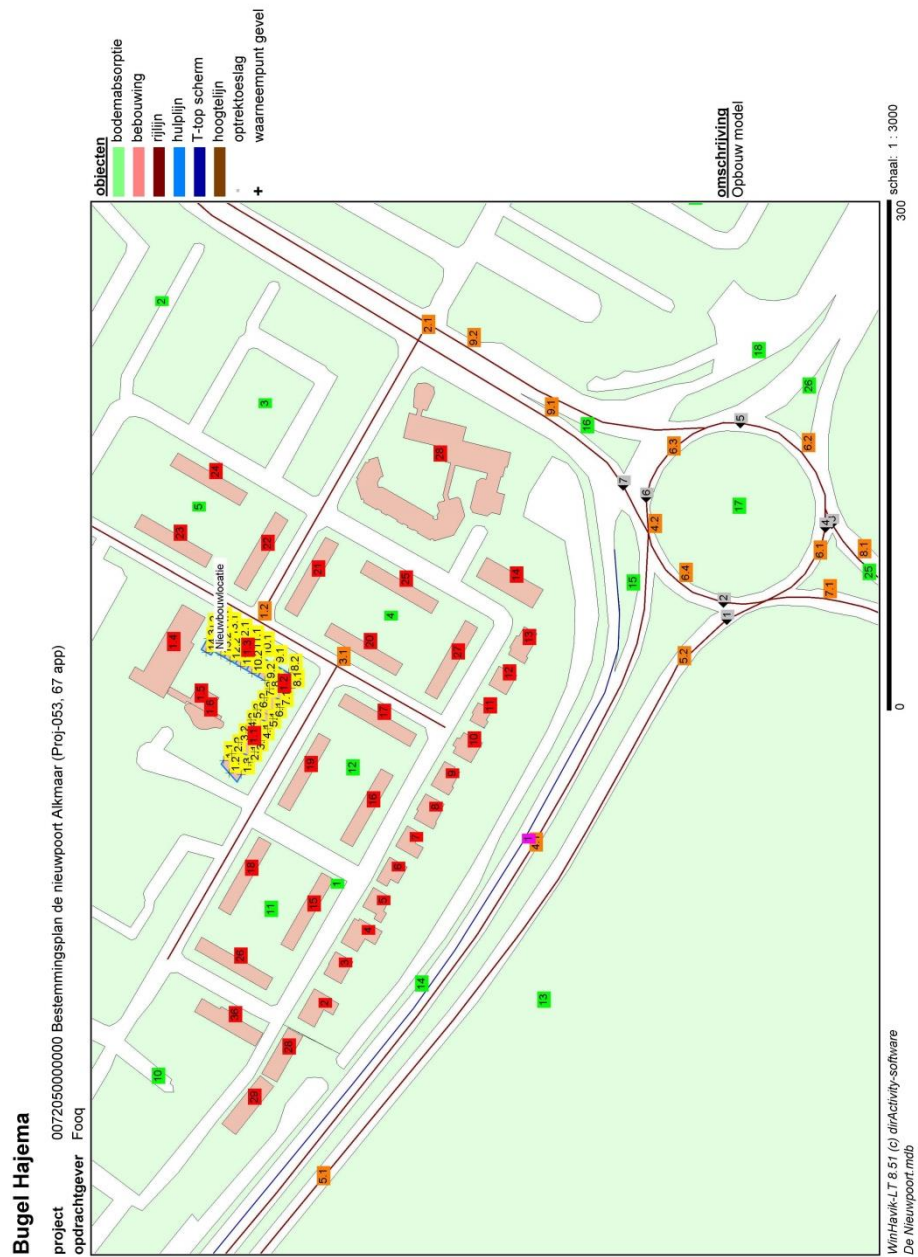
Uit het onderzoek blijkt dat een aantal appartementen een te hoge gevelbelasting kennen vanwege het wegverkeerslawaaï. Het betreft hier het wegverkeerslawaaï ten gevolge van de N9. De overschrijding van de ten hoogste toelaatbare waarde bedraagt 1 dB.

Voor de appartementen dient een hogere waarde bij het College van Burgemeester en Wethouders van de gemeente Alkmaar te worden aangevraagd. Mogelijk zijn daar wel geluidsisolerende maatregelen aan de betreffende gevels van de geluidgevoelige bebouwing nodig, teneinde te voldoen aan de maximale binnenwaarde van 33 dB. Dit dient bij de beoordeling van het bouwplan te worden getoetst.

