

## ภาคผนวก ค

### ใบรับรองผลการตรวจวิเคราะห์

|            |   |
|------------|---|
| ภาคผนวก 1ค | ใบรับรองผลการตรวจวิเคราะห์คุณภาพอากาศในบรรยากาศ |
| ภาคผนวก 2ค | ใบรับรองผลการตรวจวิเคราะห์ระดับเสียงโดยทั่วไป   |
| ภาคผนวก 3ค | ใบรับรองผลการตรวจวิเคราะห์ความสั่นสะเทือน       |

## ภาคผนวก 1ค

ใบรับรองผลการตรวจวิเคราะห์คุณภาพอากาศในบรรยากาศ

## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)  
**CUSTOMER NAME** :   
**ADDRESS** :   
**CONTACT INFORMATION** :   
**SAMPLING SOURCE** : ชุมชนซอยราษฎร์ร่วมเจริญ  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \* \*\* \*\* \* \*\* \*  
**SAMPLING TIME** : \* \*\* \*\* \* \*\* \*  
**SAMPLING BY** :   
**ANALYZED BY** :   
**RECEIVED DATE** : MAY 26, 2025  
**ANALYTICAL DATE** : MAY 26-31, 2025  
**ISSUE DATE** : JUNE 6, 2025  
**REPORT NO.** : 2025-U049961  
**WORK NO.** : 2024-010434  
**ANALYSIS NO.** : T25AL268-0001 - T25AL268-0005

| PARAMETER   | UNIT              | METHOD OF ANALYSIS  | RESULT                  |                     |                      |                       |                        |
|---|-------------------|---|-------------------------|---------------------|----------------------|-----------------------|------------------------|
|   |                   |   | ชุมชนซอยราษฎร์ร่วมเจริญ |                     |                      |                       |                        |
|   |                   |   | *<br>T25AL268-0001      | **<br>T25AL268-0002 | ***<br>T25AL268-0003 | ****<br>T25AL268-0004 | *****<br>T25AL268-0005 |
| TOTAL SUSPENDED PARTICULATE MATTER <sup>a</sup>               | mg/m <sup>3</sup> | US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.           | 0.038                   | 0.027               | 0.031                | 0.035                 | 0.043                  |
| PARTICULATE MATTER as PM <sub>10</sub> (≤ 10 µm) <sup>a</sup> | mg/m <sup>3</sup> | US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM <sub>10</sub> IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021. | 0.024                   | 0.017               | 0.013                | 0.016                 | 0.024                  |
| SAMPLE CONDITION  |                   |   | COMPLETE                | COMPLETE            | COMPLETE             | COMPLETE              | COMPLETE               |

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

### REMARK

TSP, PM<sub>10</sub> : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
\* : SAMPLING FROM 09:00 HOUR ON MAY 17, 2025 TO 09:00 HOUR ON MAY 18, 2025.  
\*\* : SAMPLING FROM 09:00 HOUR ON MAY 18, 2025 TO 09:00 HOUR ON MAY 19, 2025.  
\*\*\* : SAMPLING FROM 09:00 HOUR ON MAY 19, 2025 TO 09:00 HOUR ON MAY 20, 2025.  
\*\*\*\* : SAMPLING FROM 09:00 HOUR ON MAY 20, 2025 TO 09:00 HOUR ON MAY 21, 2025.  
\*\*\*\*\* : SAMPLING FROM 09:00 HOUR ON MAY 21, 2025 TO 09:00 HOUR ON MAY 22, 2025.



## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)

**CUSTOMER NAME**

**ADDRESS**

**CONTACT INFORMATION**

**SAMPLING SOURCE** : วัดสุวรรณ (โรงเรียนวัดสุวรรณ)

**SAMPLE TYPE** : AMBIENT

**SAMPLING DATE** : \* \*\* \*\* \*\* \*\*

**SAMPLING TIME** : \* \*\* \*\* \*\* \*\*

**SAMPLING BY**

**ANALYZED BY**

**RECEIVED DATE** : MAY 26, 2025

**ANALYTICAL DATE** : MAY 26-31, 2025

**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U049963

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL268-0006 - T25AL268-0010

| PARAMETER   | UNIT              | METHOD OF ANALYSIS  | RESULT                        |                     |                      |                       |                        |
|---|-------------------|---|-------------------------------|---------------------|----------------------|-----------------------|------------------------|
|   |                   |   | วัดสุวรรณ (โรงเรียนวัดสุวรรณ) |                     |                      |                       |                        |
|   |                   |   | *<br>T25AL268-0006            | **<br>T25AL268-0007 | ***<br>T25AL268-0008 | ****<br>T25AL268-0009 | *****<br>T25AL268-0010 |
| TOTAL SUSPENDED PARTICULATE MATTER <sup>a</sup>               | mg/m <sup>3</sup> | US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.           | 0.036                         | 0.030               | 0.024                | 0.024                 | 0.025                  |
| PARTICULATE MATTER as PM <sub>10</sub> (≤ 10 μm) <sup>a</sup> | mg/m <sup>3</sup> | US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM <sub>10</sub> IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021. | 0.023                         | 0.020               | 0.014                | 0.013                 | 0.014                  |
| <b>SAMPLE CONDITION</b>                                       |                   |   | COMPLETE                      | COMPLETE            | COMPLETE             | COMPLETE              | COMPLETE               |

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

### REMARK

TSP, PM<sub>10</sub> : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

\* : SAMPLING FROM 10:30 HOUR ON MAY 17, 2025 TO 10:30 HOUR ON MAY 18, 2025.

\*\* : SAMPLING FROM 10:30 HOUR ON MAY 18, 2025 TO 10:30 HOUR ON MAY 19, 2025.

\*\*\* : SAMPLING FROM 10:30 HOUR ON MAY 19, 2025 TO 10:30 HOUR ON MAY 20, 2025.

\*\*\*\* : SAMPLING FROM 10:30 HOUR ON MAY 20, 2025 TO 10:30 HOUR ON MAY 21, 2025.

\*\*\*\*\* : SAMPLING FROM 10:30 HOUR ON MAY 21, 2025 TO 10:30 HOUR ON MAY 22, 2025.

## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)  
**CUSTOMER NAME** :   
**ADDRESS** :   
**CONTACT INFORMATION** :   
**SAMPLING SOURCE** : โรงพยาบาลตากสิน (สำนักงานเขตคลองสาน)  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \* \*\* \*\* \*\* \*\*  
**SAMPLING TIME** : \*, \*\* \*\* \*\* \*\*  
**SAMPLING BY** :   
**ANALYZED BY** :

**RECEIVED DATE** : MAY 26, 2025  
**ANALYTICAL DATE** : MAY 26-31, 2025  
**ISSUE DATE** : JUNE 6, 2025  
**REPORT NO.** : 2025-U049964  
**WORK NO.** : 2024-010434  
**ANALYSIS NO.** : T25AL268-0011 - T25AL268-0015

| PARAMETER   | UNIT              | METHOD OF ANALYSIS  | RESULT                               |                     |                      |                       |                        |
|---|-------------------|---|--------------------------------------|---------------------|----------------------|-----------------------|------------------------|
|   |                   |   | โรงพยาบาลตากสิน (สำนักงานเขตคลองสาน) |                     |                      |                       |                        |
|   |                   |   | *<br>T25AL268-0011                   | **<br>T25AL268-0012 | ***<br>T25AL268-0013 | ****<br>T25AL268-0014 | *****<br>T25AL268-0015 |
| TOTAL SUSPENDED PARTICULATE MATTER <sup>a</sup>               | mg/m <sup>3</sup> | US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.           | 0.037                                | 0.039               | 0.023                | 0.035                 | 0.037                  |
| PARTICULATE MATTER as PM <sub>10</sub> (≤ 10 µm) <sup>a</sup> | mg/m <sup>3</sup> | US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM <sub>10</sub> IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021. | 0.019                                | 0.029               | 0.013                | 0.016                 | 0.026                  |
| SAMPLE CONDITION  |                   |   | COMPLETE                             | COMPLETE            | COMPLETE             | COMPLETE              | COMPLETE               |

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

### REMARK

TSP, PM<sub>10</sub> : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
\* : SAMPLING FROM 10:00 HOUR ON MAY 17, 2025 TO 10:00 HOUR ON MAY 18, 2025.  
\*\* : SAMPLING FROM 10:00 HOUR ON MAY 18, 2025 TO 10:00 HOUR ON MAY 19, 2025.  
\*\*\* : SAMPLING FROM 10:00 HOUR ON MAY 19, 2025 TO 10:00 HOUR ON MAY 20, 2025.  
\*\*\*\* : SAMPLING FROM 10:00 HOUR ON MAY 20, 2025 TO 10:00 HOUR ON MAY 21, 2025.  
\*\*\*\*\* : SAMPLING FROM 10:00 HOUR ON MAY 21, 2025 TO 10:00 HOUR ON MAY 22, 2025.



## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)

**CUSTOMER NAME** :

**ADDRESS** :

**CONTACT INFORMATION** :

**SAMPLING SOURCE** : โรงพยาบาลสมเด็จพระเจ้าพระยา

**SAMPLE TYPE** : AMBIENT

**SAMPLING DATE** : \* \*\* \*\* \*

**SAMPLING TIME** : \* \*\* \*\* \*

**SAMPLING BY** :

**ANALYZED BY** :

**RECEIVED DATE** : MAY 26, 2025

**ANALYTICAL DATE** : MAY 26-31, 2025

**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U049965

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL268-0016 - T25AL268-0020

| PARAMETER   | UNIT              | METHOD OF ANALYSIS  | RESULT                      |               |               |               |               |
|---|-------------------|---|-----------------------------|---------------|---------------|---------------|---------------|
|   |                   |   | โรงพยาบาลสมเด็จพระเจ้าพระยา |               |               |               |               |
|   |                   |   | *                           | **            | ***           | ****          | *****         |
|   |                   |   | T25AL268-0016               | T25AL268-0017 | T25AL268-0018 | T25AL268-0019 | T25AL268-0020 |
| TOTAL SUSPENDED PARTICULATE MATTER <sup>a</sup>               | mg/m <sup>3</sup> | US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX B, REFERENCE METHOD FOR THE DETERMINATION OF SUSPENDED PARTICULATE MATTER IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021.           | 0.036                       | 0.029         | 0.031         | 0.025         | 0.036         |
| PARTICULATE MATTER as PM <sub>10</sub> (≤ 10 µm) <sup>a</sup> | mg/m <sup>3</sup> | US EPA, CODE OF FEDERAL REGULATIONS, 40 CFR CHAPTER I-PART 50 APPENDIX J, REFERENCE METHOD FOR THE DETERMINATION OF PARTICULATE MATTER AS PM <sub>10</sub> IN THE ATMOSPHERE (HIGH-VOLUME METHOD) REVISED AS OF JULY 1, 2021. | 0.022                       | 0.018         | 0.014         | 0.013         | 0.023         |
| SAMPLE CONDITION  |                   |   | COMPLETE                    | COMPLETE      | COMPLETE      | COMPLETE      | COMPLETE      |

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

### REMARK

TSP, PM<sub>10</sub> : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

\* : SAMPLING FROM 09:30 HOUR ON MAY 17, 2025 TO 09:30 HOUR ON MAY 18, 2025.

\*\* : SAMPLING FROM 09:30 HOUR ON MAY 18, 2025 TO 09:30 HOUR ON MAY 19, 2025.

\*\*\* : SAMPLING FROM 09:30 HOUR ON MAY 19, 2025 TO 09:30 HOUR ON MAY 20, 2025.

\*\*\*\* : SAMPLING FROM 09:30 HOUR ON MAY 20, 2025 TO 09:30 HOUR ON MAY 21, 2025.

\*\*\*\*\* : SAMPLING FROM 09:30 HOUR ON MAY 21, 2025 TO 09:30 HOUR ON MAY 22, 2025.

## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)

**CUSTOMER NAME** : [REDACTED]

**ADDRESS** : [REDACTED]

**CONTACT INFORMATION** : [REDACTED]

**MEASURING PLACE** : [REDACTED]

**MEASURING TYPE** : AMBIENT (AIR) **RECEIVED DATE** : MAY 17-22, 2025

**MEASURING DATE** : MAY 17-22, 2025 **ANALYTICAL DATE** : MAY 17-22, 2025

**MEASURING TIME** : [REDACTED] **ISSUE DATE** : JUNE 6, 2025

**MEASURING METHOD** : [REDACTED] **REPORT NO.** : 2025-U050213

**MEASURED BY** : [REDACTED] **WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL268-0001 - T25AL268-0005

| TIME *           | RESULT (ppm)                       |                                    |                                    |                                    |                                    |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | NITROGEN DIOXIDE                   |                                    |                                    |                                    |                                    |
|                  | ผลลัพธ์                            |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0001 | MAY 18 - 19, 2025<br>T25AL268-0002 | MAY 19 - 20, 2025<br>T25AL268-0003 | MAY 20 - 21, 2025<br>T25AL268-0004 | MAY 21 - 22, 2025<br>T25AL268-0005 |
| 07:00-08:00 HOUR | 0.0168                             | 0.0161                             | 0.0175                             | 0.0176                             | 0.0201                             |
| 08:00-09:00 HOUR | 0.0148                             | 0.0127                             | 0.0168                             | 0.0151                             | 0.0193                             |
| 09:00-10:00 HOUR | 0.0111                             | 0.0093                             | 0.0135                             | 0.0123                             | 0.0158                             |
| 10:00-11:00 HOUR | 0.0103                             | 0.0082                             | 0.0130                             | 0.0102                             | 0.0145                             |
| 11:00-12:00 HOUR | 0.0093                             | 0.0086                             | 0.0122                             | 0.0096                             | 0.0126                             |
| 12:00-13:00 HOUR | 0.0098                             | 0.0089                             | 0.0115                             | 0.0113                             | 0.0129                             |
| 13:00-14:00 HOUR | 0.0097                             | 0.0088                             | 0.0133                             | 0.0131                             | 0.0126                             |
| 14:00-15:00 HOUR | 0.0106                             | 0.0094                             | 0.0159                             | 0.0156                             | 0.0132                             |
| 15:00-16:00 HOUR | 0.0126                             | 0.0111                             | 0.0201                             | 0.0169                             | 0.0153                             |
| 16:00-17:00 HOUR | 0.0142                             | 0.0130                             | 0.0203                             | 0.0185                             | 0.0174                             |
| 17:00-18:00 HOUR | 0.0149                             | 0.0133                             | 0.0199                             | 0.0180                             | 0.0180                             |
| 18:00-19:00 HOUR | 0.0149                             | 0.0139                             | 0.0194                             | 0.0176                             | 0.0182                             |
| 19:00-20:00 HOUR | 0.0167                             | 0.0128                             | 0.0191                             | 0.0161                             | 0.0177                             |
| 20:00-21:00 HOUR | 0.0170                             | 0.0136                             | 0.0178                             | 0.0149                             | 0.0159                             |
| 21:00-22:00 HOUR | 0.0191                             | 0.0119                             | 0.0167                             | 0.0123                             | 0.0141                             |
| 22:00-23:00 HOUR | 0.0201                             | 0.0118                             | 0.0146                             | 0.0118                             | 0.0132                             |
| 23:00-00:00 HOUR | 0.0220                             | 0.0100                             | 0.0133                             | 0.0110                             | 0.0140                             |
| 00:00-01:00 HOUR | 0.0216                             | 0.0097                             | 0.0121                             | 0.0119                             | 0.0144                             |
| 01:00-02:00 HOUR | 0.0200                             | 0.0094                             | 0.0125                             | 0.0122                             | 0.0141                             |
| 02:00-03:00 HOUR | 0.0209                             | 0.0095                             | 0.0126                             | 0.0133                             | 0.0154                             |
| 03:00-04:00 HOUR | 0.0204                             | 0.0099                             | 0.0126                             | 0.0143                             | 0.0161                             |
| 04:00-05:00 HOUR | 0.0206                             | 0.0126                             | 0.0138                             | 0.0150                             | 0.0179                             |
| 05:00-06:00 HOUR | 0.0193                             | 0.0155                             | 0.0163                             | 0.0173                             | 0.0194                             |
| 06:00-07:00 HOUR | 0.0187                             | 0.0192                             | 0.0180                             | 0.0193                             | 0.0208                             |



## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)