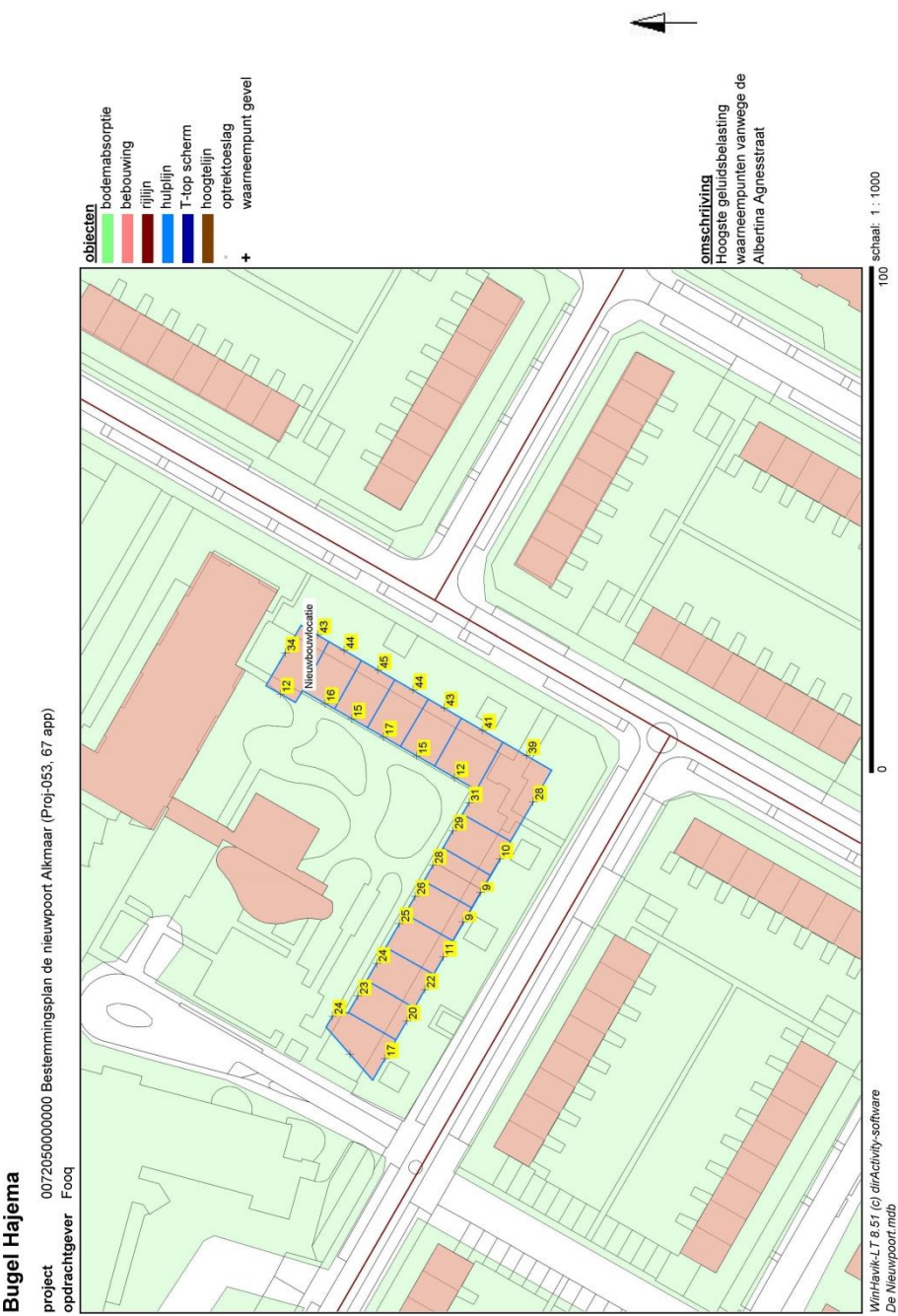
# B i j l a g e n

## 1 Wegverkeerslawaaï

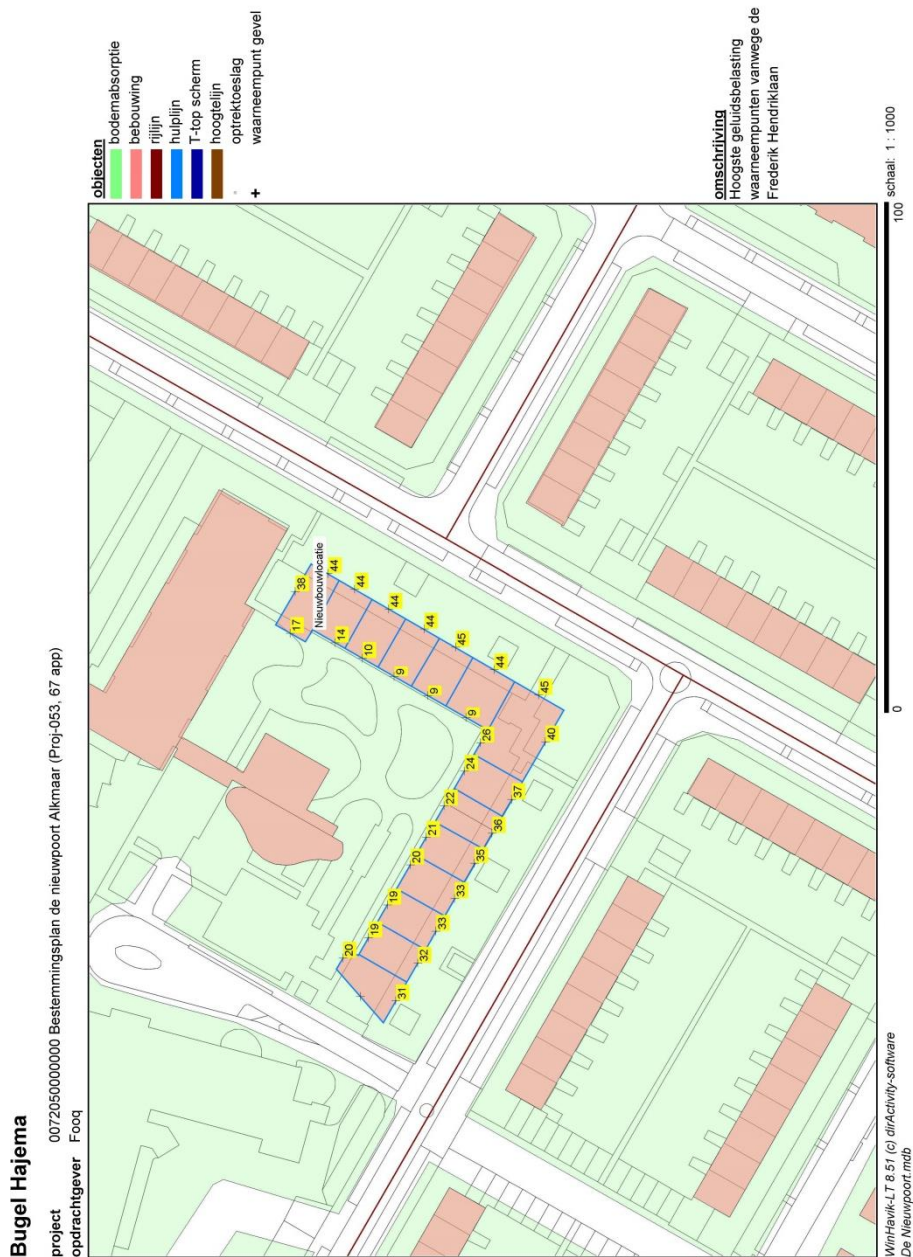
## Opbouw model



Rekenresultaten Albertina Agnesstraat

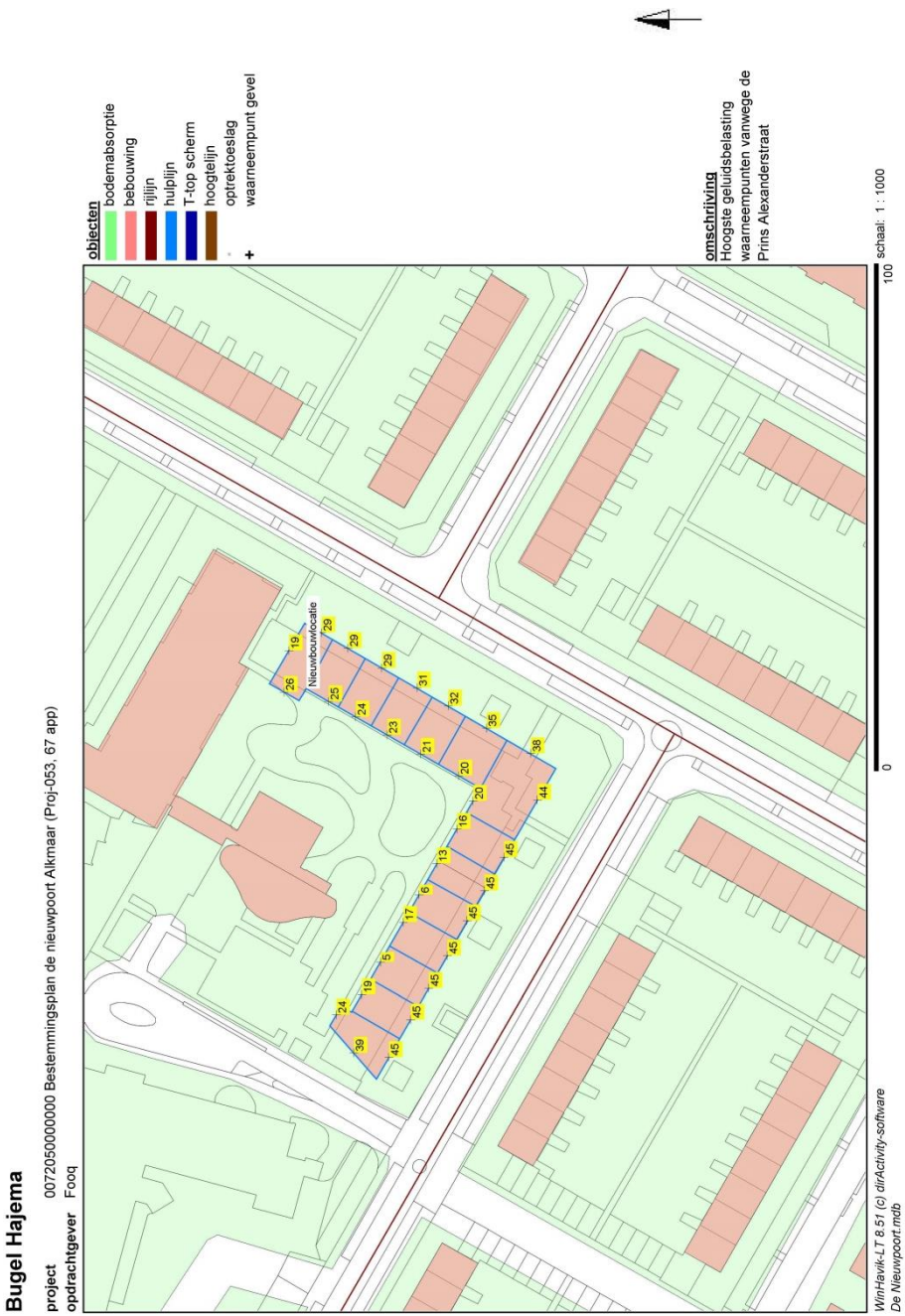


## Rekenresultaten Frederik Hendriklaan





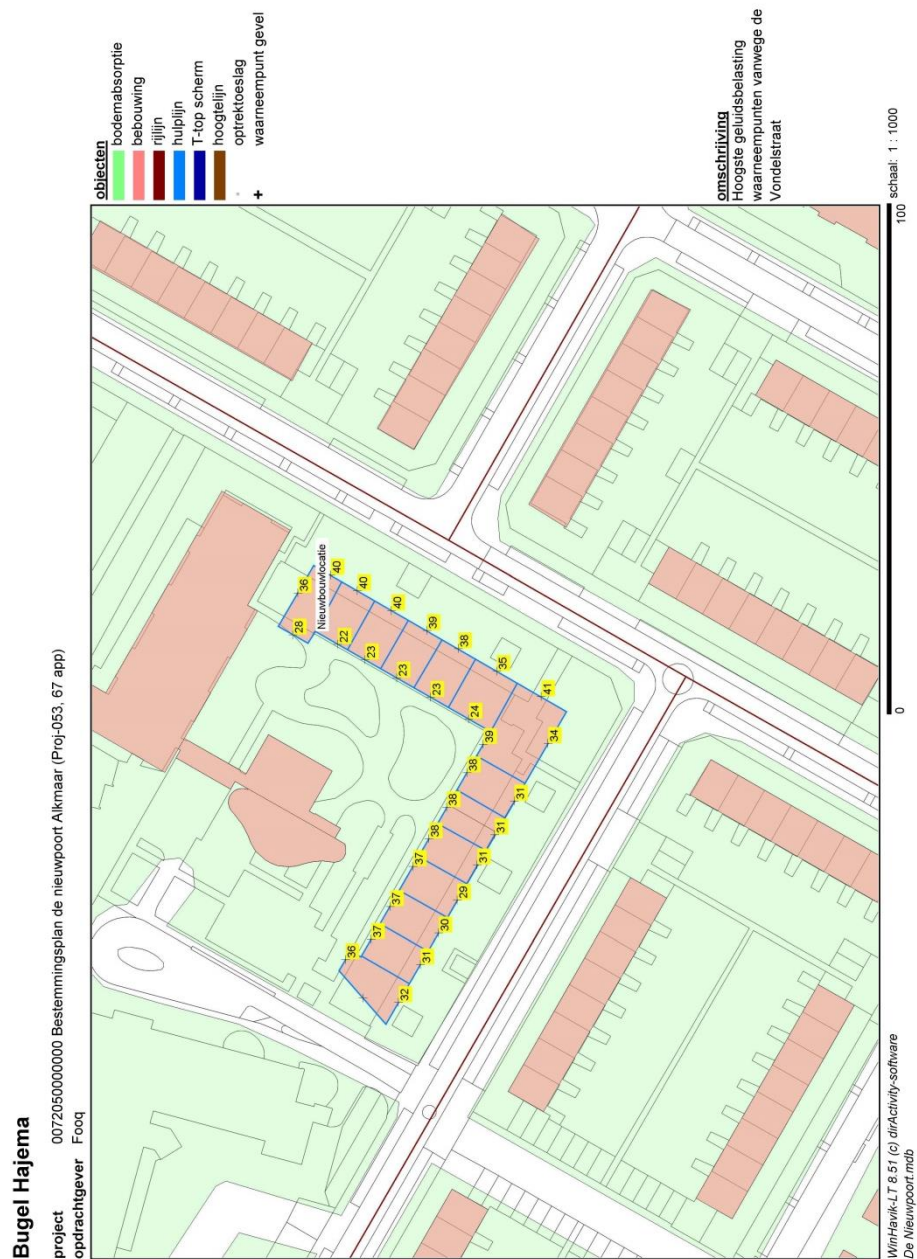
Rekenresultaten Prins Alexanderstraat



Rekenresultaten N9



## Rekenresultaten Vondelstraat



Invoergegevens en rekenresultaten

|                                            |                                                                       |   |
|--------------------------------------------|-----------------------------------------------------------------------|---|
| Bugel Hajema                               |                                                                       | 1 |
| Projectgegevens                            |                                                                       |   |
| projectnaam:                               | 0072050000000 Bestemmingsplan de nieuwpoot Alkmaar (Proy-053, 87 app) |   |
| adviseur:                                  | Bugel-Hajema Adviseurs                                                |   |
| databaseversie:                            | 849                                                                   |   |
| situatie:                                  | eerste situatie                                                       |   |
| uitsnede:                                  | basismodel                                                            |   |
| omschrijving                               | verkeerslawaai                                                        |   |
| rekenhart:                                 | 18.0.5 (build2)                                                       |   |
| aut. berekening gemiddeld maaiveld:        | <input checked="" type="checkbox"/>                                   |   |
| alleen absorptiegebieden (geen hz-lijnen): | <input checked="" type="checkbox"/>                                   |   |
| standaard bodemabsorptie:                  | 0 %                                                                   |   |
| rekenresultaat binnengelezen (datum):      | 12-09-2017                                                            |   |
| rekenresultaat binnengelezen (tijd):       | 11:28                                                                 |   |
| maximum aantal reflecties:                 | 1 graden                                                              |   |
| minimum zichthoek reflecties:              | 2 graden                                                              |   |
| maximum sectorhoek:                        | 5 graden                                                              |   |
| vasse sectorhoek:                          | 2                                                                     |   |

12-09-2017 15:08

WinHavik-LT 8.51 (c) dir.Activity-software

## Bugel Hājema

2

## Bebouwing

|  | nr | z_gem | m_gem | lengte | adres                  | reflectie | kenmerk |
|--|----|-------|-------|--------|------------------------|-----------|---------|
|  | 1  | 13.5  | 0.0   | 66     | Noorderpoort 1.1       | 80        | 1.1     |
|  | 2  | 13.5  | 0.0   | 49     | Noorderpoort 1.2       | 80        | 1.2     |
|  | 3  | 9.0   | 0.0   | 109    | Noorderpoort 1.3       | 80        | 1.3     |
|  | 4  | 9.0   | 0.0   | 137    | Noorderpoort 1.4       | 80        | 1.4     |
|  | 5  | 3.0   | 0.0   | 96     | Noorderpoort 1.5       | 80        | 1.5     |
|  | 6  | 6.0   | 0.0   | 40     | Noorderpoort 1.6       | 80        | 1.6     |
|  | 7  | 7.0   | 0.0   | 62     | Kon. Frederikastraat   | 80        | 2       |
|  | 8  | 7.0   | 0.0   | 39     | Kon. Frederikastraat   | 80        | 3       |
|  | 9  | 7.0   | 0.0   | 42     | Kon. Frederikastraat   | 80        | 4       |
|  | 10 | 7.0   | 0.0   | 53     | Kon. Frederikastraat   | 80        | 5       |
|  | 11 | 8.0   | 0.0   | 51     | Prinses Mariannestraat | 80        | 6       |
|  | 12 | 8.0   | 0.0   | 50     | Prinses Mariannestraat | 80        | 7       |
|  | 13 | 9.0   | 0.0   | 47     | Prinses Mariannestraat | 80        | 8       |
|  | 14 | 9.0   | 0.0   | 51     | Prinses Mariannestraat | 80        | 9       |
|  | 15 | 9.0   | 0.0   | 42     | Prinses Mariannestraat | 80        | 10      |
|  | 16 | 9.0   | 0.0   | 50     | Prinses Mariannestraat | 80        | 11      |
|  | 17 | 9.0   | 0.0   | 38     | Prinses Mariannestraat | 80        | 12      |
|  | 18 | 7.0   | 0.0   | 58     | Louise Henriëttestraat | 80        | 13      |
|  | 19 | 9.0   | 0.0   | 88     | Louise Henriëttestraat | 80        | 14      |
|  | 20 | 9.0   | 0.0   | 105    | Prinses Mariannestraat | 80        | 15      |
|  | 21 | 9.0   | 0.0   | 105    | Prinses Mariannestraat | 80        | 16      |
|  | 22 | 9.0   | 0.0   | 105    | Frederik Hendriklaan   | 80        | 17      |
|  | 23 | 8.0   | 0.0   | 105    | Prins Alexanderstraat  | 80        | 18      |
|  | 24 | 8.0   | 0.0   | 105    | Prins Alexanderstraat  | 80        | 19      |
|  | 25 | 8.0   | 0.0   | 105    | Frederik Hendriklaan   | 80        | 20      |
|  | 26 | 8.0   | 0.0   | 106    | Albertina Agnesstraat  | 80        | 21      |
|  | 27 | 9.0   | 0.0   | 106    | Albertina Agnesstraat  | 80        | 22      |
|  | 28 | 9.0   | 0.0   | 105    | Frederik Hendriklaan   | 80        | 23      |
|  | 29 | 9.0   | 0.0   | 103    | Annala van Solmsstraat | 80        | 24      |
|  | 30 | 9.0   | 0.0   | 105    | Louise Henriëttestraat | 80        | 25      |
|  | 31 | 9.0   | 0.0   | 65     | Koningin Sophialaan    | 80        | 26      |
|  | 32 | 9.0   | 0.0   | 65     | Koningin Sophialaan    | 80        | 27      |
|  | 33 | 8.0   | 0.0   | 72     | Kon. Frederikastraat   | 80        | 28      |
|  | 34 | 9.0   | 0.0   | 57     | Kon. Frederikastraat   | 80        | 29      |
|  | 35 | 21.0  | 0.0   | 519    | Louise Henriëttestraat | 80        | 28      |
|  | 36 | 9.0   | 0.0   | 62     | Koningin Sophialaan    | 80        | 36      |

| Schermen |       |       |        |      |               |        |                   |  |                            |
|----------|-------|-------|--------|------|---------------|--------|-------------------|--|----------------------------|
| nr       | z.gem | m.gem | lengte | type | reflectie [%] |        | schermverhogingen |  | getoppeld                  |
|          |       |       |        |      | links         | rechts |                   |  | il kenmerk                 |
| 1        | 2.0   | 0.0   | 611    | --   | 80            | 80     |                   |  | <input type="checkbox"/> 1 |

|                    |       |        |            |         |   |
|--------------------|-------|--------|------------|---------|---|
| Bugel Højema       |       |        |            |         | 4 |
| <b>Bodemlijnen</b> |       |        |            |         |   |
| nr                 | z.gem | lengte | type       | kenmerk |   |
| 1                  | 0.0   | 2066   | hoogtelijn | 1       |   |



## Waarneempunten met rekenresultaten

| nr | z1  | m1 adres          | hulpm type | a1w boets | refl kenmerk | m1art groep | sh | wh1  | dag avond nacht |       |       | IL-inc. maatregel |       |       | VL-inc. prognose |       |       | VL-excl. optrektoeslag |       |       |
|----|-----|-------------------|------------|-----------|--------------|-------------|----|------|-----------------|-------|-------|-------------------|-------|-------|------------------|-------|-------|------------------------|-------|-------|
|    |     |                   |            |           |              |             |    |      |                 |       |       | Lden              | Lden  | Lden  | Lden             | Lden  | Lden  | dag                    | avond | nacht |
| 1  | 0.0 | 0.0 De Nieuwpoort | gevel      | 1.1       |              | VL 1        | 1  | 1.5  | 19.53           | 16.27 | 9.65  | 19.91             | 19.65 | 14.91 | 14.65            | 19.53 | 16.27 | 9.65                   |       |       |
|    |     |                   |            |           |              | VL 1        | 1  | 4.5  | 21.89           | 18.63 | 12.01 | 22.27             | 22.01 | 17.27 | 17.01            | 21.89 | 18.63 | 12.01                  |       |       |
|    |     |                   |            |           |              | VL 1        | 1  | 7.5  | 25.92           | 22.66 | 16.04 | 26.30             | 26.04 | 21.30 | 21.04            | 25.92 | 22.66 | 16.04                  |       |       |
|    |     |                   |            |           |              | VL 1        | 1  | 10.5 | 29.05           | 25.78 | 19.17 | 29.43             | 29.17 | 24.43 | 24.17            | 29.05 | 25.78 | 19.17                  |       |       |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5  | 18.65           | 15.39 | 8.74  | 18.91             | 18.65 | 13.91 | 13.65            | 18.65 | 15.39 | 8.74                   |       |       |
|    |     |                   |            |           |              | VL 2        | 1  | 4.5  | 19.15           | 14.88 | 8.33  | 18.55             | 18.33 | 13.55 | 13.33            | 19.15 | 14.88 | 8.33                   |       |       |
|    |     |                   |            |           |              | VL 2        | 1  | 7.5  | 21.83           | 18.56 | 12.00 | 22.22             | 22.00 | 17.22 | 17.00            | 21.83 | 18.56 | 12.00                  |       |       |
|    |     |                   |            |           |              | VL 2        | 1  | 10.5 | 24.29           | 21.03 | 14.47 | 24.69             | 24.47 | 19.69 | 19.47            | 24.29 | 21.03 | 14.47                  |       |       |
|    |     |                   |            |           |              | VL 3        | 1  | 1.5  | 27.69           | 24.42 | 17.85 | 28.09             | 27.85 | 23.09 | 22.85            | 27.69 | 24.42 | 17.85                  |       |       |
|    |     |                   |            |           |              | VL 3        | 1  | 4.5  | 31.11           | 27.85 | 21.23 | 31.51             | 31.25 | 26.51 | 26.25            | 31.11 | 27.85 | 21.23                  |       |       |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5  | 32.21           | 28.94 | 22.31 | 32.61             | 32.35 | 27.61 | 27.35            | 32.21 | 28.94 | 22.31                  |       |       |
|    |     |                   |            |           |              | VL 3        | 1  | 10.5 | 34.94           | 31.68 | 25.13 | 35.34             | 35.08 | 30.34 | 30.08            | 34.94 | 31.68 | 25.13                  |       |       |
|    |     |                   |            |           |              | VL 4        | 1  | 1.5  | 30.89           | 27.45 | 24.57 | 32.70             | 34.57 | 29.88 | 31.52            | 30.89 | 27.45 | 24.57                  |       |       |
|    |     |                   |            |           |              | VL 4        | 1  | 7.5  | 34.26           | 30.83 | 23.94 | 36.12             | 38.54 | 33.26 | 34.95            | 34.26 | 30.83 | 23.94                  |       |       |
|    |     |                   |            |           |              | VL 4        | 1  | 10.5 | 37.93           | 34.50 | 27.61 | 39.11             | 41.53 | 36.23 | 37.92            | 37.93 | 34.50 | 27.61                  |       |       |
|    |     |                   |            |           |              | VL 4        | 1  | 10.5 | 32.93           | 29.32 | 26.22 | 34.52             | 36.22 | 31.28 | 33.02            | 32.93 | 29.32 | 26.22                  |       |       |
| 2  | 0.0 | 0.0 De Nieuwpoort | gevel      | 1.2       |              | VL 5        | 1  | 1.5  | 25.84           | 22.26 | 19.15 | 27.44             | 29.15 | 22.44 | 24.15            | 25.84 | 22.26 | 19.15                  |       |       |
|    |     |                   |            |           |              | VL 5        | 1  | 4.5  | 28.20           | 25.62 | 22.51 | 30.80             | 32.51 | 25.80 | 27.51            | 28.20 | 25.62 | 22.51                  |       |       |
|    |     |                   |            |           |              | VL 5        | 1  | 7.5  | 31.44           | 28.86 | 25.74 | 33.74             | 35.64 | 30.74 | 32.64            | 31.44 | 28.86 | 25.74                  |       |       |
|    |     |                   |            |           |              | VL 5        | 1  | 10.5 | 33.15           | 30.56 | 27.43 | 35.13             | 37.43 | 32.13 | 34.43            | 33.15 | 30.56 | 27.43                  |       |       |
|    |     |                   |            |           |              | VL 5        | 1  | 1.5  | 35.95           | 32.83 | 24.13 | 42.83             | 45.13 | 37.83 | 39.83            | 35.95 | 32.83 |                        |       |       |
|    |     |                   |            |           |              | VL 1        | 1  | 1.5  | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 1        | 1  | 4.5  | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 1        | 1  | 7.5  | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 1        | 1  | 10.5 | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5  | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 2        | 1  | 4.5  | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 2        | 1  | 7.5  | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 2        | 1  | 10.5 | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 3        | 1  | 1.5  | 40.85           | 39.11 | 32.84 | 43.05             | 44.34 | 38.84 | 40.14            | 40.85 | 39.11 | 32.84                  |       |       |
|    |     |                   |            |           |              | VL 3        | 1  | 4.5  | 45.89           | 40.83 | 34.06 | 44.29             | 44.06 | 39.29 | 39.06            | 45.89 | 40.83 | 34.06                  |       |       |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5  | 44.09           | 40.83 | 34.26 | 44.49             | 44.26 | 39.49 | 39.26            | 44.09 | 40.83 | 34.26                  |       |       |
| 3  | 0.0 | 0.0 De Nieuwpoort | gevel      | 1.3       |              | VL 3        | 1  | 10.5 | 44.07           | 40.80 | 34.24 | 44.46             | 44.24 | 39.46 | 39.24            | 44.07 | 40.80 | 34.24                  |       |       |
|    |     |                   |            |           |              | VL 4        | 1  | 1.5  | 35.79           | 32.61 | 29.90 | 37.66             | 39.90 | 35.47 | 37.31            | 35.79 | 32.61 | 29.90                  |       |       |
|    |     |                   |            |           |              | VL 4        | 1  | 4.5  | 39.17           | 35.99 | 32.81 | 41.87             | 44.09 | 38.31 | 40.53            | 39.17 | 35.99 | 32.81                  |       |       |
|    |     |                   |            |           |              | VL 4        | 1  | 7.5  | 41.88           | 38.74 | 35.60 | 43.78             | 45.60 | 41.17 | 43.03            | 41.88 | 38.74 | 35.60                  |       |       |
|    |     |                   |            |           |              | VL 4        | 1  | 10.5 | 45.29           | 42.13 | 39.20 | 47.26             | 49.20 | 44.96 | 46.91            | 45.29 | 42.13 | 39.20                  |       |       |
|    |     |                   |            |           |              | VL 5        | 1  | 1.5  | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 5        | 1  | 4.5  | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 5        | 1  | 7.5  | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 5        | 1  | 10.5 | --              | --    | --    | --                | --    | --    | --               | --    | --    | --                     | --    | --    |
|    |     |                   |            |           |              | VL 5        | 1  | 1.5  | 13.48           | 10.22 | 3.60  | 13.86             | 13.60 | 8.86  | 8.60             | 13.48 | 10.22 | 3.60                   |       |       |
|    |     |                   |            |           |              | VL 1        | 1  | 4.5  | 13.89           | 10.63 | 4.00  | 14.27             | 14.00 | 9.27  | 9.00             | 13.89 | 10.63 | 4.00                   |       |       |
|    |     |                   |            |           |              | VL 1        | 1  | 7.5  | 15.86           | 12.60 | 6.97  | 16.24             | 15.97 | 11.24 | 10.97            | 15.86 | 12.60 | 6.97                   |       |       |
|    |     |                   |            |           |              | VL 1        | 1  | 10.5 | 22.96           | 19.70 | 12.94 | 23.34             | 23.04 | 17.14 | 16.84            | 22.96 | 19.70 | 12.94                  |       |       |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5  | 33.49           | 30.23 | 23.66 | 33.89             | 33.66 | 28.89 | 28.66            | 33.49 | 30.23 | 23.66                  |       |       |
|    |     |                   |            |           |              | VL 2        | 1  | 4.5  | 34.10           | 30.83 | 24.27 | 34.49             | 34.27 | 29.49 | 29.27            | 34.10 | 30.83 | 24.27                  |       |       |
|    |     |                   |            |           |              | VL 2        | 1  | 7.5  | 35.26           | 31.99 | 25.43 | 35.65             | 35.43 | 30.65 | 30.43            | 35.26 | 31.99 | 25.43                  |       |       |
|    |     |                   |            |           |              | VL 2        | 1  | 10.5 | 36.86           | 32.59 | 26.03 | 37.25             | 36.93 | 31.13 | 30.83            | 36.86 | 32.59 | 26.03                  |       |       |
|    |     |                   |            |           |              | VL 3        | 1  | 1.5  | 46.16           | 46.91 | 39.34 | 46.57             | 46.34 | 41.57 | 41.34            | 46.16 | 46.91 | 39.34                  |       |       |

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## Bugel H4jema

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| nr | z1  | m1 adres          | hulpmiddel type | a1w bo1ts | refl kenmerk | hart groep | sh | whh  | dag   | avond | nacht | IL-inc maatregel |       |       | VL-inc. prognose |       |       | VL-excl. optrektoeslag |       |       |
|----|-----|-------------------|-----------------|-----------|--------------|------------|----|------|-------|-------|-------|------------------|-------|-------|------------------|-------|-------|------------------------|-------|-------|
|    |     |                   |                 |           |              |            |    |      |       |       |       | LDen             | LDen  | LDen  | LDen             | LDen  | LDen  | LDen                   | LDen  | LDen  |
| 4  | 0.0 | 0.0 De Nieuwpoort | gevel           | 2.1       |              | VL 3       | 1  | 4.5  | 49.88 | 46.61 | 40.05 | 50.27            | 50.05 | 45.27 | 45.05            | 49.88 | 46.61 | 40.05                  | 49.88 | 46.61 |
|    |     |                   |                 |           |              | VL 3       | 1  | 7.5  | 48.87 | 46.61 | 40.04 | 50.14            | 49.91 | 45.14 | 44.91            | 48.74 | 46.48 | 39.91                  | 48.74 | 46.48 |
|    |     |                   |                 |           |              | VL 4       | 1  | 1.5  | 39.52 | 36.30 | 33.21 | 41.37            | 43.21 | 39.19 | 41.03            | 39.52 | 36.30 | 33.21                  | 39.52 | 36.30 |
|    |     |                   |                 |           |              | VL 4       | 1  | 4.5  | 48.87 | 46.61 | 40.05 | 50.14            | 49.91 | 45.14 | 44.91            | 48.74 | 46.48 | 39.91                  | 48.74 | 46.48 |
|    |     |                   |                 |           |              | VL 4       | 1  | 7.5  | 46.61 | 42.45 | 39.34 | 47.49            | 49.34 | 45.08 | 46.95            | 46.61 | 42.45 | 39.34                  | 46.61 | 42.45 |
|    |     |                   |                 |           |              | VL 5       | 1  | 10.5 | 48.91 | 45.76 | 42.75 | 50.85            | 52.75 | 48.45 | 50.37            | 48.91 | 45.76 | 42.75                  | 48.91 | 45.76 |
|    |     |                   |                 |           |              | VL 5       | 1  | 1.5  | 26.64 | 23.06 | 19.65 | 28.24            | 29.65 | 23.24 | 24.65            | 26.64 | 23.06 | 19.65                  | 26.64 | 23.06 |
|    |     |                   |                 |           |              | VL 5       | 1  | 1.5  | 28.49 | 24.91 | 21.80 | 30.09            | 31.80 | 25.09 | 26.80            | 28.49 | 24.91 | 21.80                  | 28.49 | 24.91 |
|    |     |                   |                 |           |              | VL 5       | 1  | 1.5  | 34.96 | 31.38 | 28.26 | 35.65            | 38.26 | 31.56 | 33.26            | 34.96 | 31.38 | 28.26                  | 34.96 | 31.38 |
|    |     |                   |                 |           |              | VL 5       | 1  | 10.5 | 34.96 | 31.38 | 28.26 | 35.65            | 38.26 | 31.56 | 33.26            | 34.96 | 31.38 | 28.26                  | 34.96 | 31.38 |
|    |     |                   |                 |           |              | VL 1       | 1  | 1.5  | 22.78 | 19.51 | 12.90 | 23.16            | 22.90 | 18.16 | 17.90            | 22.78 | 19.51 | 12.90                  | 22.78 | 19.51 |
|    |     |                   |                 |           |              | VL 1       | 1  | 4.5  | 22.34 | 19.08 | 12.46 | 22.72            | 22.46 | 17.72 | 17.46            | 22.34 | 19.08 | 12.46                  | 22.34 | 19.08 |
|    |     |                   |                 |           |              | VL 1       | 1  | 7.5  | 22.34 | 19.08 | 12.46 | 22.72            | 22.46 | 17.72 | 17.46            | 22.34 | 19.08 | 12.46                  | 22.34 | 19.08 |
|    |     |                   |                 |           |              | VL 1       | 1  | 10.5 | 22.34 | 19.08 | 12.46 | 22.72            | 22.46 | 17.72 | 17.46            | 22.34 | 19.08 | 12.46                  | 22.34 | 19.08 |
|    |     |                   |                 |           |              | VL 2       | 1  | 1.5  | 33.93 | 30.67 | 24.10 | 34.33            | 34.10 | 29.33 | 29.10            | 33.93 | 30.67 | 24.10                  | 33.93 | 30.67 |
|    |     |                   |                 |           |              | VL 2       | 1  | 4.5  | 34.86 | 31.59 | 25.02 | 35.25            | 35.02 | 30.25 | 30.02            | 34.86 | 31.59 | 25.02                  | 34.86 | 31.59 |
|    |     |                   |                 |           |              | VL 2       | 1  | 7.5  | 36.01 | 32.74 | 26.18 | 36.40            | 36.18 | 31.40 | 31.18            | 36.01 | 32.74 | 26.18                  | 36.01 | 32.74 |
|    |     |                   |                 |           |              | VL 2       | 1  | 10.5 | 36.01 | 32.74 | 26.18 | 36.40            | 36.18 | 31.40 | 31.18            | 36.01 | 32.74 | 26.18                  | 36.01 | 32.74 |
|    |     |                   |                 |           |              | VL 3       | 1  | 1.5  | 48.16 | 45.88 | 39.32 | 49.84            | 49.32 | 44.84 | 44.32            | 48.16 | 45.88 | 39.32                  | 48.16 | 45.88 |
|    |     |                   |                 |           |              | VL 3       | 1  | 4.5  | 48.85 | 46.59 | 40.02 | 50.25            | 50.02 | 45.25 | 45.02            | 48.85 | 46.59 | 40.02                  | 48.85 | 46.59 |
|    |     |                   |                 |           |              | VL 3       | 1  | 7.5  | 48.85 | 46.59 | 40.01 | 50.24            | 50.01 | 45.24 | 45.01            | 48.85 | 46.59 | 40.01                  | 48.85 | 46.59 |
|    |     |                   |                 |           |              | VL 3       | 1  | 10.5 | 48.72 | 46.46 | 39.89 | 50.12            | 49.89 | 45.12 | 44.89            | 48.72 | 46.46 | 39.89                  | 48.72 | 46.46 |
|    |     |                   |                 |           |              | VL 4       | 1  | 1.5  | 39.53 | 36.30 | 33.21 | 41.37            | 43.21 | 39.19 | 41.03            | 39.53 | 36.30 | 33.21                  | 39.53 | 36.30 |
|    |     |                   |                 |           |              | VL 4       | 1  | 4.5  | 42.55 | 39.35 | 36.26 | 44.43            | 46.26 | 42.15 | 44.00            | 42.55 | 39.35 | 36.26                  | 42.55 | 39.35 |
|    |     |                   |                 |           |              | VL 4       | 1  | 7.5  | 45.98 | 42.79 | 39.72 | 47.86            | 49.72 | 45.37 | 47.24            | 45.98 | 42.79 | 39.72                  | 45.98 | 42.79 |
|    |     |                   |                 |           |              | VL 4       | 1  | 10.5 | 48.49 | 46.32 | 43.35 | 51.43            | 53.35 | 48.05 | 50.98            | 48.49 | 46.32 | 43.35                  | 48.49 | 46.32 |
|    |     |                   |                 |           |              | VL 5       | 1  | 1.5  | 26.90 | 23.32 | 20.21 | 28.50            | 30.21 | 23.50 | 25.21            | 26.90 | 23.32 | 20.21                  | 26.90 | 23.32 |
|    |     |                   |                 |           |              | VL 5       | 1  | 4.5  | 30.66 | 27.08 | 23.96 | 33.26            | 33.96 | 27.26 | 28.96            | 30.66 | 27.08 | 23.96                  | 30.66 | 27.08 |
|    |     |                   |                 |           |              | VL 5       | 1  | 7.5  | 34.14 | 30.56 | 27.44 | 35.74            | 37.44 | 30.74 | 32.44            | 34.14 | 30.56 | 27.44                  | 34.14 | 30.56 |
| 5  | 0.0 | 0.0 De Nieuwpoort | gevel           | 2.2       |              | VL 5       | 1  | 10.5 | 48.49 | 46.32 | 43.35 | 51.43            | 53.35 | 48.05 | 50.98            | 48.49 | 46.32 | 43.35                  | 48.49 | 46.32 |
|    |     |                   |                 |           |              | VL 5       | 1  | 1.5  | 26.90 | 23.32 | 20.21 | 28.50            | 30.21 | 23.50 | 25.21            | 26.90 | 23.32 | 20.21                  | 26.90 | 23.32 |
|    |     |                   |                 |           |              | VL 5       | 1  | 4.5  | 30.66 | 27.08 | 23.96 | 33.26            | 33.96 | 27.26 | 28.96            | 30.66 | 27.08 | 23.96                  | 30.66 | 27.08 |
|    |     |                   |                 |           |              | VL 5       | 1  | 7.5  | 34.14 | 30.56 | 27.44 | 35.74            | 37.44 | 30.74 | 32.44            | 34.14 | 30.56 | 27.44                  | 34.14 | 30.56 |
|    |     |                   |                 |           |              | VL 5       | 1  | 10.5 | 48.49 | 46.32 | 43.35 | 51.43            | 53.35 | 48.05 | 50.98            | 48.49 | 46.32 | 43.35                  | 48.49 | 46.32 |
|    |     |                   |                 |           |              | VL 1       | 1  | 1.5  | 19.99 | 16.73 | 10.11 | 20.37            | 20.11 | 15.37 | 15.11            | 19.99 | 16.73 | 10.11                  | 19.99 | 16.73 |
|    |     |                   |                 |           |              | VL 1       | 1  | 4.5  | 22.05 | 18.79 | 12.16 | 22.42            | 22.16 | 17.42 | 17.16            | 22.05 | 18.79 | 12.16                  | 22.05 | 18.79 |
|    |     |                   |                 |           |              | VL 1       | 1  | 7.5  | 22.05 | 18.79 | 12.16 | 22.42            | 22.16 | 17.42 | 17.16            | 22.05 | 18.79 | 12.16                  | 22.05 | 18.79 |
|    |     |                   |                 |           |              | VL 1       | 1  | 10.5 | 22.05 | 18.79 | 12.16 | 22.42            | 22.16 | 17.42 | 17.16            | 22.05 | 18.79 | 12.16                  | 22.05 | 18.79 |
|    |     |                   |                 |           |              | VL 2       | 1  | 1.5  | 17.53 | 14.27 | 7.71  | 17.93            | 17.71 | 12.93 | 12.71            | 17.53 | 14.27 | 7.71                   | 17.53 | 14.27 |
|    |     |                   |                 |           |              | VL 2       | 1  | 4.5  | 18.91 | 15.65 | 9.10  | 19.31            | 19.10 | 14.31 | 14.10            | 18.91 | 15.65 | 9.10                   | 18.91 | 15.65 |
|    |     |                   |                 |           |              | VL 2       | 1  | 7.5  | 21.00 | 17.74 | 11.19 | 21.40            | 21.19 | 16.40 | 16.19            | 21.00 | 17.74 | 11.19                  | 21.00 | 17.74 |
|    |     |                   |                 |           |              | VL 2       | 1  | 10.5 | 21.00 | 17.74 | 11.19 | 21.40            | 21.19 | 16.40 | 16.19            | 21.00 | 17.74 | 11.19                  | 21.00 | 17.74 |
|    |     |                   |                 |           |              | VL 3       | 1  | 1.5  | 23.07 | 19.80 | 13.23 | 23.46            | 23.23 | 18.46 | 18.23            | 23.07 | 19.80 | 13.23                  | 23.07 | 19.80 |
|    |     |                   |                 |           |              | VL 3       | 1  | 4.5  | 23.67 | 20.40 | 13.83 | 24.05            | 23.83 | 19.06 | 18.83            | 23.67 | 20.40 | 13.83                  | 23.67 | 20.40 |
|    |     |                   |                 |           |              | VL 3       | 1  | 7.5  | 7.36  | 4.10  | -2.46 | 7.76             | 7.54  | 2.76  | 2.54             | 7.36  | 4.10  | -2.46                  | 7.36  | 4.10  |
|    |     |                   |                 |           |              | VL 3       | 1  | 10.5 | 7.36  | 4.10  | -2.46 | 7.76             | 7.54  | 2.76  | 2.54             | 7.36  | 4.10  | -2.46                  | 7.36  | 4.10  |
|    |     |                   |                 |           |              | VL 4       | 1  | 1.5  | 32.50 | 28.99 | 26.07 | 34.24            | 36.07 | 31.01 | 32.82            | 32.50 | 28.99 | 26.07                  | 32.50 | 28.99 |
|    |     |                   |                 |           |              | VL 4       | 1  | 4.5  | 32.50 | 28.99 | 26.07 | 34.24            | 36.07 | 31.01 | 32.82            | 32.50 | 28.99 | 26.07                  | 32.50 | 28.99 |
|    |     |                   |                 |           |              | VL 4       | 1  | 7.5  | 35.62 | 32.17 | 29.14 | 37.35            | 39.14 | 33.36 | 35.16            | 35.62 | 32.17 | 29.14                  | 35.62 | 32.17 |
|    |     |                   |                 |           |              | VL 4       | 1  | 10.5 | 34.83 | 31.13 | 28.21 | 36.45            | 38.21 | 33.28 | 35.07            | 34.83 | 31.13 | 28.21                  | 34.83 | 31.13 |
|    |     |                   |                 |           |              | VL 5       | 1  | 1.5  | 30.65 | 27.08 | 23.96 | 33.26            | 33.96 | 27.26 | 28.96            | 30.65 | 27.08 | 23.96                  | 30.65 | 27.08 |
|    |     |                   |                 |           |              | VL 5       | 1  | 4.5  | 34.47 | 30.89 | 27.78 | 36.07            | 37.78 | 31.07 | 32.78            | 34.47 | 30.89 | 27.78                  | 34.47 | 30.89 |
|    |     |                   |                 |           |              | VL 5       | 1  | 7.5  | 40.77 | 37.19 | 34.08 | 42.37            | 44.08 | 37.37 | 39.08            | 40.77 | 37.19 | 34.08                  | 40.77 | 37.19 |
|    |     |                   |                 |           |              | VL 5       | 1  | 10.5 | 40.77 | 37.19 | 34.08 | 42.37            | 44.08 | 37.37 | 39.08            | 40.77 | 37.19 | 34.08                  | 40.77 | 37.19 |
|    |     |                   |                 |           |              | VL 1       | 1  | 1.5  | 25.67 | 22.40 | 15.79 | 26.05            | 25.79 | 21.05 | 20.79            | 25.67 | 22.40 | 15.79                  | 25.67 | 22.40 |