**CUSTOMER NAME**

**ADDRESS**

**CONTACT INFORMATION**

**MEASURING PLACE** : โรงเรียนวัดสุวรรณ

**MEASURING TYPE** : AMBIENT (AIR)

**MEASURING DATE** : MAY 17-22, 2025

**MEASURING TIME** : \*

**MEASURING METHOD**

**MEASURED BY**

**RECEIVED DATE** : MAY 17-22, 2025

**ANALYTICAL DATE** : MAY 17-22, 2025

**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U050214

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL268-0006 - T25AL268-0010

| TIME *           | RESULT (ppm)                       |                                    |                                    |                                    |                                    |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | NITROGEN DIOXIDE                   |                                    |                                    |                                    |                                    |
|                  | โรงเรียนวัดสุวรรณ                  |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0006 | MAY 18 - 19, 2025<br>T25AL268-0007 | MAY 19 - 20, 2025<br>T25AL268-0008 | MAY 20 - 21, 2025<br>T25AL268-0009 | MAY 21 - 22, 2025<br>T25AL268-0010 |
| 07:00-08:00 HOUR | 0.0162                             | 0.0140                             | 0.0125                             | 0.0156                             | 0.0154                             |
| 08:00-09:00 HOUR | 0.0149                             | 0.0137                             | 0.0113                             | 0.0130                             | 0.0134                             |
| 09:00-10:00 HOUR | 0.0127                             | 0.0111                             | 0.0098                             | 0.0099                             | 0.0107                             |
| 10:00-11:00 HOUR | 0.0111                             | 0.0110                             | 0.0092                             | 0.0086                             | 0.0078                             |
| 11:00-12:00 HOUR | 0.0102                             | 0.0105                             | 0.0092                             | 0.0088                             | 0.0086                             |
| 12:00-13:00 HOUR | 0.0089                             | 0.0105                             | 0.0090                             | 0.0085                             | 0.0081                             |
| 13:00-14:00 HOUR | 0.0109                             | 0.0108                             | 0.0101                             | 0.0081                             | 0.0098                             |
| 14:00-15:00 HOUR | 0.0127                             | 0.0115                             | 0.0110                             | 0.0070                             | 0.0110                             |
| 15:00-16:00 HOUR | 0.0162                             | 0.0140                             | 0.0118                             | 0.0081                             | 0.0124                             |
| 16:00-17:00 HOUR | 0.0166                             | 0.0145                             | 0.0120                             | 0.0096                             | 0.0140                             |
| 17:00-18:00 HOUR | 0.0159                             | 0.0144                             | 0.0121                             | 0.0108                             | 0.0130                             |
| 18:00-19:00 HOUR | 0.0149                             | 0.0139                             | 0.0125                             | 0.0114                             | 0.0138                             |
| 19:00-20:00 HOUR | 0.0135                             | 0.0148                             | 0.0133                             | 0.0116                             | 0.0119                             |
| 20:00-21:00 HOUR | 0.0137                             | 0.0147                             | 0.0129                             | 0.0127                             | 0.0115                             |
| 21:00-22:00 HOUR | 0.0133                             | 0.0142                             | 0.0136                             | 0.0126                             | 0.0104                             |
| 22:00-23:00 HOUR | 0.0132                             | 0.0138                             | 0.0123                             | 0.0114                             | 0.0118                             |
| 23:00-00:00 HOUR | 0.0124                             | 0.0144                             | 0.0128                             | 0.0102                             | 0.0117                             |
| 00:00-01:00 HOUR | 0.0122                             | 0.0153                             | 0.0122                             | 0.0098                             | 0.0123                             |
| 01:00-02:00 HOUR | 0.0114                             | 0.0144                             | 0.0131                             | 0.0105                             | 0.0121                             |
| 02:00-03:00 HOUR | 0.0109                             | 0.0134                             | 0.0141                             | 0.0100                             | 0.0127                             |
| 03:00-04:00 HOUR | 0.0102                             | 0.0116                             | 0.0156                             | 0.0103                             | 0.0129                             |
| 04:00-05:00 HOUR | 0.0115                             | 0.0128                             | 0.0162                             | 0.0110                             | 0.0134                             |
| 05:00-06:00 HOUR | 0.0128                             | 0.0135                             | 0.0164                             | 0.0131                             | 0.0144                             |
| 06:00-07:00 HOUR | 0.0150                             | 0.0148                             | 0.0163                             | 0.0148                             | 0.0145                             |





## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)

**CUSTOMER NAME** : [REDACTED]

**ADDRESS** : [REDACTED]

**CONTACT INFORMATION** : [REDACTED]

**MEASURING PLACE** : สำนักงานเขตคลองสาน

**MEASURING TYPE** : AMBIENT (AIR)

**MEASURING DATE** : MAY 17-22, 2025

**MEASURING TIME** : \*

**MEASURING METHOD** : [REDACTED]

**MEASURED BY** : [REDACTED]

**RECEIVED DATE** : MAY 17-22, 2025

**ANALYTICAL DATE** : MAY 17-22, 2025

**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U050215

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL268-0011 - T25AL268-0015

| TIME *           | RESULT (ppm)                       |                                    |                                    |                                    |                                    |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | NITROGEN DIOXIDE                   |                                    |                                    |                                    |                                    |
|                  | สำนักงานเขตคลองสาน                 |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0011 | MAY 18 - 19, 2025<br>T25AL268-0012 | MAY 19 - 20, 2025<br>T25AL268-0013 | MAY 20 - 21, 2025<br>T25AL268-0014 | MAY 21 - 22, 2025<br>T25AL268-0015 |
| 07:00-08:00 HOUR | 0.0139                             | 0.0189                             | 0.0184                             | 0.0158                             | 0.0143                             |
| 08:00-09:00 HOUR | 0.0122                             | 0.0172                             | 0.0165                             | 0.0143                             | 0.0129                             |
| 09:00-10:00 HOUR | 0.0091                             | 0.0126                             | 0.0123                             | 0.0131                             | 0.0106                             |
| 10:00-11:00 HOUR | 0.0104                             | 0.0113                             | 0.0097                             | 0.0110                             | 0.0091                             |
| 11:00-12:00 HOUR | 0.0119                             | 0.0090                             | 0.0083                             | 0.0089                             | 0.0084                             |
| 12:00-13:00 HOUR | 0.0125                             | 0.0079                             | 0.0098                             | 0.0072                             | 0.0079                             |
| 13:00-14:00 HOUR | 0.0136                             | 0.0078                             | 0.0104                             | 0.0059                             | 0.0118                             |
| 14:00-15:00 HOUR | 0.0142                             | 0.0098                             | 0.0123                             | 0.0064                             | 0.0137                             |
| 15:00-16:00 HOUR | 0.0169                             | 0.0126                             | 0.0139                             | 0.0086                             | 0.0173                             |
| 16:00-17:00 HOUR | 0.0170                             | 0.0138                             | 0.0150                             | 0.0109                             | 0.0166                             |
| 17:00-18:00 HOUR | 0.0169                             | 0.0138                             | 0.0149                             | 0.0130                             | 0.0174                             |
| 18:00-19:00 HOUR | 0.0162                             | 0.0142                             | 0.0147                             | 0.0141                             | 0.0175                             |
| 19:00-20:00 HOUR | 0.0166                             | 0.0158                             | 0.0165                             | 0.0166                             | 0.0174                             |
| 20:00-21:00 HOUR | 0.0171                             | 0.0168                             | 0.0191                             | 0.0172                             | 0.0161                             |
| 21:00-22:00 HOUR | 0.0140                             | 0.0175                             | 0.0205                             | 0.0179                             | 0.0152                             |
| 22:00-23:00 HOUR | 0.0097                             | 0.0176                             | 0.0199                             | 0.0165                             | 0.0144                             |
| 23:00-00:00 HOUR | 0.0054                             | 0.0190                             | 0.0181                             | 0.0171                             | 0.0144                             |
| 00:00-01:00 HOUR | 0.0047                             | 0.0186                             | 0.0162                             | 0.0165                             | 0.0152                             |
| 01:00-02:00 HOUR | 0.0064                             | 0.0186                             | 0.0153                             | 0.0172                             | 0.0143                             |
| 02:00-03:00 HOUR | 0.0074                             | 0.0187                             | 0.0161                             | 0.0157                             | 0.0125                             |
| 03:00-04:00 HOUR | 0.0090                             | 0.0193                             | 0.0169                             | 0.0161                             | 0.0102                             |
| 04:00-05:00 HOUR | 0.0111                             | 0.0173                             | 0.0181                             | 0.0144                             | 0.0108                             |
| 05:00-06:00 HOUR | 0.0148                             | 0.0164                             | 0.0181                             | 0.0152                             | 0.0129                             |
| 06:00-07:00 HOUR | 0.0189                             | 0.0172                             | 0.0168                             | 0.0147                             | 0.0162                             |