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| nr | z1  | m1 adres          | huistype | afw.toets | refl | kenmerk | chart | groep | sh | whh  | dag   | avond | nacht | Lden  | Lden  | RL inc. maatregel | RL inc. maatregel | VL inc. maatregel | VL inc. maatregel | VL exd | opritklooslag | dag   | avond | nacht |
|----|-----|-------------------|----------|-----------|------|---------|-------|-------|----|------|-------|-------|-------|-------|-------|-------------------|-------------------|-------------------|-------------------|--------|---------------|-------|-------|-------|
| 7  | 0.0 | 0.0 De Nieuwpoort | gevel    | 3.2       |      |         |       | VL 1  | 1  | 4.5  | 25.35 | 22.08 | 15.47 | 25.73 | 25.47 | 20.73             | 20.47             | 20.73             | 20.47             | 25.35  | 22.08         | 15.47 |       |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 7.5  | 28.22 | 22.96 | 16.34 | 26.00 | 26.34 | 21.60             | 21.34             | 21.60             | 21.34             | 26.22  | 22.96         | 16.34 |       |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 10.5 | 31.71 | 23.84 | 17.72 | 29.46 | 29.72 | 24.46             | 24.20             | 24.46             | 24.20             | 29.31  | 23.84         | 17.72 |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 4.5  | 35.92 | 32.65 | 26.08 | 36.31 | 36.08 | 31.31             | 31.08             | 31.31             | 31.08             | 35.92  | 32.65         | 26.08 |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 7.5  | 38.94 | 33.67 | 27.10 | 37.33 | 37.10 | 32.33             | 32.10             | 32.33             | 32.10             | 36.94  | 33.67         | 27.10 |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 10.5 | 37.25 | 33.99 | 27.42 | 37.65 | 37.42 | 32.85             | 32.42             | 32.85             | 32.42             | 37.25  | 33.99         | 27.42 |       |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 4.5  | 48.81 | 46.54 | 39.87 | 48.11 | 47.87 | 43.45             | 43.21             | 43.45             | 43.21             | 48.00  | 46.54         | 39.87 |       |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 7.5  | 48.78 | 46.52 | 39.85 | 50.18 | 49.95 | 45.18             | 44.95             | 45.18             | 44.95             | 48.78  | 46.52         | 39.85 |       |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 10.5 | 48.66 | 46.39 | 39.83 | 50.05 | 49.83 | 45.05             | 44.83             | 45.05             | 44.83             | 48.66  | 46.39         | 39.83 |       |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 1.5  | 39.61 | 36.35 | 33.25 | 41.43 | 43.25 | 39.07             | 40.90             | 39.07             | 40.90             | 39.61  | 36.35         | 33.25 |       |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 4.5  | 46.58 | 42.91 | 36.75 | 46.58 | 42.91 | 41.43             | 43.25             | 41.43             | 43.25             | 46.58  | 42.91         | 36.75 |       |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 7.5  | 46.08 | 42.91 | 36.75 | 47.33 | 49.75 | 45.36             | 47.21             | 45.36             | 47.21             | 46.08  | 42.91         | 36.75 |       |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 10.5 | 49.34 | 46.16 | 43.16 | 51.26 | 53.16 | 48.84             | 50.76             | 48.84             | 50.76             | 49.34  | 46.16         | 43.16 |       |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 1.5  | 28.31 | 22.73 | 19.61 | 27.91 | 29.61 | 22.91             | 24.61             | 22.91             | 24.61             | 26.31  | 22.73         | 19.61 |       |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 4.5  | 27.85 | 24.27 | 21.15 | 29.45 | 31.15 | 24.45             | 26.15             | 24.45             | 26.15             | 27.85  | 24.27         | 21.15 |       |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 7.5  | 30.59 | 26.91 | 23.79 | 31.29 | 32.99 | 26.29             | 27.99             | 26.29             | 27.99             | 30.59  | 26.91         | 23.79 |       |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 10.5 | 33.74 | 30.16 | 27.05 | 35.34 | 37.05 | 30.34             | 32.05             | 30.34             | 32.05             | 33.74  | 30.16         | 27.05 |       |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 1.5  | 19.83 | 16.57 | 9.95  | 20.21 | 19.95 | 15.21             | 14.95             | 15.21             | 14.95             | 19.83  | 16.57         | 9.95  |       |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 4.5  | 22.07 | 18.81 | 12.18 | 22.45 | 22.18 | 17.45             | 17.18             | 17.45             | 17.18             | 22.07  | 18.81         | 12.18 |       |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 7.5  | 24.97 | 21.71 | 15.08 | 25.35 | 25.08 | 20.35             | 20.08             | 20.35             | 20.08             | 24.97  | 21.71         | 15.08 |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 10.5 | 35.45 | 32.19 | 25.62 | 35.85 | 35.52 | 31.15             | 30.82             | 31.15             | 30.82             | 35.45  | 32.19         | 25.62 |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 1.5  | 17.57 | 14.31 | 7.75  | 17.97 | 17.75 | 12.97             | 12.75             | 12.97             | 12.75             | 17.57  | 14.31         | 7.75  |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 4.5  | 19.17 | 15.90 | 9.35  | 19.57 | 19.35 | 14.57             | 14.35             | 14.57             | 14.35             | 19.17  | 15.90         | 9.35  |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 7.5  | 21.35 | 18.08 | 11.53 | 21.75 | 21.53 | 16.75             | 16.53             | 16.75             | 16.53             | 21.35  | 18.08         | 11.53 |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 10.5 | 23.85 | 20.99 | 14.03 | 24.25 | 24.03 | 19.25             | 19.03             | 19.25             | 19.03             | 23.85  | 20.99         | 14.03 |       |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 1.5  | 8.21  | 4.94  | -1.61 | 8.61  | 8.39  | 3.61              | 3.39              | 3.61              | 3.39              | 8.21   | 4.94          | -1.61 |       |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 7.5  | 9.13  | 5.86  | -6.69 | 9.53  | 9.31  | 4.53              | 4.31              | 4.53              | 4.31              | 9.13   | 5.86          | -6.69 |       |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 10.5 | 7.46  | 4.20  | -2.36 | 7.86  | 7.64  | 2.86              | 2.64              | 2.86              | 2.64              | 7.46   | 4.20          | -2.36 |       |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 4.5  | 32.23 | 25.89 | 24.38 | 31.01 | 32.79 | 26.45             | 27.99             | 26.45             | 27.99             | 32.23  | 25.89         | 24.38 |       |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 7.5  | 33.81 | 30.62 | 27.24 | 35.53 | 37.24 | 32.17             | 33.89             | 32.17             | 33.89             | 33.81  | 30.62         | 27.24 |       |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 10.5 | 35.03 | 31.90 | 28.48 | 36.77 | 38.48 | 33.64             | 35.37             | 33.64             | 35.37             | 35.03  | 31.90         | 28.48 |       |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 1.5  | 25.97 | 22.39 | 19.27 | 27.57 | 29.27 | 22.57             | 24.27             | 22.57             | 24.27             | 25.97  | 22.39         | 19.27 |       |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 7.5  | 27.97 | 23.16 | 17.75 | 30.27 | 31.75 | 25.27             | 26.75             | 25.27             | 26.75             | 27.97  | 23.16         | 17.75 |       |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 10.5 | 33.74 | 30.16 | 27.05 | 35.34 | 37.05 | 30.34             | 32.05             | 30.34             | 32.05             | 33.74  | 30.16         | 27.05 |       |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 10.5 | 40.68 | 37.10 | 33.99 | 42.28 | 43.99 | 37.28             | 38.99             | 37.28             | 38.99             | 40.68  | 37.10         | 33.99 |       |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 1.5  | 12.13 | 8.86  | 2.24  | 12.50 | 12.24 | 7.50              | 7.24              | 7.50              | 7.24              | 12.13  | 8.86          | 2.24  |       |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 4.5  | 11.74 | 8.47  | 1.85  | 12.11 | 11.85 | 7.11              | 6.85              | 7.11              | 6.85              | 11.74  | 8.47          | 1.85  |       |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 7.5  | 15.16 | 11.89 | 5.27  | 15.53 | 15.27 | 10.53             | 10.27             | 10.53             | 10.27             | 15.16  | 11.89         | 5.27  |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 1.5  | 35.45 | 32.19 | 25.62 | 35.85 | 35.62 | 30.85             | 30.62             | 30.85             | 30.62             | 35.45  | 32.19         | 25.62 |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 4.5  | 36.97 | 33.71 | 27.14 | 37.37 | 37.14 | 32.37             | 32.14             | 32.37             | 32.14             | 36.97  | 33.71         | 27.14 |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 7.5  | 37.81 | 34.54 | 27.98 | 38.20 | 37.98 | 33.20             | 32.98             | 33.20             | 32.98             | 37.81  | 34.54         | 27.98 |       |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 10.5 | 39.65 | 36.39 | 29.51 | 40.05 | 39.78 | 35.05             | 34.78             | 35.05             | 34.78             | 39.65  | 36.39         | 29.51 |       |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 1.5  | 40.09 | 45.83 | 39.26 | 49.49 | 49.26 | 44.49             | 44.26             | 44.49             | 44.26             | 40.09  | 45.83         | 39.26 |       |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 4.5  | 49.79 | 46.52 | 39.95 | 50.18 | 49.95 | 45.18             | 44.95             | 45.18             | 44.95             | 49.79  | 46.52         | 39.95 |       |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 7.5  | 48.76 | 46.50 | 39.93 | 50.16 | 49.93 | 45.16             | 44.93             | 45.16             | 44.93             | 48.76  | 46.50         | 39.93 |       |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 10.5 | 48.65 | 46.39 | 39.82 | 50.05 | 49.82 | 45.05             | 44.82             | 45.05             | 44.82             | 48.65  | 46.39         | 39.82 |       |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 1.5  | 39.65 | 36.26 | 33.28 | 41.44 | 43.28 | 39.05             | 40.89             | 39.05             | 40.89             | 39.65  | 36.26         | 33.28 |       |       |

WinHawk-LT 8.51 (c) dirActivity-software

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## Bugel Hajeña

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| nr | z1  | m1 adres          | hulpm type | a1w boets | refl kenmerk | hart groep                               | sh | whh  | dag   | avond | nacht | Lden  | Leim  | IL-inc maatregel |                  |                  | VL-excl optrektoeslag |       |       |       |  |  |
|----|-----|-------------------|------------|-----------|--------------|------------------------------------------|----|------|-------|-------|-------|-------|-------|------------------|------------------|------------------|-----------------------|-------|-------|-------|--|--|
|    |     |                   |            |           |              |                                          |    |      |       |       |       |       |       | VL-inc. affrak   | VL-inc. prognose | RL-inc. prognose | VL-excl optrektoeslag | dag   | avond | nacht |  |  |
| 9  | 0.0 | 0.0 De Nieuwpoort | gevel      | 4.2       |              | VL 4                                     | 1  | 4.5  | 42.65 | 39.30 | 36.29 | 44.45 | 46.29 | 42.05            | 43.89            |                  | 42.65                 | 39.30 | 36.29 |       |  |  |
|    |     |                   |            |           |              | VL 4                                     | 1  | 7.5  | 46.13 | 42.87 | 39.81 | 47.97 | 49.81 | 45.42            | 47.28            |                  | 46.13                 | 42.87 | 39.81 |       |  |  |
|    |     |                   |            |           |              | VL 4                                     | 1  | 10.5 | 48.27 | 46.03 | 43.08 | 51.18 | 53.08 | 48.88            | 50.00            |                  | 48.27                 | 46.03 | 43.08 |       |  |  |
|    |     |                   |            |           |              | VL 5                                     | 1  | 4.5  | 25.91 | 22.33 | 19.21 | 27.51 | 29.21 | 22.51            | 24.21            |                  | 25.91                 | 22.33 | 19.21 |       |  |  |
|    |     |                   |            |           |              | VL 5                                     | 1  | 7.5  | 28.62 | 25.04 | 21.93 | 30.22 | 31.93 | 25.22            | 26.93            |                  | 28.62                 | 25.04 | 21.93 |       |  |  |
|    |     |                   |            |           |              | VL 5                                     | 1  | 10.5 | 32.46 | 28.88 | 25.77 | 34.06 | 35.77 | 29.06            | 30.77            |                  | 32.46                 | 28.88 | 25.77 |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 1.5  | 20.04 | 16.77 | 10.15 | 20.41 | 20.15 | 15.41            | 15.15            |                  | 20.04                 | 16.77 | 10.15 |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 4.5  | 22.62 | 19.96 | 12.73 | 23.00 | 22.73 | 18.00            | 17.73            |                  | 22.62                 | 19.96 | 12.73 |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 7.5  | 25.18 | 22.55 | 15.93 | 26.19 | 25.93 | 21.19            | 20.93            |                  | 25.18                 | 22.55 | 15.93 |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 10.5 | 29.79 | 26.53 | 19.91 | 30.17 | 29.91 | 25.17            | 24.91            |                  | 29.79                 | 26.53 | 19.91 |       |  |  |
|    |     |                   |            |           |              | VL 2                                     | 1  | 1.5  | 17.68 | 14.42 | 7.86  | 18.08 | 17.86 | 13.08            | 12.86            |                  | 17.68                 | 14.42 | 7.86  |       |  |  |
|    |     |                   |            |           |              | VL 2                                     | 1  | 4.5  | 19.85 | 16.59 | 10.04 | 20.25 | 20.04 | 15.25            | 15.04            |                  | 19.85                 | 16.59 | 10.04 |       |  |  |
|    |     |                   |            |           |              | VL 2                                     | 1  | 7.5  | 22.10 | 18.84 | 12.29 | 22.50 | 22.29 | 17.50            | 17.29            |                  | 22.10                 | 18.84 | 12.29 |       |  |  |
|    |     |                   |            |           |              | VL 2                                     | 1  | 10.5 | 24.76 | 21.50 | 14.64 | 25.16 | 24.94 | 20.16            | 19.94            |                  | 24.76                 | 21.50 | 14.64 |       |  |  |
|    |     |                   |            |           |              | VL 3                                     | 1  | 1.5  | 21.58 | 18.32 | 11.75 | 21.98 | 21.75 | 16.98            | 16.75            |                  | 21.58                 | 18.32 | 11.75 |       |  |  |
|    |     |                   |            |           |              | VL 3                                     | 1  | 4.5  | 21.71 | 18.45 | 11.88 | 22.11 | 21.88 | 17.11            | 16.88            |                  | 21.71                 | 18.45 | 11.88 |       |  |  |
|    |     |                   |            |           |              | VL 3                                     | 1  | 7.5  | 24.48 | 21.22 | 14.65 | 24.89 | 24.62 | 19.12            | 18.85            |                  | 24.48                 | 21.22 | 14.65 |       |  |  |
|    |     |                   |            |           |              | VL 4                                     | 1  | 10.5 | 27.35 | 24.09 | 17.52 | 27.76 | 27.49 | 22.02            | 21.75            |                  | 27.35                 | 24.09 | 17.52 |       |  |  |
|    |     |                   |            |           |              | VL 4                                     | 1  | 4.5  | 32.69 | 29.44 | 26.39 | 34.54 | 36.39 | 31.59            | 33.43            |                  | 32.69                 | 29.44 | 26.39 |       |  |  |
|    |     |                   |            |           |              | VL 4                                     | 1  | 7.5  | 35.20 | 31.99 | 28.86 | 37.04 | 38.86 | 33.59            | 35.42            |                  | 35.20                 | 31.99 | 28.86 |       |  |  |
|    |     |                   |            |           |              | VL 4                                     | 1  | 10.5 | 38.34 | 35.18 | 32.08 | 40.52 | 42.34 | 36.88            | 38.70            |                  | 38.34                 | 35.18 | 32.08 |       |  |  |
|    |     |                   |            |           |              | VL 5                                     | 1  | 4.5  | 23.08 | 20.18 | 13.63 | 23.48 | 23.18 | 18.08            | 17.78            |                  | 23.08                 | 20.18 | 13.63 |       |  |  |
|    |     |                   |            |           |              | VL 5                                     | 1  | 7.5  | 25.28 | 22.40 | 15.88 | 25.68 | 25.38 | 21.68            | 21.38            |                  | 25.28                 | 22.40 | 15.88 |       |  |  |
|    |     |                   |            |           |              | VL 5                                     | 1  | 10.5 | 27.33 | 24.65 | 18.13 | 27.73 | 27.43 | 22.13            | 21.83            |                  | 27.33                 | 24.65 | 18.13 |       |  |  |
| 10 | 0.0 | 0.0 De Nieuwpoort | gevel      | 5.1       |              | VL 5                                     | 1  | 10.5 | 40.33 | 36.75 | 33.64 | 41.53 | 43.64 | 36.93            | 38.64            |                  | 40.33                 | 36.75 | 33.64 |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 1.5  | 12.10 | 8.84  | 2.22  | 12.48 | 12.22 | 7.48             | 7.22             |                  | 12.10                 | 8.84  | 2.22  |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 4.5  | 15.67 | 8.40  | 1.78  | 12.04 | 11.78 | 7.04             | 6.78             |                  | 15.67                 | 8.40  | 1.78  |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 7.5  | 12.57 | 9.30  | 2.68  | 12.94 | 12.68 | 7.94             | 7.68             |                  | 12.57                 | 9.30  | 2.68  |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 10.5 | 13.96 | 10.39 | 3.67  | 14.33 | 14.07 | 9.37             | 9.11             |                  | 13.96                 | 10.39 | 3.67  |       |  |  |
|    |     |                   |            |           |              | VL 2                                     | 1  | 1.5  | 13.66 | 10.39 | 2.61  | 14.03 | 13.77 | 9.03             | 8.77             |                  | 13.66                 | 10.39 | 2.61  |       |  |  |
|    |     |                   |            |           |              | VL 2                                     | 1  | 4.5  | 16.74 | 13.47 | 6.91  | 17.13 | 16.91 | 12.13            | 11.91            |                  | 16.74                 | 13.47 | 6.91  |       |  |  |
|    |     |                   |            |           |              | VL 2                                     | 1  | 7.5  | 19.85 | 16.57 | 9.86  | 20.25 | 20.04 | 15.25            | 15.04            |                  | 19.85                 | 16.57 | 9.86  |       |  |  |
|    |     |                   |            |           |              | VL 2                                     | 1  | 10.5 | 22.97 | 19.69 | 12.97 | 23.36 | 23.09 | 18.09            | 17.82            |                  | 22.97                 | 19.69 | 12.97 |       |  |  |
|    |     |                   |            |           |              | VL 2                                     | 1  | 4.5  | 28.16 | 24.91 | 21.83 | 29.56 | 31.41 | 26.26            | 28.11            |                  | 28.16                 | 24.91 | 21.83 |       |  |  |
|    |     |                   |            |           |              | VL 2                                     | 1  | 7.5  | 30.17 | 26.90 | 23.84 | 31.86 | 33.71 | 28.56            | 30.41            |                  | 30.17                 | 26.90 | 23.84 |       |  |  |
|    |     |                   |            |           |              | VL 3                                     | 1  | 1.5  | 48.02 | 45.75 | 39.18 | 49.41 | 49.18 | 44.41            | 44.18            |                  | 48.02                 | 45.75 | 39.18 |       |  |  |
|    |     |                   |            |           |              | VL 3                                     | 1  | 4.5  | 48.89 | 46.42 | 39.85 | 50.08 | 49.85 | 45.08            | 44.85            |                  | 48.89                 | 46.42 | 39.85 |       |  |  |
|    |     |                   |            |           |              | VL 3                                     | 1  | 7.5  | 48.67 | 46.40 | 39.83 | 50.06 | 49.83 | 45.06            | 44.83            |                  | 48.67                 | 46.40 | 39.83 |       |  |  |
|    |     |                   |            |           |              | VL 3                                     | 1  | 10.5 | 48.56 | 46.29 | 39.73 | 49.85 | 49.73 | 44.95            | 44.73            |                  | 48.56                 | 46.29 | 39.73 |       |  |  |
|    |     |                   |            |           |              | VL 4                                     | 1  | 1.5  | 39.30 | 36.07 | 32.66 | 41.13 | 42.66 | 38.89            | 40.71            |                  | 39.30                 | 36.07 | 32.66 |       |  |  |
|    |     |                   |            |           |              | VL 4                                     | 1  | 4.5  | 42.34 | 39.14 | 36.01 | 44.18 | 46.01 | 41.91            | 43.74            |                  | 42.34                 | 39.14 | 36.01 |       |  |  |
|    |     |                   |            |           |              | VL 4                                     | 1  | 7.5  | 45.94 | 42.77 | 39.65 | 47.81 | 49.65 | 45.35            | 47.21            |                  | 45.94                 | 42.77 | 39.65 |       |  |  |
|    |     |                   |            |           |              | VL 4                                     | 1  | 10.5 | 48.22 | 46.06 | 43.04 | 51.15 | 53.04 | 48.72            | 50.64            |                  | 48.22                 | 46.06 | 43.04 |       |  |  |
|    |     |                   |            |           |              | VL 5                                     | 1  | 4.5  | 27.98 | 24.38 | 21.27 | 29.56 | 31.27 | 27.59            | 29.29            |                  | 27.98                 | 24.41 | 19.29 |       |  |  |
|    |     |                   |            |           |              | VL 5                                     | 1  | 7.5  | 31.29 | 27.71 | 24.60 | 32.89 | 34.60 | 27.89            | 29.60            |                  | 31.29                 | 27.71 | 24.60 |       |  |  |
|    |     |                   |            |           |              | VL 5                                     | 1  | 10.5 | 34.03 | 30.45 | 27.34 | 35.63 | 37.34 | 30.63            | 32.34            |                  | 34.03                 | 30.45 | 27.34 |       |  |  |
| 11 | 0.0 | 0.0 De Nieuwpoort | gevel      | 5.2       |              | VL 1                                     | 1  | 1.5  | 19.79 | 16.52 | 9.86  | 20.16 | 19.90 | 15.16            | 14.90            |                  | 19.79                 | 16.52 | 9.86  |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 4.5  | 22.89 | 19.36 | 12.77 | 23.29 | 23.02 | 18.03            | 17.77            |                  | 22.89                 | 19.36 | 12.77 |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 7.5  | 25.15 | 22.88 | 16.26 | 26.52 | 26.26 | 21.52            | 21.26            |                  | 25.15                 | 22.88 | 16.26 |       |  |  |
|    |     |                   |            |           |              | VL 1                                     | 1  | 10.5 | 30.52 | 27.25 | 20.63 | 30.89 | 30.63 | 25.89            | 25.63            |                  | 30.52                 | 27.25 | 20.63 |       |  |  |
|    |     |                   |            |           |              | WinHawk-LT 6.51 (c) dirActivity-software |    |      |       |       |       |       |       |                  |                  |                  |                       |       |       |       |  |  |
|    |     |                   |            |           |              | 18.47 15.21 8.65                         |    |      |       |       |       |       |       |                  |                  |                  |                       |       |       |       |  |  |

## Bugel Hajema

| nr | z1  | m1 adres          | huistype | adv.toets | refl | kenmerk | chart | groep | sh | whh  | dag   | avond | nacht | Lden  | Lden  | RL inc. maatregel | RL inc. maatregel | VL inc. maatregel | VL exd. optrekbelasting | dag   | avond | nacht |
|----|-----|-------------------|----------|-----------|------|---------|-------|-------|----|------|-------|-------|-------|-------|-------|-------------------|-------------------|-------------------|-------------------------|-------|-------|-------|
| 12 | 0.0 | 0.0 De Nieuwpoort | gevel    | 6.1       |      |         |       | VL 2  | 1  | 4.5  | 20.79 | 17.53 | 10.97 | 21.19 | 20.97 | 16.19             | 15.97             |                   | 20.79                   | 17.53 | 10.97 |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 7.5  | 22.89 | 19.62 | 13.07 | 23.29 | 23.07 | 18.29             | 18.07             |                   | 22.89                   | 19.62 | 13.07 |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 10.5 | 25.96 | 22.59 | 16.04 | 26.39 | 26.04 | 21.26             | 21.04             |                   | 25.96                   | 22.59 | 16.04 |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 1.5  | 8.85  | 5.58  | -98   | 9.24  | 9.02  | 4.24              | 4.02              |                   | 8.85                    | 5.58  | -98   |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 7.5  | 10.03 | 6.76  | -21   | 10.43 | 10.21 | 5.43              | 5.21              |                   | 10.03                   | 6.76  | -21   |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 10.5 | 8.20  | 5.93  | -62   | 9.60  | 9.38  | 4.90              | 4.38              |                   | 8.20                    | 5.93  | -62   |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 4.5  | 31.76 | 28.51 | 25.53 | 32.16 | 31.93 | 27.16             | 26.93             |                   | 31.76                   | 28.51 | 25.53 |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 7.5  | 33.76 | 30.56 | 27.49 | 34.16 | 33.93 | 29.16             | 28.93             |                   | 33.76                   | 30.56 | 27.49 |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 10.5 | 33.61 | 30.45 | 27.37 | 34.50 | 34.27 | 29.30             | 29.07             |                   | 33.61                   | 30.45 | 27.37 |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 1.5  | 24.49 | 20.91 | 17.79 | 26.09 | 25.79 | 21.09             | 20.79             |                   | 24.49                   | 20.91 | 17.79 |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 4.5  | 29.85 | 26.62 | 23.55 | 30.24 | 29.94 | 25.24             | 24.94             |                   | 29.85                   | 26.62 | 23.55 |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 7.5  | 33.24 | 29.95 | 26.55 | 34.84 | 34.55 | 29.84             | 29.55             |                   | 33.24                   | 29.95 | 26.55 |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 10.5 | 40.99 | 37.41 | 34.29 | 42.59 | 42.29 | 37.59             | 37.29             |                   | 40.99                   | 37.41 | 34.29 |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 1.5  | 12.44 | 9.17  | 2.55  | 12.81 | 12.55 | 7.81              | 7.55              |                   | 12.44                   | 9.17  | 2.55  |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 4.5  | 11.81 | 8.54  | 1.92  | 12.18 | 11.92 | 7.18              | 6.92              |                   | 11.81                   | 8.54  | 1.92  |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 7.5  | 12.93 | 9.66  | 2.81  | 13.30 | 13.04 | 8.24              | 7.98              |                   | 12.93                   | 9.66  | 2.81  |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 10.5 | 15.94 | 10.67 | 4.05  | 14.31 | 14.05 | 9.31              | 9.05              |                   | 15.94                   | 10.67 | 4.05  |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 1.5  | 38.03 | 34.76 | 28.20 | 38.42 | 38.20 | 33.42             | 33.20             |                   | 38.03                   | 34.76 | 28.20 |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 4.5  | 39.92 | 36.65 | 30.09 | 40.31 | 40.09 | 35.31             | 35.09             |                   | 39.92                   | 36.65 | 30.09 |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 7.5  | 40.31 | 37.04 | 30.47 | 40.70 | 40.47 | 35.70             | 35.47             |                   | 40.31                   | 37.04 | 30.47 |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 10.5 | 48.91 | 45.65 | 39.08 | 49.30 | 49.08 | 44.31             | 44.08             |                   | 48.91                   | 45.65 | 39.08 |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 1.5  | 48.91 | 45.65 | 39.08 | 49.31 | 49.08 | 44.31             | 44.08             |                   | 48.91                   | 45.65 | 39.08 |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 4.5  | 48.56 | 46.30 | 38.73 | 48.96 | 48.73 | 44.96             | 44.73             |                   | 48.56                   | 46.30 | 38.73 |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 7.5  | 48.55 | 46.29 | 38.72 | 48.95 | 48.72 | 44.95             | 44.72             |                   | 48.55                   | 46.29 | 38.72 |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 10.5 | 48.45 | 45.29 | 38.72 | 48.95 | 48.72 | 44.95             | 44.72             |                   | 48.45                   | 45.29 | 38.72 |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 1.5  | 45.53 | 42.28 | 35.61 | 45.92 | 45.61 | 40.92             | 40.61             |                   | 45.53                   | 42.28 | 35.61 |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 4.5  | 45.53 | 42.32 | 35.61 | 44.38 | 44.21 | 42.06             | 41.90             |                   | 45.53                   | 42.32 | 35.61 |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 7.5  | 45.94 | 42.78 | 35.64 | 47.80 | 48.64 | 45.27             | 47.13             |                   | 45.94                   | 42.78 | 35.64 |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 10.5 | 48.24 | 45.08 | 43.04 | 51.16 | 53.04 | 48.58             | 50.49             |                   | 48.24                   | 45.08 | 43.04 |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 1.5  | 25.03 | 22.45 | 17.30 | 25.43 | 25.13 | 20.43             | 20.13             |                   | 25.03                   | 22.45 | 17.30 |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 4.5  | 25.03 | 22.45 | 17.30 | 24.59 | 24.29 | 20.59             | 20.29             |                   | 25.03                   | 22.45 | 17.30 |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 7.5  | 30.99 | 27.41 | 24.29 | 32.59 | 34.29 | 27.59             | 29.29             |                   | 30.99                   | 27.41 | 24.29 |       |
| 13 | 0.0 | 0.0 De Nieuwpoort | gevel    | 6.2       |      |         |       | VL 5  | 1  | 10.5 | 34.23 | 30.65 | 27.54 | 35.63 | 37.54 | 30.83             | 32.54             |                   | 34.23                   | 30.65 | 27.54 |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 1.5  | 19.52 | 16.25 | 9.63  | 19.89 | 19.63 | 14.89             | 14.63             |                   | 19.52                   | 16.25 | 9.63  |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 4.5  | 19.52 | 16.25 | 9.63  | 19.89 | 19.63 | 14.89             | 14.63             |                   | 19.52                   | 16.25 | 9.63  |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 7.5  | 20.90 | 18.65 | 12.71 | 21.26 | 21.01 | 16.26             | 16.01             |                   | 20.90                   | 18.65 | 12.71 |       |
|    |     |                   |          |           |      |         |       | VL 1  | 1  | 10.5 | 20.90 | 18.65 | 12.71 | 22.29 | 22.02 | 17.29             | 17.02             |                   | 20.90                   | 18.65 | 12.71 |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 1.5  | 19.11 | 15.85 | 9.29  | 19.51 | 19.29 | 14.51             | 14.29             |                   | 19.11                   | 15.85 | 9.29  |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 4.5  | 21.45 | 18.19 | 11.64 | 21.85 | 21.64 | 16.85             | 16.64             |                   | 21.45                   | 18.19 | 11.64 |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 7.5  | 21.45 | 18.19 | 11.64 | 21.85 | 21.64 | 16.85             | 16.64             |                   | 21.45                   | 18.19 | 11.64 |       |
|    |     |                   |          |           |      |         |       | VL 2  | 1  | 10.5 | 20.97 | 23.60 | 18.95 | 27.17 | 26.95 | 22.17             | 21.95             |                   | 20.97                   | 23.60 | 18.95 |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 1.5  | 11.85 | 8.59  | 2.03  | 12.25 | 12.03 | 7.25              | 7.03              |                   | 11.85                   | 8.59  | 2.03  |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 4.5  | 15.32 | 12.06 | 5.49  | 15.72 | 15.49 | 10.72             | 10.49             |                   | 15.32                   | 12.06 | 5.49  |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 7.5  | 17.04 | 13.77 | 7.20  | 17.43 | 17.20 | 12.43             | 12.20             |                   | 17.04                   | 13.77 | 7.20  |       |
|    |     |                   |          |           |      |         |       | VL 3  | 1  | 10.5 | 17.04 | 13.77 | 7.20  | 18.43 | 18.19 | 13.63             | 13.39             |                   | 17.04                   | 13.77 | 7.20  |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 1.5  | 29.85 | 25.62 | 22.55 | 30.70 | 32.55 | 28.67             | 30.51             |                   | 29.85                   | 25.62 | 22.55 |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 4.5  | 29.90 | 26.67 | 23.63 | 31.77 | 33.63 | 29.73             | 31.59             |                   | 29.90                   | 26.67 | 23.63 |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 7.5  | 31.58 | 28.35 | 25.35 | 33.47 | 35.35 | 31.44             | 33.32             |                   | 31.58                   | 28.35 | 25.35 |       |
|    |     |                   |          |           |      |         |       | VL 4  | 1  | 10.5 | 33.02 | 29.80 | 26.80 | 34.92 | 36.80 | 32.89             | 34.78             |                   | 33.02                   | 29.80 | 26.80 |       |
|    |     |                   |          |           |      |         |       | VL 5  | 1  | 1.5  | 24.85 | 21.27 | 16.16 | 25.45 | 25.16 | 21.45             | 21.16             |                   | 24.85                   | 21.27 | 16.16 |       |

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## Bugel Højema

| nr   | z1  | m1 adres          | hulsm type | a1w bo1ts | ref1 kenmerk | m1art groep | sh    | wh1   | dag   | avond | nacht | IL- inc. maatregel |                   |       | VL- inc. prognose |       |       | VL- exci. optrektoeslag |       |       |       |
|------|-----|-------------------|------------|-----------|--------------|-------------|-------|-------|-------|-------|-------|--------------------|-------------------|-------|-------------------|-------|-------|-------------------------|-------|-------|-------|
|      |     |                   |            |           |              |             |       |       |       |       |       | VL- inc. attract   | RL- inc. prognose | Lden  | Lden              | Lden  | Lden  | VL- exci. optrektoeslag | dag   | avond | nacht |
| 14   | 0.0 | 0.0 De Nieuwpoort | gevel      | 7.1       |              | VL 5        | 1     | 4.5   | 28.02 | 24.44 | 21.33 | 29.62              | 31.33             | 24.62 | 26.33             | 28.02 | 24.44 | 21.33                   | 28.02 | 24.44 | 21.33 |
|      |     |                   |            |           |              | VL 5        | 1     | 7.5   | 33.09 | 29.51 | 26.40 | 34.69              | 36.40             | 29.69 | 31.40             | 33.09 | 29.51 | 26.40                   | 33.09 | 29.51 | 26.40 |
|      |     |                   |            |           |              | VL 1        | 1     | 10.5  | 41.41 | 37.83 | 34.71 | 43.01              | 44.71             | 38.01 | 39.71             | 41.41 | 37.83 | 34.71                   | 41.41 | 37.83 | 34.71 |
|      |     |                   |            |           |              | VL 1        | 1     | 4.5   | 13.21 | 9.94  | 3.32  | 13.89              | 13.32             | 8.69  | 9.32              | 13.21 | 9.94  | 3.32                    | 13.21 | 9.94  | 3.32  |
|      |     |                   |            |           |              | VL 1        | 1     | 7.5   | 15.60 | 12.71 | 9.81  | 16.28              | 15.71             | 11.00 | 11.81             | 15.60 | 12.71 | 9.81                    | 15.60 | 12.71 | 9.81  |
|      |     |                   |            |           |              | VL 1        | 1     | 7.5   | 13.60 | 10.33 | 3.71  | 13.97              | 13.71             | 8.97  | 8.71              | 13.60 | 10.33 | 3.71                    | 13.60 | 10.33 | 3.71  |
|      |     |                   |            |           |              | VL 1        | 1     | 10.5  | 14.91 | 11.64 | 5.02  | 15.28              | 15.02             | 10.28 | 10.02             | 14.91 | 11.64 | 5.02                    | 14.91 | 11.64 | 5.02  |
|      |     |                   |            |           |              | VL 2        | 1     | 1.5   | 39.70 | 36.44 | 26.87 | 40.10              | 39.87             | 35.10 | 34.87             | 39.70 | 36.44 | 26.87                   | 39.70 | 36.44 | 26.87 |
|      |     |                   |            |           |              | VL 2        | 1     | 4.5   | 41.55 | 38.28 | 31.72 | 41.94              | 41.72             | 36.94 | 36.72             | 41.55 | 38.28 | 31.72                   | 41.55 | 38.28 | 31.72 |
|      |     |                   |            |           |              | VL 2        | 1     | 7.5   | 41.80 | 38.53 | 31.66 | 42.22              | 41.99             | 37.22 | 36.99             | 41.80 | 38.53 | 31.66                   | 41.80 | 38.53 | 31.66 |
|      |     |                   |            |           |              | VL 3        | 1     | 1.5   | 48.77 | 45.51 | 38.84 | 49.17              | 48.84             | 44.17 | 43.94             | 48.77 | 45.51 | 38.84                   | 48.77 | 45.51 | 38.84 |
|      |     |                   |            |           |              | VL 3        | 1     | 4.5   | 48.40 | 46.13 | 39.56 | 48.79              | 48.56             | 44.79 | 44.56             | 48.40 | 46.13 | 39.56                   | 48.40 | 46.13 | 39.56 |
|      |     |                   |            |           |              | VL 3        | 1     | 7.5   | 48.39 | 46.13 | 39.56 | 48.79              | 48.56             | 44.79 | 44.56             | 48.39 | 46.13 | 39.56                   | 48.39 | 46.13 | 39.56 |
|      |     |                   |            |           |              | VL 4        | 1     | 10.5  | 48.27 | 46.01 | 39.44 | 48.67              | 48.44             | 44.67 | 44.44             | 48.27 | 46.01 | 39.44                   | 48.27 | 46.01 | 39.44 |
| 15   | 0.0 | 0.0 De Nieuwpoort | gevel      | 7.2       |              | VL 1        | 1     | 1.5   | 39.91 | 36.67 | 33.60 | 41.76              | 43.60             | 39.48 | 41.33             | 39.91 | 36.67 | 33.60                   | 39.91 | 36.67 | 33.60 |
|      |     |                   |            |           |              | VL 4        | 1     | 7.5   | 43.19 | 39.97 | 36.93 | 45.06              | 46.93             | 42.77 | 44.64             | 43.19 | 39.97 | 36.93                   | 43.19 | 39.97 | 36.93 |
|      |     |                   |            |           |              | VL 4        | 1     | 10.5  | 48.43 | 43.25 | 40.20 | 48.33              | 50.20             | 45.93 | 47.82             | 48.43 | 43.25 | 40.20                   | 48.43 | 43.25 | 40.20 |
|      |     |                   |            |           |              | VL 4        | 1     | 10.5  | 48.46 | 46.30 | 43.31 | 51.40              | 53.31             | 48.94 | 50.87             | 48.46 | 46.30 | 43.31                   | 48.46 | 46.30 | 43.31 |
|      |     |                   |            |           |              | VL 5        | 1     | 1.5   | 26.86 | 23.28 | 20.17 | 28.46              | 30.17             | 23.46 | 25.17             | 26.86 | 23.28 | 20.17                   | 26.86 | 23.28 | 20.17 |
|      |     |                   |            |           |              | VL 5        | 1     | 4.5   | 29.24 | 25.66 | 22.55 | 30.84              | 32.55             | 25.84 | 27.55             | 29.24 | 25.66 | 22.55                   | 29.24 | 25.66 | 22.55 |
|      |     |                   |            |           |              | VL 5        | 1     | 7.5   | 33.33 | 29.75 | 26.64 | 34.63              | 36.64             | 29.63 | 31.64             | 33.33 | 29.75 | 26.64                   | 33.33 | 29.75 | 26.64 |
|      |     |                   |            |           |              | VL 5        | 1     | 10.5  | 34.76 | 31.18 | 28.07 | 36.36              | 38.07             | 31.36 | 33.07             | 34.76 | 31.18 | 28.07                   | 34.76 | 31.18 | 28.07 |
|      |     |                   |            |           |              | VL 1        | 1     | 1.5   | 19.32 | 16.05 | 9.43  | 19.69              | 19.43             | 14.39 | 14.13             | 19.32 | 16.05 | 9.43                    | 19.32 | 16.05 | 9.43  |
|      |     |                   |            |           |              | VL 1        | 1     | 4.5   | 22.44 | 19.18 | 12.55 | 22.82              | 22.55             | 17.82 | 17.55             | 22.44 | 19.18 | 12.55                   | 22.44 | 19.18 | 12.55 |
|      |     |                   |            |           |              | VL 1        | 1     | 7.5   | 27.52 | 24.26 | 17.63 | 27.90              | 27.63             | 22.90 | 22.63             | 27.52 | 24.26 | 17.63                   | 27.52 | 24.26 | 17.63 |
|      |     |                   |            |           |              | VL 1        | 1     | 10.5  | 34.01 | 30.75 | 24.13 | 34.39              | 34.13             | 29.39 | 29.13             | 34.01 | 30.75 | 24.13                   | 34.01 | 30.75 | 24.13 |
|      |     |                   |            |           |              | VL 2        | 1     | 1.5   | 19.20 | 15.94 | 9.38  | 19.60              | 19.38             | 14.60 | 14.38             | 19.20 | 15.94 | 9.38                    | 19.20 | 15.94 | 9.38  |
|      |     |                   |            |           |              | VL 2        | 1     | 4.5   | 22.04 | 18.77 | 12.22 | 22.44              | 22.22             | 17.44 | 17.22             | 22.04 | 18.77 | 12.22                   | 22.04 | 18.77 | 12.22 |
| VL 2 | 1   | 7.5               | 24.96      | 21.70     | 15.14        | 25.36       | 25.14 | 20.36 | 20.14 | 24.96 | 21.70 | 15.14              | 24.96             | 21.70 | 15.14             |       |       |                         |       |       |       |
| VL 2 | 1   | 10.5              | 28.58      | 25.31     | 18.76        | 28.98       | 28.76 | 23.98 | 23.76 | 28.58 | 25.31 | 18.76              | 28.58             | 25.31 | 18.76             |       |       |                         |       |       |       |
| VL 3 | 1   | 1.5               | 12.47      | 9.20      | 2.64         | 12.86       | 12.64 | 7.86  | 7.64  | 12.47 | 9.20  | 2.64               | 12.47             | 9.20  | 2.64              |       |       |                         |       |       |       |
| VL 3 | 1   | 7.5               | 18.05      | 14.78     | 8.21         | 18.44       | 18.21 | 13.44 | 13.21 | 18.05 | 14.78 | 8.21               | 18.05             | 14.78 | 8.21              |       |       |                         |       |       |       |
| VL 3 | 1   | 10.5              | 18.05      | 14.78     | 8.21         | 18.44       | 18.21 | 13.44 | 13.21 | 18.05 | 14.78 | 8.21               | 18.05             | 14.78 | 8.21              |       |       |                         |       |       |       |
| VL 3 | 1   | 10.5              | 20.63      | 17.37     | 10.80        | 21.03       | 20.80 | 16.03 | 15.80 | 20.63 | 17.37 | 10.80              | 20.63             | 17.37 | 10.80             |       |       |                         |       |       |       |
| VL 4 | 1   | 1.5               | 28.74      | 25.34     | 22.37        | 30.53       | 32.37 | 28.21 | 30.06 | 28.74 | 25.34 | 22.37              | 28.74             | 25.34 | 22.37             |       |       |                         |       |       |       |
| VL 4 | 1   | 4.5               | 28.94      | 26.55     | 23.58        | 31.74       | 33.58 | 29.43 | 31.28 | 28.94 | 26.55 | 23.58              | 28.94             | 26.55 | 23.58             |       |       |                         |       |       |       |
| VL 4 | 1   | 7.5               | 31.83      | 28.48     | 22.55        | 33.67       | 35.55 | 31.45 | 33.33 | 31.83 | 28.48 | 22.55              | 31.83             | 28.48 | 22.55             |       |       |                         |       |       |       |
| VL 4 | 1   | 10.5              | 31.83      | 28.48     | 22.55        | 33.67       | 35.55 | 31.45 | 33.33 | 31.83 | 28.48 | 22.55              | 31.83             | 28.48 | 22.55             |       |       |                         |       |       |       |
| VL 5 | 1   | 1.5               | 26.16      | 22.88     | 19.46        | 27.76       | 29.46 | 22.76 | 24.46 | 26.16 | 22.88 | 19.46              | 26.16             | 22.88 | 19.46             |       |       |                         |       |       |       |
| VL 5 | 1   | 4.5               | 28.16      | 24.58     | 21.46        | 29.76       | 31.46 | 24.76 | 26.46 | 28.16 | 24.58 | 21.46              | 28.16             | 24.58 | 21.46             |       |       |                         |       |       |       |
| VL 5 | 1   | 7.5               | 31.82      | 28.24     | 25.12        | 33.42       | 35.12 | 28.42 | 30.12 | 31.82 | 28.24 | 25.12              | 31.82             | 28.24 | 25.12             |       |       |                         |       |       |       |
| VL 5 | 1   | 10.5              | 31.70      | 28.12     | 25.00        | 33.30       | 35.00 | 28.30 | 30.00 | 31.70 | 28.12 | 25.00              | 31.70             | 28.12 | 25.00             |       |       |                         |       |       |       |
| VL 1 | 1   | 1.5               | 30.15      | 26.89     | 20.27        | 30.53       | 30.27 | 25.53 | 25.27 | 30.15 | 26.89 | 20.27              | 30.15             | 26.89 | 20.27             |       |       |                         |       |       |       |
| VL 1 | 1   | 7.5               | 30.48      | 27.21     | 20.60        | 30.86       | 30.60 | 25.86 | 25.60 | 30.48 | 27.21 | 20.60              | 30.48             | 27.21 | 20.60             |       |       |                         |       |       |       |
| VL 1 | 1   | 10.5              | 33.31      | 29.04     | 22.42        | 32.68       | 32.42 | 27.68 | 27.42 | 33.31 | 29.04 | 22.42              | 33.31             | 29.04 | 22.42             |       |       |                         |       |       |       |
| VL 2 | 1   | 1.5               | 43.40      | 40.14     | 33.57        | 43.80       | 43.57 | 38.80 | 38.57 | 43.40 | 40.14 | 33.57              | 43.40             | 40.14 | 33.57             |       |       |                         |       |       |       |
| VL 2 | 1   | 4.5               | 44.72      | 41.46     | 34.89        | 45.12       | 44.89 | 40.12 | 39.89 | 44.72 | 41.46 | 34.89              | 44.72             | 41.46 | 34.89             |       |       |                         |       |       |       |
| VL 2 | 1   | 7.5               | 44.86      | 41.59     | 35.02        | 45.25       | 45.02 | 40.25 | 40.02 | 44.86 | 41.59 | 35.02              | 44.86             | 41.59 | 35.02             |       |       |                         |       |       |       |
| VL 3 | 1   | 1.5               | 48.51      | 45.24     | 38.68        | 48.90       | 48.68 | 43.90 | 43.68 | 48.51 | 45.24 | 38.68              | 48.51             | 45.24 | 38.68             |       |       |                         |       |       |       |