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## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้างูรงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)

**CUSTOMER NAME** : [REDACTED]

**ADDRESS** : [REDACTED]

**CONTACT INFORMATION** : [REDACTED]

**MEASURING PLACE** : ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพระยา

**MEASURING TYPE** : AMBIENT (AIR)

**MEASURING DATE** : MAY 17-22, 2025

**MEASURING TIME** : \*

**MEASURING METHOD** : [REDACTED]

**MEASURED BY** : [REDACTED]

**RECEIVED DATE** : MAY 17-22, 2025

**ANALYTICAL DATE** : MAY 17-22, 2025

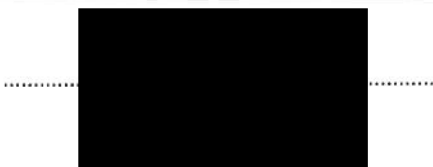
**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U050216

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL268-0016 - T25AL268-0020

| TIME *           | RESULT (ppm)                             |                                    |                                    |                                    |                                    |
|------------------|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | NITROGEN DIOXIDE                         |                                    |                                    |                                    |                                    |
|                  | ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพระยา |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0016       | MAY 18 - 19, 2025<br>T25AL268-0017 | MAY 19 - 20, 2025<br>T25AL268-0018 | MAY 20 - 21, 2025<br>T25AL268-0019 | MAY 21 - 22, 2025<br>T25AL268-0020 |
| 07:00-08:00 HOUR | 0.0167                                   | 0.0181                             | 0.0116                             | 0.0165                             | 0.0151                             |
| 08:00-09:00 HOUR | 0.0160                                   | 0.0177                             | 0.0097                             | 0.0146                             | 0.0128                             |
| 09:00-10:00 HOUR | 0.0129                                   | 0.0154                             | 0.0078                             | 0.0110                             | 0.0098                             |
| 10:00-11:00 HOUR | 0.0119                                   | 0.0128                             | 0.0080                             | 0.0100                             | 0.0084                             |
| 11:00-12:00 HOUR | 0.0107                                   | 0.0114                             | 0.0087                             | 0.0090                             | 0.0084                             |
| 12:00-13:00 HOUR | 0.0104                                   | 0.0109                             | 0.0093                             | 0.0099                             | 0.0088                             |
| 13:00-14:00 HOUR | 0.0110                                   | 0.0121                             | 0.0105                             | 0.0119                             | 0.0098                             |
| 14:00-15:00 HOUR | 0.0110                                   | 0.0122                             | 0.0120                             | 0.0134                             | 0.0102                             |
| 15:00-16:00 HOUR | 0.0123                                   | 0.0137                             | 0.0144                             | 0.0142                             | 0.0119                             |
| 16:00-17:00 HOUR | 0.0135                                   | 0.0136                             | 0.0161                             | 0.0152                             | 0.0120                             |
| 17:00-18:00 HOUR | 0.0138                                   | 0.0137                             | 0.0166                             | 0.0154                             | 0.0131                             |
| 18:00-19:00 HOUR | 0.0142                                   | 0.0133                             | 0.0176                             | 0.0167                             | 0.0132                             |
| 19:00-20:00 HOUR | 0.0136                                   | 0.0128                             | 0.0170                             | 0.0164                             | 0.0129                             |
| 20:00-21:00 HOUR | 0.0142                                   | 0.0121                             | 0.0165                             | 0.0154                             | 0.0114                             |
| 21:00-22:00 HOUR | 0.0145                                   | 0.0105                             | 0.0155                             | 0.0137                             | 0.0101                             |
| 22:00-23:00 HOUR | 0.0154                                   | 0.0091                             | 0.0145                             | 0.0102                             | 0.0100                             |
| 23:00-00:00 HOUR | 0.0151                                   | 0.0085                             | 0.0133                             | 0.0105                             | 0.0109                             |
| 00:00-01:00 HOUR | 0.0145                                   | 0.0086                             | 0.0126                             | 0.0081                             | 0.0116                             |
| 01:00-02:00 HOUR | 0.0143                                   | 0.0092                             | 0.0128                             | 0.0075                             | 0.0108                             |
| 02:00-03:00 HOUR | 0.0152                                   | 0.0094                             | 0.0134                             | 0.0047                             | 0.0104                             |
| 03:00-04:00 HOUR | 0.0162                                   | 0.0091                             | 0.0131                             | 0.0053                             | 0.0095                             |
| 04:00-05:00 HOUR | 0.0154                                   | 0.0109                             | 0.0127                             | 0.0093                             | 0.0117                             |
| 05:00-06:00 HOUR | 0.0157                                   | 0.0125                             | 0.0144                             | 0.0131                             | 0.0142                             |
| 06:00-07:00 HOUR | 0.0163                                   | 0.0138                             | 0.0168                             | 0.0158                             | 0.0170                             |

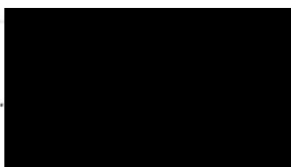


## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)  
**CUSTOMER NAME** :   
**ADDRESS** :   
**CONTACT INFORMATION** :   
**MEASURING PLACE** : วัดลำสาทร  
**MEASURING TYPE** : AMBIENT (AIR)  
**MEASURING DATE** : MAY 17-22, 2025  
**MEASURING TIME** : \*  
**MEASURING METHOD** :   
**MEASURED BY** :

**RECEIVED DATE** : MAY 17-22, 2025  
**ANALYTICAL DATE** : MAY 17-22, 2025  
**ISSUE DATE** : JUNE 6, 2025  
**REPORT NO.** : 2025-U050217  
**WORK NO.** : 2024-010434  
**ANALYSIS NO.** : T25AL268-0001 - T25AL268-0005

| TIME *           | RESULT (ppm)                       |                                    |                                    |                                    |                                    |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | SULPHUR DIOXIDE                    |                                    |                                    |                                    |                                    |
|                  | วัดลำสาทร                          |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0001 | MAY 18 - 19, 2025<br>T25AL268-0002 | MAY 19 - 20, 2025<br>T25AL268-0003 | MAY 20 - 21, 2025<br>T25AL268-0004 | MAY 21 - 22, 2025<br>T25AL268-0005 |
| 07:00-08:00 HOUR | 0.0086                             | 0.0077                             | 0.0091                             | 0.0082                             | 0.0079                             |
| 08:00-09:00 HOUR | 0.0056                             | 0.0077                             | 0.0059                             | 0.0063                             | 0.0084                             |
| 09:00-10:00 HOUR | 0.0055                             | 0.0056                             | 0.0062                             | 0.0045                             | 0.0048                             |
| 10:00-11:00 HOUR | 0.0057                             | 0.0064                             | 0.0062                             | 0.0061                             | 0.0063                             |
| 11:00-12:00 HOUR | 0.0049                             | 0.0060                             | 0.0053                             | 0.0056                             | 0.0059                             |
| 12:00-13:00 HOUR | 0.0065                             | 0.0049                             | 0.0067                             | 0.0054                             | 0.0056                             |
| 13:00-14:00 HOUR | 0.0082                             | 0.0065                             | 0.0061                             | 0.0062                             | 0.0073                             |
| 14:00-15:00 HOUR | 0.0065                             | 0.0061                             | 0.0088                             | 0.0075                             | 0.0060                             |
| 15:00-16:00 HOUR | 0.0077                             | 0.0070                             | 0.0081                             | 0.0092                             | 0.0063                             |
| 16:00-17:00 HOUR | 0.0106                             | 0.0071                             | 0.0097                             | 0.0102                             | 0.0069                             |
| 17:00-18:00 HOUR | 0.0105                             | 0.0071                             | 0.0110                             | 0.0097                             | 0.0088                             |
| 18:00-19:00 HOUR | 0.0101                             | 0.0079                             | 0.0091                             | 0.0107                             | 0.0086                             |
| 19:00-20:00 HOUR | 0.0081                             | 0.0074                             | 0.0089                             | 0.0100                             | 0.0062                             |
| 20:00-21:00 HOUR | 0.0093                             | 0.0098                             | 0.0079                             | 0.0088                             | 0.0091                             |
| 21:00-22:00 HOUR | 0.0093                             | 0.0085                             | 0.0086                             | 0.0069                             | 0.0073                             |
| 22:00-23:00 HOUR | 0.0080                             | 0.0106                             | 0.0095                             | 0.0063                             | 0.0071                             |
| 23:00-00:00 HOUR | 0.0088                             | 0.0080                             | 0.0073                             | 0.0078                             | 0.0073                             |
| 00:00-01:00 HOUR | 0.0088                             | 0.0085                             | 0.0087                             | 0.0069                             | 0.0070                             |
| 01:00-02:00 HOUR | 0.0075                             | 0.0095                             | 0.0074                             | 0.0061                             | 0.0061                             |
| 02:00-03:00 HOUR | 0.0090                             | 0.0114                             | 0.0077                             | 0.0057                             | 0.0081                             |
| 03:00-04:00 HOUR | 0.0072                             | 0.0080                             | 0.0072                             | 0.0074                             | 0.0080                             |
| 04:00-05:00 HOUR | 0.0096                             | 0.0097                             | 0.0100                             | 0.0078                             | 0.0082                             |
| 05:00-06:00 HOUR | 0.0069                             | 0.0098                             | 0.0079                             | 0.0066                             | 0.0070                             |
| 06:00-07:00 HOUR | 0.0076                             | 0.0098                             | 0.0074                             | 0.0083                             | 0.0092                             |
| AVERAGE 24 HOUR  | 0.0079                             | 0.0080                             | 0.0079                             | 0.0074                             | 0.0072                             |



## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)  
**CUSTOMER NAME** :   
**ADDRESS** :   
**CONTACT INFORMATION** :   
**MEASURING PLACE** : โรงเรียนวัดสุวรรณ  
**MEASURING TYPE** : AMBIENT (AIR)  
**MEASURING DATE** : MAY 17-22, 2025  
**MEASURING TIME** : \*  
**MEASURING METHOD** :   
**MEASURED BY** :   
**RECEIVED DATE** : MAY 17-22, 2025  
**ANALYTICAL DATE** : MAY 17-22, 2025  
**ISSUE DATE** : JUNE 6, 2025  
**REPORT NO.** : 2025-U050218  
**WORK NO.** : 2024-010434  
**ANALYSIS NO.** : T25AL268-0006 - T25AL268-0010

| TIME *           | RESULT (ppm)                       |                                    |                                    |                                    |                                    |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | SULPHUR DIOXIDE                    |                                    |                                    |                                    |                                    |
|                  | โรงเรียนวัดสุวรรณ                  |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0006 | MAY 18 - 19, 2025<br>T25AL268-0007 | MAY 19 - 20, 2025<br>T25AL268-0008 | MAY 20 - 21, 2025<br>T25AL268-0009 | MAY 21 - 22, 2025<br>T25AL268-0010 |
| 07:00-08:00 HOUR | 0.0061                             | 0.0068                             | 0.0061                             | 0.0060                             | 0.0059                             |
| 08:00-09:00 HOUR | 0.0059                             | 0.0061                             | 0.0058                             | 0.0054                             | 0.0056                             |
| 09:00-10:00 HOUR | 0.0043                             | 0.0042                             | 0.0059                             | 0.0064                             | 0.0054                             |
| 10:00-11:00 HOUR | 0.0048                             | 0.0031                             | 0.0045                             | 0.0044                             | 0.0049                             |
| 11:00-12:00 HOUR | 0.0031                             | 0.0033                             | 0.0051                             | 0.0046                             | 0.0048                             |
| 12:00-13:00 HOUR | 0.0031                             | 0.0044                             | 0.0060                             | 0.0044                             | 0.0058                             |
| 13:00-14:00 HOUR | 0.0040                             | 0.0053                             | 0.0053                             | 0.0048                             | 0.0044                             |
| 14:00-15:00 HOUR | 0.0049                             | 0.0042                             | 0.0075                             | 0.0072                             | 0.0045                             |
| 15:00-16:00 HOUR | 0.0046                             | 0.0062                             | 0.0071                             | 0.0058                             | 0.0062                             |
| 16:00-17:00 HOUR | 0.0061                             | 0.0053                             | 0.0065                             | 0.0073                             | 0.0075                             |
| 17:00-18:00 HOUR | 0.0070                             | 0.0068                             | 0.0091                             | 0.0076                             | 0.0057                             |
| 18:00-19:00 HOUR | 0.0079                             | 0.0068                             | 0.0074                             | 0.0084                             | 0.0056                             |
| 19:00-20:00 HOUR | 0.0074                             | 0.0053                             | 0.0071                             | 0.0070                             | 0.0068                             |
| 20:00-21:00 HOUR | 0.0065                             | 0.0058                             | 0.0073                             | 0.0072                             | 0.0066                             |
| 21:00-22:00 HOUR | 0.0073                             | 0.0078                             | 0.0058                             | 0.0086                             | 0.0049                             |
| 22:00-23:00 HOUR | 0.0066                             | 0.0078                             | 0.0068                             | 0.0067                             | 0.0048                             |
| 23:00-00:00 HOUR | 0.0044                             | 0.0062                             | 0.0051                             | 0.0074                             | 0.0040                             |
| 00:00-01:00 HOUR | 0.0053                             | 0.0069                             | 0.0068                             | 0.0057                             | 0.0053                             |
| 01:00-02:00 HOUR | 0.0044                             | 0.0074                             | 0.0078                             | 0.0057                             | 0.0050                             |
| 02:00-03:00 HOUR | 0.0046                             | 0.0062                             | 0.0055                             | 0.0062                             | 0.0056                             |
| 03:00-04:00 HOUR | 0.0050                             | 0.0053                             | 0.0065                             | 0.0066                             | 0.0045                             |
| 04:00-05:00 HOUR | 0.0051                             | 0.0064                             | 0.0070                             | 0.0073                             | 0.0066                             |
| 05:00-06:00 HOUR | 0.0072                             | 0.0085                             | 0.0076                             | 0.0056                             | 0.0055                             |
| 06:00-07:00 HOUR | 0.0075                             | 0.0062                             | 0.0063                             | 0.0069                             | 0.0079                             |
| AVERAGE 24 HOUR  | 0.0055                             | 0.0059                             | 0.0065                             | 0.0064                             | 0.0056                             |

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## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)  
**CUSTOMER NAME** :   
**ADDRESS** :   
**CONTACT INFORMATION** :   
**MEASURING PLACE** : สำนักงานเขตคลองสาน  
**MEASURING TYPE** : AMBIENT (AIR)  
**MEASURING DATE** : MAY 17-22, 2025  
**MEASURING TIME** : \*  
**MEASURING METHOD** :   
**MEASURED BY** :   
**RECEIVED DATE** : MAY 17-22, 2025  
**ANALYTICAL DATE** : MAY 17-22, 2025  
**ISSUE DATE** : JUNE 6, 2025  
**REPORT NO.** : 2025-U050219  
**WORK NO.** : 2024-010434  
**ANALYSIS NO.** : T25AL268-0011 - T25AL268-0015

| TIME *           | RESULT (ppm)                       |                                    |                                    |                                    |                                    |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | SULPHUR DIOXIDE                    |                                    |                                    |                                    |                                    |
|                  | สำนักงานเขตคลองสาน                 |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0011 | MAY 18 - 19, 2025<br>T25AL268-0012 | MAY 19 - 20, 2025<br>T25AL268-0013 | MAY 20 - 21, 2025<br>T25AL268-0014 | MAY 21 - 22, 2025<br>T25AL268-0015 |
| 07:00-08:00 HOUR | 0.0066                             | 0.0079                             | 0.0087                             | 0.0072                             | 0.0087                             |
| 08:00-09:00 HOUR | 0.0080                             | 0.0062                             | 0.0077                             | 0.0077                             | 0.0078                             |
| 09:00-10:00 HOUR | 0.0048                             | 0.0043                             | 0.0054                             | 0.0043                             | 0.0052                             |
| 10:00-11:00 HOUR | 0.0052                             | 0.0040                             | 0.0050                             | 0.0045                             | 0.0048                             |
| 11:00-12:00 HOUR | 0.0049                             | 0.0039                             | 0.0050                             | 0.0037                             | 0.0040                             |
| 12:00-13:00 HOUR | 0.0049                             | 0.0042                             | 0.0061                             | 0.0047                             | 0.0046                             |
| 13:00-14:00 HOUR | 0.0044                             | 0.0053                             | 0.0068                             | 0.0045                             | 0.0060                             |
| 14:00-15:00 HOUR | 0.0061                             | 0.0059                             | 0.0077                             | 0.0056                             | 0.0072                             |
| 15:00-16:00 HOUR | 0.0052                             | 0.0072                             | 0.0087                             | 0.0074                             | 0.0066                             |
| 16:00-17:00 HOUR | 0.0073                             | 0.0084                             | 0.0074                             | 0.0073                             | 0.0072                             |
| 17:00-18:00 HOUR | 0.0078                             | 0.0080                             | 0.0067                             | 0.0082                             | 0.0080                             |
| 18:00-19:00 HOUR | 0.0083                             | 0.0082                             | 0.0078                             | 0.0073                             | 0.0067                             |
| 19:00-20:00 HOUR | 0.0082                             | 0.0104                             | 0.0060                             | 0.0090                             | 0.0077                             |
| 20:00-21:00 HOUR | 0.0071                             | 0.0124                             | 0.0071                             | 0.0099                             | 0.0072                             |
| 21:00-22:00 HOUR | 0.0092                             | 0.0082                             | 0.0048                             | 0.0082                             | 0.0069                             |
| 22:00-23:00 HOUR | 0.0072                             | 0.0103                             | 0.0045                             | 0.0095                             | 0.0054                             |
| 23:00-00:00 HOUR | 0.0078                             | 0.0101                             | 0.0046                             | 0.0105                             | 0.0064                             |
| 00:00-01:00 HOUR | 0.0096                             | 0.0068                             | 0.0044                             | 0.0073                             | 0.0058                             |
| 01:00-02:00 HOUR | 0.0067                             | 0.0098                             | 0.0044                             | 0.0077                             | 0.0055                             |
| 02:00-03:00 HOUR | 0.0088                             | 0.0075                             | 0.0046                             | 0.0075                             | 0.0058                             |
| 03:00-04:00 HOUR | 0.0069                             | 0.0091                             | 0.0068                             | 0.0098                             | 0.0059                             |
| 04:00-05:00 HOUR | 0.0102                             | 0.0086                             | 0.0085                             | 0.0081                             | 0.0080                             |
| 05:00-06:00 HOUR | 0.0096                             | 0.0106                             | 0.0093                             | 0.0113                             | 0.0088                             |
| 06:00-07:00 HOUR | 0.0067                             | 0.0102                             | 0.0096                             | 0.0118                             | 0.0069                             |
| AVERAGE 24 HOUR  | 0.0071                             | 0.0078                             | 0.0066                             | 0.0076                             | 0.0065                             |



## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)  
**CUSTOMER NAME** :   
**ADDRESS** :   
**CONTACT INFORMATION** :   
**MEASURING PLACE** : ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพระยา  
**MEASURING TYPE** : AMBIENT (AIR)  
**MEASURING DATE** : MAY 17-22, 2025  
**MEASURING TIME** : \*  
**MEASURING METHOD** :   
**MEASURED BY** :   
**RECEIVED DATE** : MAY 17-22, 2025  
**ANALYTICAL DATE** : MAY 17-22, 2025  
**ISSUE DATE** : JUNE 6, 2025  
**REPORT NO.** : 2025-U050220  
**WORK NO.** : 2024-010434  
**ANALYSIS NO.** : T25AL268-0016 - T25AL268-0020

| TIME *           | RESULT (ppm)                             |                                    |                                    |                                    |                                    |
|------------------|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | SULPHUR DIOXIDE                          |                                    |                                    |                                    |                                    |
|                  | ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพระยา |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0016       | MAY 18 - 19, 2025<br>T25AL268-0017 | MAY 19 - 20, 2025<br>T25AL268-0018 | MAY 20 - 21, 2025<br>T25AL268-0019 | MAY 21 - 22, 2025<br>T25AL268-0020 |
| 07:00-08:00 HOUR | 0.0046                                   | 0.0052                             | 0.0059                             | 0.0058                             | 0.0064                             |
| 08:00-09:00 HOUR | 0.0061                                   | 0.0038                             | 0.0040                             | 0.0045                             | 0.0052                             |
| 09:00-10:00 HOUR | 0.0039                                   | 0.0037                             | 0.0040                             | 0.0030                             | 0.0046                             |
| 10:00-11:00 HOUR | 0.0039                                   | 0.0038                             | 0.0035                             | 0.0033                             | 0.0041                             |
| 11:00-12:00 HOUR | 0.0049                                   | 0.0028                             | 0.0028                             | 0.0027                             | 0.0038                             |
| 12:00-13:00 HOUR | 0.0045                                   | 0.0038                             | 0.0037                             | 0.0039                             | 0.0050                             |
| 13:00-14:00 HOUR | 0.0041                                   | 0.0037                             | 0.0047                             | 0.0033                             | 0.0055                             |
| 14:00-15:00 HOUR | 0.0051                                   | 0.0055                             | 0.0054                             | 0.0037                             | 0.0062                             |
| 15:00-16:00 HOUR | 0.0054                                   | 0.0065                             | 0.0047                             | 0.0036                             | 0.0058                             |
| 16:00-17:00 HOUR | 0.0056                                   | 0.0058                             | 0.0068                             | 0.0048                             | 0.0061                             |
| 17:00-18:00 HOUR | 0.0062                                   | 0.0070                             | 0.0056                             | 0.0051                             | 0.0059                             |
| 18:00-19:00 HOUR | 0.0061                                   | 0.0058                             | 0.0067                             | 0.0065                             | 0.0045                             |
| 19:00-20:00 HOUR | 0.0067                                   | 0.0050                             | 0.0067                             | 0.0065                             | 0.0059                             |
| 20:00-21:00 HOUR | 0.0076                                   | 0.0058                             | 0.0058                             | 0.0055                             | 0.0056                             |
| 21:00-22:00 HOUR | 0.0067                                   | 0.0049                             | 0.0061                             | 0.0046                             | 0.0047                             |
| 22:00-23:00 HOUR | 0.0072                                   | 0.0048                             | 0.0052                             | 0.0042                             | 0.0039                             |
| 23:00-00:00 HOUR | 0.0059                                   | 0.0055                             | 0.0051                             | 0.0055                             | 0.0042                             |
| 00:00-01:00 HOUR | 0.0044                                   | 0.0039                             | 0.0057                             | 0.0040                             | 0.0037                             |
| 01:00-02:00 HOUR | 0.0041                                   | 0.0036                             | 0.0051                             | 0.0044                             | 0.0039                             |
| 02:00-03:00 HOUR | 0.0043                                   | 0.0042                             | 0.0041                             | 0.0038                             | 0.0035                             |
| 03:00-04:00 HOUR | 0.0042                                   | 0.0038                             | 0.0054                             | 0.0046                             | 0.0041                             |
| 04:00-05:00 HOUR | 0.0056                                   | 0.0048                             | 0.0056                             | 0.0050                             | 0.0040                             |
| 05:00-06:00 HOUR | 0.0052                                   | 0.0057                             | 0.0067                             | 0.0063                             | 0.0063                             |
| 06:00-07:00 HOUR | 0.0042                                   | 0.0057                             | 0.0050                             | 0.0068                             | 0.0043                             |
| AVERAGE 24 HOUR  | 0.0053                                   | 0.0048                             | 0.0052                             | 0.0046                             | 0.0049                             |



## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)  
**CUSTOMER NAME** :   
**ADDRESS** :   
**CONTACT INFORMATION** :   
**MEASURING PLACE** : วิลล่าสาทร  
**MEASURING TYPE** : AMBIENT (AIR)  
**MEASURING DATE** : MAY 17-22, 2025  
**MEASURING TIME** :   
**MEASURING METHOD** :   
**MEASURED BY** :   
**RECEIVED DATE** : MAY 17-22, 2025  
**ANALYTICAL DATE** : MAY 17-22, 2025  
**ISSUE DATE** : JUNE 6, 2025  
**REPORT NO.** : 2025-U050207  
**WORK NO.** : 2024-010434  
**ANALYSIS NO.** : T25AL268-0001 - T25AL268-0005