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| nr   | z1  | m1 adres          | huistype | afltoets | refl  | kennmerk | chart | groep | sh  | whh               | dag   | avond | nacht | Lden  | Lden  | Lden  | IL inc. maatregel<br>inc. maatregel<br>RL inc. propose | VL evd opmaatregel | VL evd opmaatregel |       |       |
|------|-----|-------------------|----------|----------|-------|----------|-------|-------|-----|-------------------|-------|-------|-------|-------|-------|-------|--------------------------------------------------------|--------------------|--------------------|-------|-------|
|      |     |                   |          |          |       |          |       |       |     |                   |       |       |       |       |       |       |                                                        |                    |                    |       |       |
| 17   | 0.0 | 0.0 De Nieuwpoort | gevel    | 8.2      |       |          |       | VL 3  | 1   | 4.5               | 49.06 | 45.79 | 39.23 | 44.45 | 44.23 | 44.45 | 44.23                                                  | 44.45              | 44.23              |       |       |
|      |     |                   |          |          |       |          |       | VL 3  | 1   | 7.5               | 49.07 | 45.81 | 39.24 | 44.47 | 44.24 | 44.47 | 44.24                                                  | 44.47              | 44.24              | 44.47 | 44.24 |
|      |     |                   |          |          |       |          |       | VL 3  | 1   | 10.5              | 48.95 | 45.69 | 39.12 | 44.35 | 44.12 | 44.35 | 44.12                                                  | 44.35              | 44.12              | 44.35 | 44.12 |
|      |     |                   |          |          |       |          |       | VL 4  | 1   | 4.5               | 49.08 | 45.84 | 39.12 | 44.48 | 44.24 | 44.48 | 44.24                                                  | 44.48              | 44.24              | 44.48 | 44.24 |
|      |     |                   |          |          |       |          |       | VL 4  | 1   | 7.5               | 49.09 | 45.85 | 39.13 | 44.49 | 44.25 | 44.49 | 44.25                                                  | 44.49              | 44.25              | 44.49 | 44.25 |
|      |     |                   |          |          |       |          |       | VL 4  | 1   | 10.5              | 49.10 | 45.86 | 39.14 | 44.50 | 44.26 | 44.50 | 44.26                                                  | 44.50              | 44.26              | 44.50 | 44.26 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 4.5               | 49.11 | 45.87 | 39.15 | 44.51 | 44.27 | 44.51 | 44.27                                                  | 44.51              | 44.27              | 44.51 | 44.27 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 7.5               | 49.12 | 45.88 | 39.16 | 44.52 | 44.28 | 44.52 | 44.28                                                  | 44.52              | 44.28              | 44.52 | 44.28 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 10.5              | 49.13 | 45.89 | 39.17 | 44.53 | 44.29 | 44.53 | 44.29                                                  | 44.53              | 44.29              | 44.53 | 44.29 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 4.5               | 49.14 | 45.90 | 39.18 | 44.54 | 44.30 | 44.54 | 44.30                                                  | 44.54              | 44.30              | 44.54 | 44.30 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 7.5               | 49.15 | 45.91 | 39.19 | 44.55 | 44.31 | 44.55 | 44.31                                                  | 44.55              | 44.31              | 44.55 | 44.31 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 10.5              | 49.16 | 45.92 | 39.20 | 44.56 | 44.32 | 44.56 | 44.32                                                  | 44.56              | 44.32              | 44.56 | 44.32 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 4.5               | 49.17 | 45.93 | 39.21 | 44.57 | 44.33 | 44.57 | 44.33                                                  | 44.57              | 44.33              | 44.57 | 44.33 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 7.5               | 49.18 | 45.94 | 39.22 | 44.58 | 44.34 | 44.58 | 44.34                                                  | 44.58              | 44.34              | 44.58 | 44.34 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 10.5              | 49.19 | 45.95 | 39.23 | 44.59 | 44.35 | 44.59 | 44.35                                                  | 44.59              | 44.35              | 44.59 | 44.35 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 4.5               | 49.20 | 45.96 | 39.24 | 44.60 | 44.36 | 44.60 | 44.36                                                  | 44.60              | 44.36              | 44.60 | 44.36 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 7.5               | 49.21 | 45.97 | 39.25 | 44.61 | 44.37 | 44.61 | 44.37                                                  | 44.61              | 44.37              | 44.61 | 44.37 |
|      |     |                   |          |          |       |          |       | VL 5  | 1   | 10.5              | 49.22 | 45.98 | 39.26 | 44.62 | 44.38 | 44.62 | 44.38                                                  | 44.62              | 44.38              | 44.62 | 44.38 |
|      |     |                   |          |          |       |          |       | 18    | 0.0 | 0.0 De Nieuwpoort | gevel | 8.3   |       |       |       | VL 5  | 1                                                      | 4.5                | 49.23              | 45.99 | 39.26 |
| VL 5 | 1   | 7.5               | 49.24    | 46.00    | 39.27 | 44.64    | 44.41 |       |     |                   |       |       |       |       |       | 44.64 | 44.41                                                  | 44.64              | 44.41              | 44.64 | 44.41 |
| VL 5 | 1   | 10.5              | 49.25    | 46.01    | 39.28 | 44.65    | 44.42 |       |     |                   |       |       |       |       |       | 44.65 | 44.42                                                  | 44.65              | 44.42              | 44.65 | 44.42 |
| VL 5 | 1   | 4.5               | 49.26    | 46.02    | 39.29 | 44.66    | 44.43 |       |     |                   |       |       |       |       |       | 44.66 | 44.43                                                  | 44.66              | 44.43              | 44.66 | 44.43 |
| VL 5 | 1   | 7.5               | 49.27    | 46.03    | 39.30 | 44.67    | 44.44 |       |     |                   |       |       |       |       |       | 44.67 | 44.44                                                  | 44.67              | 44.44              | 44.67 | 44.44 |
| VL 5 | 1   | 10.5              | 49.28    | 46.04    | 39.31 | 44.68    | 44.45 |       |     |                   |       |       |       |       |       | 44.68 | 44.45                                                  | 44.68              | 44.45              | 44.68 | 44.45 |
| VL 5 | 1   | 4.5               | 49.29    | 46.05    | 39.32 | 44.69    | 44.46 |       |     |                   |       |       |       |       |       | 44.69 | 44.46                                                  | 44.69              | 44.46              | 44.69 | 44.46 |
| VL 5 | 1   | 7.5               | 49.30    | 46.06    | 39.33 | 44.70    | 44.47 |       |     |                   |       |       |       |       |       | 44.70 | 44.47                                                  | 44.70              | 44.47              | 44.70 | 44.47 |
| VL 5 | 1   | 10.5              | 49.31    | 46.07    | 39.34 | 44.71    | 44.48 |       |     |                   |       |       |       |       |       | 44.71 | 44.48                                                  | 44.71              | 44.48              | 44.71 | 44.48 |
| VL 5 | 1   | 4.5               | 49.32    | 46.08    | 39.35 | 44.72    | 44.49 |       |     |                   |       |       |       |       |       | 44.72 | 44.49                                                  | 44.72              | 44.49              | 44.72 | 44.49 |
| VL 5 | 1   | 7.5               | 49.33    | 46.09    | 39.36 | 44.73    | 44.50 |       |     |                   |       |       |       |       |       | 44.73 | 44.50                                                  | 44.73              | 44.50              | 44.73 | 44.50 |
| VL 5 | 1   | 10.5              | 49.34    | 46.10    | 39.37 | 44.74    | 44.51 |       |     |                   |       |       |       |       |       | 44.74 | 44.51                                                  | 44.74              | 44.51              | 44.74 | 44.51 |
| VL 5 | 1   | 4.5               | 49.35    | 46.11    | 39.38 | 44.75    | 44.52 |       |     |                   |       |       |       |       |       | 44.75 | 44.52                                                  | 44.75              | 44.52              | 44.75 | 44.52 |
| VL 5 | 1   | 7.5               | 49.36    | 46.12    | 39.39 | 44.76    | 44.53 |       |     |                   |       |       |       |       |       | 44.76 | 44.53                                                  | 44.76              | 44.53              | 44.76 | 44.53 |
| VL 5 | 1   | 10.5              | 49.37    | 46.13    | 39.40 | 44.77    | 44.54 |       |     |                   |       |       |       |       |       | 44.77 | 44.54                                                  | 44.77              | 44.54              | 44.77 | 44.54 |
| VL 5 | 1   | 4.5               | 49.38    | 46.14    | 39.41 | 44.78    | 44.55 |       |     |                   |       |       |       |       |       | 44.78 | 44.55                                                  | 44.78              | 44.55              | 44.78 | 44.55 |
| VL 5 | 1   | 7.5               | 49.39    | 46.15    | 39.42 | 44.79    | 44.56 |       |     |                   |       |       |       |       |       | 44.79 | 44.56                                                  | 44.79              | 44.56              | 44.79 | 44.56 |
| VL 5 | 1   | 10.5              | 49.40    | 46.16    | 39.43 | 44.80    | 44.57 |       |     |                   |       |       |       |       |       | 44.80 | 44.57                                                  | 44.80              | 44.57              | 44.80 | 44.57 |
| 19   | 0.0 | 0.0 De Nieuwpoort | gevel    | 9.1      |       |          |       |       |     |                   |       |       |       |       |       | VL 1  | 1                                                      | 4.5                | 49.41              | 46.17 | 39.44 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 7.5               | 49.42 | 46.18 | 39.45 | 44.82 | 44.59 | 44.82 | 44.59                                                  | 44.82              | 44.59              | 44.82 | 44.59 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 10.5              | 49.43 | 46.19 | 39.46 | 44.83 | 44.60 | 44.83 | 44.60                                                  | 44.83              | 44.60              | 44.83 | 44.60 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 4.5               | 49.44 | 46.20 | 39.47 | 44.84 | 44.61 | 44.84 | 44.61                                                  | 44.84              | 44.61              | 44.84 | 44.61 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 7.5               | 49.45 | 46.21 | 39.48 | 44.85 | 44.62 | 44.85 | 44.62                                                  | 44.85              | 44.62              | 44.85 | 44.62 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 10.5              | 49.46 | 46.22 | 39.49 | 44.86 | 44.63 | 44.86 | 44.63                                                  | 44.86              | 44.63              | 44.86 | 44.63 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 4.5               | 49.47 | 46.23 | 39.50 | 44.87 | 44.64 | 44.87 | 44.64                                                  | 44.87              | 44.64              | 44.87 | 44.64 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 7.5               | 49.48 | 46.24 | 39.51 | 44.88 | 44.65 | 44.88 | 44.65                                                  | 44.88              | 44.65              | 44.88 | 44.65 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 10.5              | 49.49 | 46.25 | 39.52 | 44.89 | 44.66 | 44.89 | 44.66                                                  | 44.89              | 44.66              | 44.89 | 44.66 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 4.5               | 49.50 | 46.26 | 39.53 | 44.90 | 44.67 | 44.90 | 44.67                                                  | 44.90              | 44.67              | 44.90 | 44.67 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 7.5               | 49.51 | 46.27 | 39.54 | 44.91 | 44.68 | 44.91 | 44.68                                                  | 44.91              | 44.68              | 44.91 | 44.68 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 10.5              | 49.52 | 46.28 | 39.55 | 44.92 | 44.69 | 44.92 | 44.69                                                  | 44.92              | 44.69              | 44.92 | 44.69 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 4.5               | 49.53 | 46.29 | 39.56 | 44.93 | 44.70 | 44.93 | 44.70                                                  | 44.93              | 44.70              | 44.93 | 44.70 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 7.5               | 49.54 | 46.30 | 39.57 | 44.94 | 44.71 | 44.94 | 44.71                                                  | 44.94              | 44.71              | 44.94 | 44.71 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 10.5              | 49.55 | 46.31 | 39.58 | 44.95 | 44.72 | 44.95 | 44.72                                                  | 44.95              | 44.72              | 44.95 | 44.72 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 4.5               | 49.56 | 46.32 | 39.59 | 44.96 | 44.73 | 44.96 | 44.73                                                  | 44.96              | 44.73              | 44.96 | 44.73 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 7.5               | 49.57 | 46.33 | 39.60 | 44.97 | 44.74 | 44.97 | 44.74                                                  | 44.97              | 44.74              | 44.97 | 44.74 |
|      |     |                   |          |          |       |          |       | VL 1  | 1   | 10.5              | 49.58 | 46.34 | 39.61 | 44.98 | 44.75 | 44.98 | 44.75                                                  | 44.98              | 44.75              | 44.98 | 44.75 |