| TIME *           | RESULT (ppm)                       |                                    |                                    |                                    |                                    |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | CARBON MONOXIDE                    |                                    |                                    |                                    |                                    |
|                  | วิลล่าสาทร                         |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0001 | MAY 18 - 19, 2025<br>T25AL268-0002 | MAY 19 - 20, 2025<br>T25AL268-0003 | MAY 20 - 21, 2025<br>T25AL268-0004 | MAY 21 - 22, 2025<br>T25AL268-0005 |
| 07:00-08:00 HOUR | 2.16                               | 2.40                               | 2.42                               | 2.20                               | 2.28                               |
| 08:00-09:00 HOUR | 2.00                               | 2.29                               | 2.09                               | 1.95                               | 2.27                               |
| 09:00-10:00 HOUR | 1.78                               | 1.89                               | 1.77                               | 1.70                               | 2.03                               |
| 10:00-11:00 HOUR | 1.76                               | 1.83                               | 1.78                               | 1.89                               | 1.98                               |
| 11:00-12:00 HOUR | 1.73                               | 1.79                               | 1.81                               | 1.75                               | 1.81                               |
| 12:00-13:00 HOUR | 1.76                               | 1.89                               | 1.85                               | 1.87                               | 1.85                               |
| 13:00-14:00 HOUR | 1.97                               | 2.07                               | 2.16                               | 2.05                               | 2.08                               |
| 14:00-15:00 HOUR | 2.00                               | 2.36                               | 2.28                               | 2.05                               | 1.97                               |
| 15:00-16:00 HOUR | 2.06                               | 2.38                               | 2.24                               | 2.23                               | 2.18                               |
| 16:00-17:00 HOUR | 2.00                               | 2.45                               | 2.31                               | 2.54                               | 2.45                               |
| 17:00-18:00 HOUR | 2.05                               | 2.51                               | 2.49                               | 2.51                               | 2.31                               |
| 18:00-19:00 HOUR | 2.22                               | 2.39                               | 2.30                               | 2.53                               | 2.39                               |
| 19:00-20:00 HOUR | 2.26                               | 2.31                               | 2.43                               | 2.32                               | 2.29                               |
| 20:00-21:00 HOUR | 2.01                               | 2.04                               | 2.44                               | 2.20                               | 2.26                               |
| 21:00-22:00 HOUR | 1.93                               | 2.12                               | 2.11                               | 2.16                               | 2.07                               |
| 22:00-23:00 HOUR | 1.86                               | 1.96                               | 2.05                               | 1.95                               | 1.98                               |
| 23:00-00:00 HOUR | 1.92                               | 1.93                               | 2.04                               | 2.01                               | 2.06                               |
| 00:00-01:00 HOUR | 1.95                               | 2.12                               | 1.87                               | 2.09                               | 2.01                               |
| 01:00-02:00 HOUR | 1.82                               | 2.07                               | 2.02                               | 2.32                               | 2.10                               |
| 02:00-03:00 HOUR | 1.94                               | 2.33                               | 1.76                               | 2.43                               | 2.20                               |
| 03:00-04:00 HOUR | 2.12                               | 2.35                               | 1.96                               | 2.27                               | 2.31                               |
| 04:00-05:00 HOUR | 2.20                               | 2.41                               | 2.18                               | 2.26                               | 2.41                               |
| 05:00-06:00 HOUR | 2.51                               | 2.56                               | 2.35                               | 2.38                               | 2.57                               |
| 06:00-07:00 HOUR | 2.56                               | 2.60                               | 2.33                               | 2.33                               | 2.49                               |

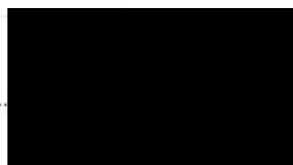
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## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)  
**CUSTOMER NAME** :   
**ADDRESS** :   
**CONTACT INFORMATION** :   
**MEASURING PLACE** : โรงเรียนวัดสุวรรณ  
**MEASURING TYPE** : AMBIENT (AIR) **RECEIVED DATE** : MAY 17-22, 2025  
**MEASURING DATE** : MAY 17-22, 2025 **ANALYTICAL DATE** : MAY 17-22, 2025  
**MEASURING TIME** : \* **ISSUE DATE** : JUNE 6, 2025  
**MEASURING METHOD** :   
**MEASURED BY** :   
**REPORT NO.** : 2025-U050209  
**WORK NO.** : 2024-010434  
**ANALYSIS NO.** : T25AL268-0006 - T25AL268-0010

| TIME *           | RESULT (ppm)                       |                                    |                                    |                                    |                                    |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | CARBON MONOXIDE                    |                                    |                                    |                                    |                                    |
|                  | โรงเรียนวัดสุวรรณ                  |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0006 | MAY 18 - 19, 2025<br>T25AL268-0007 | MAY 19 - 20, 2025<br>T25AL268-0008 | MAY 20 - 21, 2025<br>T25AL268-0009 | MAY 21 - 22, 2025<br>T25AL268-0010 |
| 07:00-08:00 HOUR | 2.15                               | 2.17                               | 2.35                               | 2.09                               | 2.04                               |
| 08:00-09:00 HOUR | 1.73                               | 2.05                               | 2.11                               | 1.82                               | 1.86                               |
| 09:00-10:00 HOUR | 1.51                               | 1.66                               | 1.90                               | 1.61                               | 1.67                               |
| 10:00-11:00 HOUR | 1.56                               | 1.65                               | 1.68                               | 1.80                               | 1.80                               |
| 11:00-12:00 HOUR | 1.65                               | 1.69                               | 1.66                               | 1.65                               | 1.55                               |
| 12:00-13:00 HOUR | 1.70                               | 1.77                               | 1.73                               | 1.89                               | 1.69                               |
| 13:00-14:00 HOUR | 1.97                               | 1.90                               | 1.85                               | 1.98                               | 1.96                               |
| 14:00-15:00 HOUR | 2.11                               | 1.99                               | 1.93                               | 2.18                               | 1.91                               |
| 15:00-16:00 HOUR | 2.23                               | 2.03                               | 2.16                               | 2.35                               | 2.26                               |
| 16:00-17:00 HOUR | 2.23                               | 2.16                               | 2.16                               | 2.39                               | 2.23                               |
| 17:00-18:00 HOUR | 2.23                               | 2.17                               | 2.07                               | 2.31                               | 2.21                               |
| 18:00-19:00 HOUR | 2.24                               | 2.15                               | 2.26                               | 2.24                               | 2.24                               |
| 19:00-20:00 HOUR | 2.40                               | 2.12                               | 2.24                               | 2.24                               | 2.44                               |
| 20:00-21:00 HOUR | 2.17                               | 2.16                               | 2.33                               | 2.20                               | 2.41                               |
| 21:00-22:00 HOUR | 2.06                               | 2.15                               | 2.58                               | 2.17                               | 2.44                               |
| 22:00-23:00 HOUR | 2.21                               | 2.31                               | 2.47                               | 2.22                               | 2.33                               |
| 23:00-00:00 HOUR | 2.14                               | 2.31                               | 2.25                               | 2.44                               | 2.50                               |
| 00:00-01:00 HOUR | 2.21                               | 2.20                               | 2.15                               | 2.32                               | 2.36                               |
| 01:00-02:00 HOUR | 2.37                               | 2.42                               | 2.26                               | 2.46                               | 2.40                               |
| 02:00-03:00 HOUR | 2.43                               | 2.28                               | 2.13                               | 2.32                               | 2.26                               |
| 03:00-04:00 HOUR | 2.39                               | 2.23                               | 2.24                               | 2.31                               | 2.38                               |
| 04:00-05:00 HOUR | 2.40                               | 2.23                               | 2.09                               | 2.17                               | 2.38                               |
| 05:00-06:00 HOUR | 2.44                               | 2.29                               | 2.39                               | 2.23                               | 2.36                               |
| 06:00-07:00 HOUR | 2.45                               | 2.34                               | 2.27                               | 2.19                               | 2.50                               |





## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)