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| nr | z1  | m1 adres          | hulpm type | a1w bo1ts | ref1 kenmerk | m1art groep | sh | wh1 | dag   | avond | nacht | IL-inc maatregel  |                  |                  | VL exci optrektoeslag |       |       |       |
|----|-----|-------------------|------------|-----------|--------------|-------------|----|-----|-------|-------|-------|-------------------|------------------|------------------|-----------------------|-------|-------|-------|
|    |     |                   |            |           |              |             |    |     |       |       |       | VL-inc. attractie | VL-inc. prognose | RL-inc. prognose |                       |       |       |       |
| 20 | 0.0 | 0.0 De Nieuwpoort | gevel      | 9.2       |              | VL 1        | 1  | 4.5 | 45.46 | 42.19 | 35.58 | 45.84             | 45.58            | 40.84            | 40.58                 | 45.46 | 42.19 | 35.58 |
|    |     |                   |            |           |              | VL 1        | 1  | 7.5 | 45.65 | 42.38 | 35.77 | 46.03             | 45.77            | 41.03            | 40.77                 | 45.65 | 42.38 | 35.77 |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5 | 48.36 | 45.09 | 38.52 | 48.75             | 48.52            | 43.75            | 43.52                 | 48.36 | 45.09 | 38.52 |
|    |     |                   |            |           |              | VL 2        | 1  | 4.5 | 48.04 | 45.77 | 39.20 | 48.43             | 48.20            | 44.43            | 44.20                 | 48.04 | 45.77 | 39.20 |
|    |     |                   |            |           |              | VL 3        | 1  | 1.5 | 37.62 | 34.35 | 27.78 | 38.01             | 37.78            | 33.01            | 32.78                 | 37.62 | 34.35 | 27.78 |
|    |     |                   |            |           |              | VL 3        | 1  | 4.5 | 39.19 | 35.92 | 29.36 | 39.58             | 39.36            | 34.58            | 34.36                 | 39.19 | 35.92 | 29.36 |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5 | 38.26 | 36.00 | 29.43 | 38.66             | 38.43            | 33.86            | 33.63                 | 38.26 | 36.00 | 29.43 |
|    |     |                   |            |           |              | VL 4        | 1  | 1.5 | 37.39 | 34.10 | 31.11 | 38.24             | 41.11            | 36.91            | 38.78                 | 37.39 | 34.10 | 31.11 |
|    |     |                   |            |           |              | VL 4        | 1  | 4.5 | 40.55 | 37.27 | 34.32 | 42.43             | 44.32            | 40.08            | 41.97                 | 40.55 | 37.27 | 34.32 |
|    |     |                   |            |           |              | VL 4        | 1  | 7.5 | 43.18 | 39.91 | 36.91 | 45.04             | 46.91            | 42.47            | 44.35                 | 43.18 | 39.91 | 36.91 |
|    |     |                   |            |           |              | VL 5        | 1  | 1.5 | 35.33 | 31.75 | 28.63 | 36.63             | 36.63            | 31.93            | 33.63                 | 35.33 | 31.75 | 28.63 |
|    |     |                   |            |           |              | VL 5        | 1  | 4.5 | 36.25 | 32.67 | 29.56 | 37.85             | 39.56            | 32.85            | 34.56                 | 36.25 | 32.67 | 29.56 |
|    |     |                   |            |           |              | VL 5        | 1  | 7.5 | 35.33 | 31.75 | 28.63 | 36.63             | 36.63            | 31.93            | 33.63                 | 35.33 | 31.75 | 28.63 |
|    |     |                   |            |           |              | VL 1        | 1  | 1.5 | 13.24 | 9.88  | 3.36  | 13.62             | 13.36            | 8.62             | 8.36                  | 13.24 | 9.88  | 3.36  |
|    |     |                   |            |           |              | VL 1        | 1  | 4.5 | 15.28 | 12.01 | 5.39  | 15.65             | 15.39            | 10.65            | 10.39                 | 15.28 | 12.01 | 5.39  |
|    |     |                   |            |           |              | VL 1        | 1  | 7.5 | 16.91 | 13.64 | 7.02  | 17.28             | 17.02            | 12.28            | 12.02                 | 16.91 | 13.64 | 7.02  |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5 | 13.62 | 10.36 | 3.80  | 14.02             | 13.80            | 9.02             | 8.80                  | 13.62 | 10.36 | 3.80  |
|    |     |                   |            |           |              | VL 2        | 1  | 4.5 | 15.17 | 11.91 | 2.35  | 15.57             | 15.35            | 7.57             | 7.35                  | 15.17 | 11.91 | 2.35  |
|    |     |                   |            |           |              | VL 2        | 1  | 7.5 | 13.94 | 10.68 | 4.13  | 14.34             | 14.13            | 9.34             | 9.13                  | 13.94 | 10.68 | 4.13  |
|    |     |                   |            |           |              | VL 3        | 1  | 1.5 | 19.87 | 16.61 | 10.04 | 20.27             | 20.04            | 15.27            | 15.04                 | 19.87 | 16.61 | 10.04 |
|    |     |                   |            |           |              | VL 3        | 1  | 4.5 | 23.34 | 20.07 | 13.51 | 23.73             | 23.51            | 18.73            | 18.51                 | 23.34 | 20.07 | 13.51 |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5 | 24.80 | 21.53 | 14.97 | 25.19             | 24.97            | 20.19            | 19.97                 | 24.80 | 21.53 | 14.97 |
|    |     |                   |            |           |              | VL 4        | 1  | 1.5 | 31.82 | 28.61 | 15.50 | 32.21             | 32.01            | 27.21            | 27.01                 | 31.82 | 28.61 | 15.50 |
|    |     |                   |            |           |              | VL 4        | 1  | 4.5 | 31.81 | 28.61 | 25.51 | 33.67             | 33.51            | 31.56            | 33.41                 | 31.81 | 28.61 | 25.51 |
|    |     |                   |            |           |              | VL 4        | 1  | 7.5 | 33.36 | 30.13 | 27.08 | 35.22             | 37.08            | 33.10            | 34.98                 | 33.36 | 30.13 | 27.08 |
|    |     |                   |            |           |              | VL 5        | 1  | 1.5 | 25.33 | 21.75 | 18.63 | 25.93             | 25.63            | 21.93            | 23.63                 | 25.33 | 21.75 | 18.63 |
|    |     |                   |            |           |              | VL 5        | 1  | 4.5 | 27.11 | 23.53 | 20.42 | 28.71             | 30.42            | 23.71            | 25.42                 | 27.11 | 23.53 | 20.42 |
|    |     |                   |            |           |              | VL 5        | 1  | 7.5 | 21.82 | 18.24 | 15.12 | 23.42             | 25.12            | 18.42            | 20.12                 | 21.82 | 18.24 | 15.12 |
| 21 | 0.0 | 0.0 De Nieuwpoort | gevel      | 10.1      |              | VL 1        | 1  | 1.5 | 46.56 | 43.29 | 38.68 | 46.94             | 46.68            | 41.94            | 41.68                 | 46.56 | 43.29 | 38.68 |
|    |     |                   |            |           |              | VL 1        | 1  | 4.5 | 47.62 | 44.36 | 37.74 | 48.00             | 47.74            | 43.00            | 42.74                 | 47.62 | 44.36 | 37.74 |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5 | 48.41 | 45.14 | 38.57 | 48.80             | 48.57            | 43.90            | 43.57                 | 48.41 | 45.14 | 38.57 |
|    |     |                   |            |           |              | VL 2        | 1  | 4.5 | 48.06 | 45.79 | 39.23 | 48.45             | 48.23            | 44.45            | 44.23                 | 48.06 | 45.79 | 39.23 |
|    |     |                   |            |           |              | VL 2        | 1  | 7.5 | 49.11 | 45.85 | 39.28 | 49.51             | 49.28            | 44.51            | 44.28                 | 49.11 | 45.85 | 39.28 |
|    |     |                   |            |           |              | VL 3        | 1  | 1.5 | 35.04 | 31.77 | 25.20 | 35.43             | 35.20            | 30.43            | 30.20                 | 35.04 | 31.77 | 25.20 |
|    |     |                   |            |           |              | VL 3        | 1  | 4.5 | 38.92 | 35.66 | 27.09 | 39.32             | 37.09            | 32.32            | 32.09                 | 38.92 | 35.66 | 27.09 |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5 | 37.07 | 33.80 | 27.24 | 37.46             | 37.24            | 32.46            | 32.24                 | 37.07 | 33.80 | 27.24 |
|    |     |                   |            |           |              | VL 4        | 1  | 1.5 | 40.23 | 36.95 | 30.43 | 40.63             | 40.39            | 35.63            | 35.39                 | 40.23 | 36.95 | 30.43 |
|    |     |                   |            |           |              | VL 4        | 1  | 4.5 | 40.23 | 36.95 | 30.43 | 40.63             | 40.39            | 35.63            | 35.39                 | 40.23 | 36.95 | 30.43 |
|    |     |                   |            |           |              | VL 4        | 1  | 7.5 | 37.09 | 33.80 | 27.24 | 37.46             | 37.24            | 32.46            | 32.24                 | 37.09 | 33.80 | 27.24 |
|    |     |                   |            |           |              | VL 5        | 1  | 1.5 | 40.23 | 36.95 | 30.43 | 40.63             | 40.39            | 35.63            | 35.39                 | 40.23 | 36.95 | 30.43 |
|    |     |                   |            |           |              | VL 5        | 1  | 4.5 | 40.40 | 36.82 | 33.70 | 42.00             | 43.70            | 37.70            | 38.40                 | 40.40 | 36.82 | 33.70 |
| 22 | 0.0 | 0.0 De Nieuwpoort | gevel      | 10.2      |              | VL 5        | 1  | 7.5 | 41.26 | 37.68 | 34.56 | 42.86             | 44.56            | 37.86            | 38.56                 | 41.26 | 37.68 | 34.56 |
|    |     |                   |            |           |              | VL 1        | 1  | 1.5 | 19.10 | 15.83 | 9.21  | 19.47             | 19.21            | 14.47            | 14.21                 | 19.10 | 15.83 | 9.21  |
|    |     |                   |            |           |              | VL 1        | 1  | 4.5 | 16.54 | 16.27 | 9.65  | 16.91             | 16.65            | 14.91            | 14.65                 | 16.54 | 16.27 | 9.65  |
|    |     |                   |            |           |              | VL 1        | 1  | 7.5 | 17.80 | 14.53 | 7.91  | 18.17             | 17.91            | 13.17            | 12.91                 | 17.80 | 14.53 | 7.91  |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5 | 13.93 | 10.67 | 4.11  | 14.33             | 14.11            | 9.33             | 9.11                  | 13.93 | 10.67 | 4.11  |
|    |     |                   |            |           |              | VL 2        | 1  | 4.5 | 11.55 | 8.28  | 1.73  | 11.95             | 11.73            | 6.95             | 6.73                  | 11.55 | 8.28  | 1.73  |
|    |     |                   |            |           |              | VL 2        | 1  | 7.5 | 13.71 | 10.45 | 3.90  | 14.11             | 13.90            | 9.10             | 8.90                  | 13.71 | 10.45 | 3.90  |
|    |     |                   |            |           |              | VL 3        | 1  | 1.5 | 16.58 | 16.31 | 9.75  | 16.97             | 16.75            | 14.97            | 14.75                 | 16.58 | 16.31 | 9.75  |
|    |     |                   |            |           |              | VL 3        | 1  | 4.5 | 24.06 | 20.80 | 14.23 | 24.46             | 24.23            | 19.46            | 19.23                 | 24.06 | 20.80 | 14.23 |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5 | 24.06 | 20.80 | 14.23 | 24.46             | 24.23            | 19.46            | 19.23                 | 24.06 | 20.80 | 14.23 |
|    |     |                   |            |           |              | VL 3        | 1  | 4.5 | 24.06 | 20.80 | 14.23 | 24.46             | 24.23            | 19.46            | 19.23                 | 24.06 | 20.80 | 14.23 |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5 | 24.06 | 20.80 | 14.23 | 24.46             | 24.23            | 19.46            | 19.23                 | 24.06 | 20.80 | 14.23 |

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WinHavik-LT 8.51 (c) dirActivity-software



## Bugel Hājema

| nr | z1  | m1 adres          | hulpm type | a1w bo1ts | ref1 kenmerk | m1art groep | sh | wh  | dag   | avond | nacht | IL-inc maatregel  |                  | VL-inc. prognose | VL-excl. optrektoeslag |       |       |       |
|----|-----|-------------------|------------|-----------|--------------|-------------|----|-----|-------|-------|-------|-------------------|------------------|------------------|------------------------|-------|-------|-------|
|    |     |                   |            |           |              |             |    |     |       |       |       | RL-inc. attractie | RL-inc. prognose |                  | VL-excl. optrektoeslag | dag   | avond | nacht |
| 26 | 0.0 | 0.0 De Nieuwpoort | gevel      | 12.2      |              | VL 1        | 1  | 1.5 | 19.74 | 16.47 | 9.85  | 20.11             | 19.85            | 15.11            | 14.85                  | 19.74 | 16.47 | 9.85  |
|    |     |                   |            |           |              | VL 1        | 1  | 4.5 | --    | --    | --    | --                | --               | --               | --                     | --    | --    | --    |
|    |     |                   |            |           |              | VL 1        | 1  | 7.5 | 14.77 | 11.51 | 4.95  | 15.17             | 14.95            | 10.17            | 9.95                   | 14.77 | 11.51 | 4.95  |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5 | 14.52 | 11.26 | 4.69  | 14.85             | 14.63            | 9.85             | 9.63                   | 14.52 | 11.26 | 4.69  |
|    |     |                   |            |           |              | VL 2        | 1  | 7.5 | 14.20 | 10.93 | 4.38  | 14.60             | 14.38            | 9.60             | 9.38                   | 14.20 | 10.93 | 4.38  |
|    |     |                   |            |           |              | VL 3        | 1  | 1.5 | 20.22 | 16.95 | 10.39 | 20.61             | 20.39            | 15.61            | 15.39                  | 20.22 | 16.95 | 10.39 |
|    |     |                   |            |           |              | VL 3        | 1  | 4.5 | 25.65 | 22.39 | 15.82 | 26.05             | 25.82            | 21.05            | 20.82                  | 25.65 | 22.39 | 15.82 |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5 | 28.97 | 25.70 | 19.14 | 29.36             | 29.14            | 24.36            | 24.14                  | 28.97 | 25.70 | 19.14 |
|    |     |                   |            |           |              | VL 4        | 1  | 1.5 | 18.69 | 15.42 | 8.71  | 19.08             | 18.86            | 14.08            | 13.86                  | 18.69 | 15.42 | 8.71  |
|    |     |                   |            |           |              | VL 4        | 1  | 4.5 | 35.97 | 32.79 | 25.79 | 37.69             | 37.9             | 35.65            | 35.75                  | 35.97 | 32.79 | 25.79 |
|    |     |                   |            |           |              | VL 4        | 1  | 7.5 | 37.88 | 34.69 | 31.70 | 39.80             | 41.70            | 37.75            | 39.65                  | 37.88 | 34.69 | 31.70 |
|    |     |                   |            |           |              | VL 5        | 1  | 1.5 | 25.99 | 22.41 | 19.30 | 27.59             | 29.30            | 22.59            | 24.30                  | 25.99 | 22.41 | 19.30 |
|    |     |                   |            |           |              | VL 5        | 1  | 7.5 | 24.30 | 20.72 | 17.60 | 25.80             | 27.60            | 20.90            | 22.60                  | 24.30 | 20.72 | 17.60 |
|    |     |                   |            |           |              | VL 6        | 1  | 1.5 | 24.30 | 20.72 | 17.60 | 25.80             | 27.60            | 20.90            | 22.60                  | 24.30 | 20.72 | 17.60 |
|    |     |                   |            |           |              | VL 6        | 1  | 7.5 | 47.31 | 44.05 | 37.43 | 47.69             | 47.43            | 42.69            | 42.43                  | 47.31 | 44.05 | 37.43 |
| 27 | 0.0 | 0.0 De Nieuwpoort | gevel      | 13.1      |              | VL 1        | 1  | 1.5 | 48.27 | 45.01 | 38.39 | 48.65             | 48.39            | 43.65            | 43.39                  | 48.27 | 45.01 | 38.39 |
|    |     |                   |            |           |              | VL 1        | 1  | 7.5 | 48.52 | 45.26 | 38.64 | 48.90             | 48.64            | 43.90            | 43.64                  | 48.52 | 45.26 | 38.64 |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5 | 48.52 | 45.26 | 38.64 | 48.90             | 48.64            | 43.90            | 43.64                  | 48.52 | 45.26 | 38.64 |
|    |     |                   |            |           |              | VL 2        | 1  | 4.5 | 48.52 | 45.26 | 38.64 | 48.90             | 48.64            | 43.90            | 43.64                  | 48.52 | 45.26 | 38.64 |
|    |     |                   |            |           |              | VL 2        | 1  | 7.5 | 48.52 | 45.26 | 38.64 | 48.90             | 48.64            | 43.90            | 43.64                  | 48.52 | 45.26 | 38.64 |
|    |     |                   |            |           |              | VL 3        | 1  | 1.5 | 48.01 | 45.75 | 39.18 | 49.41             | 49.18            | 44.41            | 44.18                  | 48.01 | 45.75 | 39.18 |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5 | 31.73 | 28.46 | 21.89 | 32.12             | 31.89            | 27.12            | 26.89                  | 31.73 | 28.46 | 21.89 |
|    |     |                   |            |           |              | VL 3        | 1  | 4.5 | 33.07 | 29.81 | 23.24 | 33.47             | 33.24            | 28.47            | 28.24                  | 33.07 | 29.81 | 23.24 |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5 | 33.07 | 29.81 | 23.24 | 33.47             | 33.24            | 28.47            | 28.24                  | 33.07 | 29.81 | 23.24 |
|    |     |                   |            |           |              | VL 4        | 1  | 1.5 | 39.32 | 36.05 | 30.08 | 39.71             | 39.48            | 34.71            | 34.48                  | 39.32 | 36.05 | 30.08 |
|    |     |                   |            |           |              | VL 4        | 1  | 7.5 | 39.32 | 36.05 | 30.08 | 39.71             | 39.48            | 34.71            | 34.48                  | 39.32 | 36.05 | 30.08 |
|    |     |                   |            |           |              | VL 4        | 1  | 4.5 | 39.33 | 36.01 | 33.09 | 41.20             | 43.09            | 38.88            | 40.79                  | 39.33 | 36.01 | 33.09 |
|    |     |                   |            |           |              | VL 4        | 1  | 7.5 | 41.58 | 38.20 | 35.29 | 43.41             | 45.29            | 40.87            | 42.77                  | 41.58 | 38.20 | 35.29 |
|    |     |                   |            |           |              | VL 5        | 1  | 1.5 | 43.07 | 39.49 | 36.37 | 44.67             | 46.37            | 39.67            | 41.37                  | 43.07 | 39.49 | 36.37 |
|    |     |                   |            |           |              | VL 5        | 1  | 7.5 | 43.07 | 39.49 | 36.37 | 44.67             | 46.37            | 39.67            | 41.37                  | 43.07 | 39.49 | 36.37 |
| 28 | 0.0 | 0.0 De Nieuwpoort | gevel      | 13.2      |              | VL 1        | 1  | 1.5 | 43.75 | 40.18 | 37.07 | 45.36             | 47.07            | 40.36            | 42.07                  | 43.75 | 40.18 | 37.07 |
|    |     |                   |            |           |              | VL 1        | 1  | 7.5 | 43.75 | 40.18 | 37.07 | 45.36             | 47.07            | 40.36            | 42.07                  | 43.75 | 40.18 | 37.07 |
|    |     |                   |            |           |              | VL 1        | 1  | 4.5 | 19.54 | 16.28 | 9.65  | 19.92             | 19.65            | 14.92            | 14.65                  | 19.54 | 16.28 | 9.65  |
|    |     |                   |            |           |              | VL 1        | 1  | 7.5 | 15.14 | 11.88 | 5.25  | 15.52             | 15.25            | 10.52            | 10.25                  | 15.14 | 11.88 | 5.25  |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5 | 18.69 | 15.42 | 8.71  | 19.08             | 18.86            | 14.08            | 13.86                  | 18.69 | 15.42 | 8.71  |
|    |     |                   |            |           |              | VL 2        | 1  | 4.5 | 11.03 | 7.76  | 1.21  | 11.43             | 11.21            | 6.43             | 6.21                   | 11.03 | 7.76  | 1.21  |
|    |     |                   |            |           |              | VL 2        | 1  | 7.5 | 13.79 | 10.53 | 3.98  | 14.19             | 13.98            | 9.19             | 8.98                   | 13.79 | 10.53 | 3.98  |
|    |     |                   |            |           |              | VL 3        | 1  | 1.5 | 20.07 | 16.81 | 10.25 | 20.47             | 20.25            | 15.47            | 15.25                  | 20.07 | 16.81 | 10.25 |
|    |     |                   |            |           |              | VL 3        | 1  | 7.5 | 25.10 | 21.83 | 15.27 | 25.49             | 25.27            | 20.49            | 20.27                  | 25.10 | 21.83 | 15.27 |
|    |     |                   |            |           |              | VL 3        | 1  | 4.5 | 25.10 | 21.83 | 15.27 | 25.49             | 25.27            | 20.49            | 20.27                  | 25.10 | 21.83 | 15.27 |
|    |     |                   |            |           |              | VL 4        | 1  | 1.5 | 34.44 | 31.19 | 28.16 | 36.30             | 38.16            | 34.14            | 36.00                  | 34.44 | 31.19 | 28.16 |
|    |     |                   |            |           |              | VL 4        | 1  | 4.5 | 37.33 | 34.11 | 31.11 | 39.23             | 41.11            | 37.03            | 38.92                  | 37.33 | 34.11 | 31.11 |
|    |     |                   |            |           |              | VL 4        | 1  | 7.5 | 39.25 | 36.09 | 33.04 | 41.16             | 43.04            | 38.88            | 40.77                  | 39.25 | 36.09 | 33.04 |
|    |     |                   |            |           |              | VL 5        | 1  | 1.5 | 25.28 | 21.70 | 18.58 | 26.88             | 28.58            | 21.88            | 23.58                  | 25.28 | 21.70 | 18.58 |
|    |     |                   |            |           |              | VL 5        | 1  | 4.5 | 22.83 | 19.25 | 16.14 | 24.43             | 26.14            | 19.43            | 21.14                  | 22.83 | 19.25 | 16.14 |
| 29 | 0.0 | 0.0 De Nieuwpoort | gevel      | 14.1      |              | VL 5        | 1  | 1.5 | 11.82 | 8.24  | 5.13  | 13.42             | 15.13            | 8.42             | 10.13                  | 11.82 | 8.24  | 5.13  |
|    |     |                   |            |           |              | VL 5        | 1  | 7.5 | 11.82 | 8.24  | 5.13  | 13.42             | 15.13            | 8.42             | 10.13                  | 11.82 | 8.24  | 5.13  |
|    |     |                   |            |           |              | VL 1        | 1  | 1.5 | 46.09 | 42.82 | 36.21 | 46.47             | 46.21            | 41.47            | 41.21                  | 46.09 | 42.82 | 36.21 |
|    |     |                   |            |           |              | VL 1        | 1  | 4.5 | 47.27 | 44.01 | 37.39 | 47.65             | 47.39            | 42.65            | 42.39                  | 47.27 | 44.01 | 37.39 |
|    |     |                   |            |           |              | VL 2        | 1  | 1.5 | 48.35 | 45.08 | 38.47 | 48.70             | 48.47            | 43.70            | 43.47                  | 48.35 | 45.08 | 38.47 |
|    |     |                   |            |           |              | VL 2        | 1  | 7.5 | 48.95 | 45.69 | 39.16 | 49.35             | 49.16            | 44.35            | 44.16                  | 48.95 | 45.69 | 39.16 |

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| nr | z1 | m1 adres | huistype | adv.toets | refl kenmerk | chart | groep | sh | whh | dag            |                |                | avond             |                |                | nacht          |                |                | IL inc. maatregel |                |                | VL evd opmaatregel |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |                |
|----|----|----------|----------|-----------|--------------|-------|-------|----|-----|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|----------------|----------------|-------------------|----------------|----------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------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|    |    |          |          |           |              |       |       |    |     | inc. maatregel | inc. maatregel | inc. maatregel | RL inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel    | inc. maatregel | inc. maatregel |                    | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. maatregel | inc. 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## Bugel Højema

## Rijlijnen

| nr.2.gem | nr.2.gem | lengte | wegdek                   | hellingoor | groep | omschrijving             | kenmerk | art | 110g | Intensiteiten |          |       |       | snelheden |       |       |       |
|----------|----------|--------|--------------------------|------------|-------|--------------------------|---------|-----|------|---------------|----------|-------|-------|-----------|-------|-------|-------|
|          |          |        |                          |            |       |                          |         |     |      | elm.intens.   | %periode | %     | licht | middel    | zwaar | motor | licht |
| 1        | 0.0      | 132.01 | glad asfaltDAB           | 2          |       | Fred Hendriklaan n.1.1   |         |     | 5    | 1100.0        | □        | dag   | 97.00 | 1.50      | 1.50  | 30    | 30    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 97.00 | 1.50      | 1.50  | 30    | 30    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 97.00 | 1.50      | 1.50  | 30    | 30    |
| 2        | 0.0      | 54.01  | glad asfaltDAB           | 2          |       | Fred Hendriklaan n.1.2   |         |     | 5    | 1100.0        | □        | dag   | 97.00 | 1.50      | 1.50  | 30    | 30    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 97.00 | 1.50      | 1.50  | 30    | 30    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 97.00 | 1.50      | 1.50  | 30    | 30    |
| 3        | 0.0      | 73.01  | glad asfaltDAB           | 2          |       | Fred Hendriklaan z.1.3   |         |     | 5    | 1100.0        | □        | dag   | 97.00 | 1.50      | 1.50  | 30    | 30    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 97.00 | 1.50      | 1.50  | 30    | 30    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 97.00 | 1.50      | 1.50  | 30    | 30    |
| 4        | 0.0      | 194.01 | glad asfaltDAB           | 1          |       | Alb. Agresstraat         | 2.1     |     | 5    | 2700.0        | □        | dag   | 97.00 | 1.50      | 1.50  | 30    | 30    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 97.00 | 1.50      | 1.50  | 30    | 30    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 97.00 | 1.50      | 1.50  | 30    | 30    |
| 5        | 0.0      | 199.01 | glad asfaltDAB           | 3          |       | Pr. Alexandersstraat     | 3.1     |     | 5    | 1100.0        | □        | dag   | 97.00 | 1.50      | 1.50  | 30    | 30    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 97.00 | 1.50      | 1.50  | 30    | 30    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 97.00 | 1.50      | 1.50  | 30    | 30    |
| 6        | 0.0      | 571.83 | dunne deklagen A CROW316 | 4          |       | N9 west. richting        | 4.1     |     | 2    | 26127.0       | □        | dag   | 93.87 | 3.64      | 2.49  | 70    | 70    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 93.87 | 3.64      | 2.49  | 70    | 70    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 93.87 | 3.64      | 2.49  | 70    | 70    |
| 7        | 0.0      | 45.01  | glad asfaltDAB           | 4          |       | N9 west. richting        | 4.2     |     | 2    | 26127.0       | □        | dag   | 93.87 | 3.64      | 2.49  | 70    | 70    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 93.87 | 3.64      | 2.49  | 70    | 70    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 93.87 | 3.64      | 2.49  | 70    | 70    |
| 8        | 0.0      | 363.71 | 1-lags zoab CROW316      | 4          |       | N9 oost. richting        | 5.1     |     | 2    | 27023.0       | □        | dag   | 93.45 | 3.66      | 2.89  | 70    | 70    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 93.45 | 3.66      | 2.89  | 70    | 70    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 93.45 | 3.66      | 2.89  | 70    | 70    |
| 9        | 0.0      | 252.01 | glad asfaltDAB           | 4          |       | N9 oost. richting        | 5.2     |     | 2    | 27023.0       | □        | dag   | 93.45 | 3.66      | 2.89  | 70    | 70    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 93.45 | 3.66      | 2.89  | 70    | 70    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 93.45 | 3.66      | 2.89  | 70    | 70    |
| 10       | 0.0      | 62.01  | glad asfaltDAB           | 4          |       | rotonde zuid             | 6.1     |     | 5    | 10623.0       | □        | dag   | 93.43 | 3.07      | 3.49  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 93.43 | 3.07      | 3.49  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 93.43 | 3.07      | 3.49  | 50    | 50    |
| 11       | 0.0      | 97.01  | glad asfaltDAB           | 4          |       | rotonde oost             | 6.2     |     | 5    | 23272.0       | □        | dag   | 94.51 | 1.85      | 3.64  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 94.51 | 1.85      | 3.64  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 94.51 | 1.85      | 3.64  | 50    | 50    |
| 12       | 0.2      | 79.01  | glad asfaltDAB           | 4          |       | rotonde noord            | 6.3     |     | 5    | 22708.0       | □        | dag   | 93.15 | 4.09      | 2.78  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 93.15 | 4.09      | 2.78  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 93.15 | 4.09      | 2.78  | 50    | 50    |
| 13       | 0.3      | 89.01  | glad asfaltDAB           | 4          |       | rotonde west             | 6.4     |     | 5    | 5178.0        | □        | dag   | 90.63 | 3.84      | 5.53  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 90.63 | 3.84      | 5.53  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 90.63 | 3.84      | 5.53  | 50    | 50    |
| 14       | 0.8      | 93.71  | 1-lags zoab CROW316      | 4          |       | N9 zuid. richting        | 7.1     |     | 5    | 29086.0       | □        | dag   | 97.02 | 1.77      | 1.51  | 65    | 65    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 97.02 | 1.77      | 1.51  | 65    | 65    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 97.02 | 1.77      | 1.51  | 65    | 65    |
| 15       | 0.9      | 82.01  | glad asfaltDAB           | 4          |       | N9 noord. richting       | 8.1     |     | 5    | 25108.0       | □        | dag   | 93.09 | 4.97      | 1.94  | 65    | 65    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 93.09 | 4.97      | 1.94  | 65    | 65    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 93.09 | 4.97      | 1.94  | 65    | 65    |
| 16       | 0.0      | 494.01 | glad asfaltDAB           | 5          |       | Vondellaan zuid. rct.9.1 |         |     | 5    | 10150.0       | □        | dag   | 96.34 | 1.94      | 1.72  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 96.34 | 1.94      | 1.72  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 96.34 | 1.94      | 1.72  | 50    | 50    |
| 17       | 0.0      | 478.01 | glad asfaltDAB           | 5          |       | Vondellaan mtd. rct.9.2  |         |     | 5    | 10150.0       | □        | dag   | 97.00 | 1.50      | 1.50  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | avond | 97.00 | 1.50      | 1.50  | 50    | 50    |
|          |          |        |                          |            |       |                          |         |     |      |               |          | nacht | 97.00 | 1.50      | 1.50  | 50    | 50    |

WinHawk-LT 6.51 (c) diActivity-software

12-09-2017 15:08

| Bugel Hajema |        |        |                   |              |         |          |                                     |          |      |           | 17     |       |       |       |        |
|--------------|--------|--------|-------------------|--------------|---------|----------|-------------------------------------|----------|------|-----------|--------|-------|-------|-------|--------|
| nr.z.gem     | lengte | wegdek | hellingoor. groep | omschrijving | kenmerk | art 110g | Intensiteiten                       |          |      | snelheden |        |       |       |       |        |
|              |        |        |                   |              |         |          | etm.intens.                         | %periode | %    | licht     | middel | zwaar | motor | licht | middel |
|              |        |        |                   |              |         |          | <input checked="" type="checkbox"/> | avond    | 2.85 | 97.00     | 1.50   | 50    | 50    | 50    | 50     |
|              |        |        |                   |              |         |          |                                     | nacht    | 1.39 | 97.00     | 1.50   | 50    | 50    | 50    | 50     |

WinHawk-LT 8.51 (c) dirActivity-software

12-09-2017 15:08

| Bugel Højema   |                  |         | 18 |
|----------------|------------------|---------|----|
| Optrekktoeslag |                  |         |    |
| nr             | oprekktoeslag    | kenmerk |    |
| 1              | te gelijkwaardig | 1       |    |
| 2              | te gelijkwaardig | 2       |    |
| 3              | te gelijkwaardig | 3       |    |
| 4              | te gelijkwaardig | 4       |    |
| 5              | te gelijkwaardig | 5       |    |
| 6              | te gelijkwaardig | 6       |    |
| 8              | te gelijkwaardig | 7       |    |

**Bodemabsorptie**

| nr | lengte | absorptie [%] | kenmerk |
|----|--------|---------------|---------|
| 1  | 2851   | 95.0          | 1       |
| 2  | 1283   | 80.0          | 2       |
| 3  | 144    | 90.0          | 3       |
| 4  | 293    | 80.0          | 4       |
| 5  | 351    | 80.0          | 5       |
| 6  | 411    | 80.0          | 6       |
| 7  | 2614   | 80.0          | 7       |
| 8  | 417    | 70.0          | 8       |
| 9  | 602    | 80.0          | 9       |
| 10 | 492    | 80.0          | 10      |
| 11 | 293    | 80.0          | 11      |
| 12 | 214    | 70.0          | 12      |
| 13 | 1149   | 90.0          | 13      |
| 14 | 1226   | 95.0          | 14      |
| 15 | 1777   | 95.0          | 15      |
| 16 | 154    | 90.0          | 16      |
| 17 | 301    | 90.0          | 17      |
| 18 | 241    | 90.0          | 18      |
| 19 | 1405   | 80.0          | 19      |
| 20 | 458    | 80.0          | 20      |
| 21 | 529    | 80.0          | 21      |
| 22 | 349    | 80.0          | 22      |
| 23 | 476    | 80.0          | 23      |
| 24 | 1226   | 80.0          | 24      |
| 25 | 1511   | 80.0          | 25      |
| 26 | 157    | 90.0          | 26      |

# Colofon

Opdrachtgever  
Fooq

Contactpersoon  
J. Kruiger

Verkavelingsplan  
BügelHajema Adviseurs

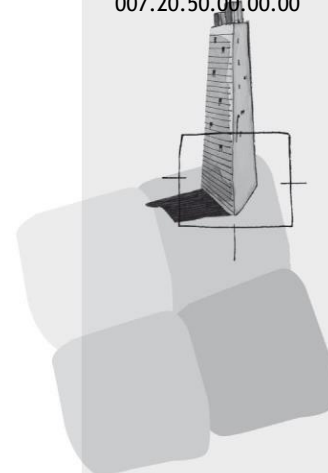
Rapport  
BügelHajema Adviseurs

Fotografie  
BügelHajema Adviseurs

Projectleiding  
BügelHajema Adviseurs

Supervisie  
BügelHajema Adviseurs

Projectnummer  
007.20.50.00.00.00



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Leeuwarden en Amersfoort