**CUSTOMER NAME**

**ADDRESS**

**CONTACT INFORMATION**

**MEASURING PLACE** : สำนักงานเขตคลองสาน

**MEASURING TYPE** : AMBIENT (AIR)

**MEASURING DATE** : MAY 17-22, 2025

**MEASURING TIME**

**MEASURING METHOD**

**MEASURED BY**

**RECEIVED DATE** : MAY 17-22, 2025

**ANALYTICAL DATE** : MAY 17-22, 2025

**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U050211

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL268-0011 - T25AL268-0015

| TIME *           | RESULT (ppm)                       |                                    |                                    |                                    |                                    |
|------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | CARBON MONOXIDE                    |                                    |                                    |                                    |                                    |
|                  | สำนักงานเขตคลองสาน                 |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0011 | MAY 18 - 19, 2025<br>T25AL268-0012 | MAY 19 - 20, 2025<br>T25AL268-0013 | MAY 20 - 21, 2025<br>T25AL268-0014 | MAY 21 - 22, 2025<br>T25AL268-0015 |
| 07:00-08:00 HOUR | 2.35                               | 2.24                               | 2.19                               | 2.41                               | 2.33                               |
| 08:00-09:00 HOUR | 2.21                               | 1.92                               | 2.07                               | 2.13                               | 1.91                               |
| 09:00-10:00 HOUR | 1.87                               | 1.67                               | 1.89                               | 1.95                               | 1.64                               |
| 10:00-11:00 HOUR | 1.75                               | 1.64                               | 1.84                               | 1.80                               | 1.70                               |
| 11:00-12:00 HOUR | 1.55                               | 1.53                               | 1.81                               | 1.64                               | 1.69                               |
| 12:00-13:00 HOUR | 1.73                               | 1.71                               | 1.87                               | 1.94                               | 1.84                               |
| 13:00-14:00 HOUR | 1.90                               | 1.72                               | 1.91                               | 2.20                               | 2.04                               |
| 14:00-15:00 HOUR | 2.12                               | 1.69                               | 2.09                               | 2.48                               | 2.10                               |
| 15:00-16:00 HOUR | 2.26                               | 1.79                               | 2.15                               | 2.57                               | 2.28                               |
| 16:00-17:00 HOUR | 2.22                               | 1.94                               | 2.09                               | 2.67                               | 2.12                               |
| 17:00-18:00 HOUR | 2.40                               | 2.10                               | 2.17                               | 2.41                               | 2.29                               |
| 18:00-19:00 HOUR | 2.27                               | 2.11                               | 2.24                               | 2.32                               | 2.41                               |
| 19:00-20:00 HOUR | 2.30                               | 2.09                               | 2.18                               | 2.41                               | 2.26                               |
| 20:00-21:00 HOUR | 2.12                               | 2.06                               | 2.05                               | 2.26                               | 2.26                               |
| 21:00-22:00 HOUR | 2.03                               | 2.15                               | 1.84                               | 2.10                               | 2.33                               |
| 22:00-23:00 HOUR | 2.08                               | 2.20                               | 1.80                               | 1.88                               | 2.35                               |
| 23:00-00:00 HOUR | 2.09                               | 2.24                               | 2.00                               | 1.90                               | 2.22                               |
| 00:00-01:00 HOUR | 2.03                               | 2.18                               | 1.87                               | 1.80                               | 2.31                               |
| 01:00-02:00 HOUR | 1.91                               | 2.24                               | 2.00                               | 2.05                               | 2.15                               |
| 02:00-03:00 HOUR | 1.95                               | 2.36                               | 2.04                               | 2.09                               | 2.24                               |
| 03:00-04:00 HOUR | 1.99                               | 2.16                               | 2.01                               | 2.25                               | 2.24                               |
| 04:00-05:00 HOUR | 2.00                               | 2.20                               | 2.33                               | 2.40                               | 2.24                               |
| 05:00-06:00 HOUR | 2.22                               | 2.25                               | 2.33                               | 2.38                               | 2.22                               |
| 06:00-07:00 HOUR | 2.28                               | 2.20                               | 2.43                               | 2.42                               | 2.50                               |



## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงเทพมหานคร-ปทุมธานี)

**CUSTOMER NAME**

**ADDRESS**

**CONTACT INFORMATION**

**MEASURING PLACE**

**MEASURING TYPE** : AMBIENT (AIR)

**MEASURING DATE** : MAY 17-22, 2025

**MEASURING TIME** : \*

**MEASURING METHOD**

**MEASURED BY**

**RECEIVED DATE** : MAY 17-22, 2025

**ANALYTICAL DATE** : MAY 17-22, 2025

**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U050212

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL268-0016 - T25AL268-0020

| TIME *           | RESULT (ppm)                                  |                                    |                                    |                                    |                                    |
|------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                  | CARBON MONOXIDE                               |                                    |                                    |                                    |                                    |
|                  | ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพี่นางเธอฯ |                                    |                                    |                                    |                                    |
|                  | MAY 17 - 18, 2025<br>T25AL268-0016            | MAY 18 - 19, 2025<br>T25AL268-0017 | MAY 19 - 20, 2025<br>T25AL268-0018 | MAY 20 - 21, 2025<br>T25AL268-0019 | MAY 21 - 22, 2025<br>T25AL268-0020 |
| 07:00-08:00 HOUR | 2.10  | 2.14                               | 1.84                               | 1.89                               | 2.04                               |
| 08:00-09:00 HOUR | 1.80  | 1.90                               | 1.82                               | 1.70                               | 1.86                               |
| 09:00-10:00 HOUR | 1.46  | 1.76                               | 1.54                               | 1.48                               | 1.64                               |
| 10:00-11:00 HOUR | 1.35  | 1.70                               | 1.54                               | 1.52                               | 1.60                               |
| 11:00-12:00 HOUR | 1.48  | 1.71                               | 1.66                               | 1.49                               | 1.56                               |
| 12:00-13:00 HOUR | 1.65  | 1.76                               | 1.71                               | 1.56                               | 1.55                               |
| 13:00-14:00 HOUR | 1.68  | 1.73                               | 1.78                               | 1.63                               | 1.66                               |
| 14:00-15:00 HOUR | 1.87  | 1.76                               | 1.60                               | 1.70                               | 1.70                               |
| 15:00-16:00 HOUR | 1.98  | 1.87                               | 1.70                               | 1.94                               | 1.91                               |
| 16:00-17:00 HOUR | 2.00  | 2.03                               | 1.84                               | 2.04                               | 2.21                               |
| 17:00-18:00 HOUR | 1.96  | 2.06                               | 1.85                               | 2.16                               | 2.03                               |
| 18:00-19:00 HOUR | 1.96  | 2.05                               | 1.94                               | 2.07                               | 2.05                               |
| 19:00-20:00 HOUR | 2.09  | 2.26                               | 2.07                               | 2.02                               | 2.05                               |
| 20:00-21:00 HOUR | 1.87  | 2.21                               | 2.14                               | 1.97                               | 2.08                               |
| 21:00-22:00 HOUR | 1.86  | 2.25                               | 2.26                               | 1.96                               | 1.97                               |
| 22:00-23:00 HOUR | 2.03  | 2.11                               | 2.32                               | 1.84                               | 2.00                               |
| 23:00-00:00 HOUR | 1.95  | 2.04                               | 2.20                               | 1.91                               | 1.92                               |
| 00:00-01:00 HOUR | 1.90  | 2.13                               | 2.05                               | 1.71                               | 1.97                               |
| 01:00-02:00 HOUR | 2.00  | 1.97                               | 2.01                               | 1.74                               | 2.05                               |
| 02:00-03:00 HOUR | 1.98  | 1.87                               | 1.75                               | 1.71                               | 2.16                               |
| 03:00-04:00 HOUR | 1.83  | 1.82                               | 1.78                               | 1.85                               | 2.10                               |
| 04:00-05:00 HOUR | 2.04  | 1.99                               | 2.05                               | 2.01                               | 2.19                               |
| 05:00-06:00 HOUR | 2.22  | 2.13                               | 2.06                               | 2.05                               | 2.13                               |
| 06:00-07:00 HOUR | 2.19  | 2.12                               | 2.10                               | 2.00                               | 2.18                               |



## ภาคผนวก 2ค

ใบรับรองผลการตรวจวิเคราะห์ระดับเสียงโดยทั่วไป

## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)

**CUSTOMER NAME**

**ADDRESS**

**CONTACT INFORMATION**

**MEASURING SOURCE** : วิลล่าสาทร

**MEASURING TYPE** : AMBIENT (NOISE)

**MEASURING DATE** : MAY 17-22, 2025

**MEASURING TIME** : \*

**MEASURING METHOD**

**MEASURED BY**

**RECEIVED DATE** : MAY 17-22, 2025

**ANALYTICAL DATE** : MAY 17-22, 2025

**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U050203

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL270-0001 - T25AL270-0005

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | วิลล่าสาทร              |                          |                         |
|                           | MAY 17 - 18, 2025       |                          |                         |
|                           | T25AL270-0001           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 62.3                    | 75.7                     | 59.5                    |
| 08:00-09:00 HOUR          | 61.0                    | 75.1                     | 59.1                    |
| 09:00-10:00 HOUR          | 62.3                    | 77.1                     | 60.3                    |
| 10:00-11:00 HOUR          | 61.4                    | 75.6                     | 59.2                    |
| 11:00-12:00 HOUR          | 60.2                    | 73.6                     | 57.4                    |
| 12:00-13:00 HOUR          | 63.3                    | 77.0                     | 60.6                    |
| 13:00-14:00 HOUR          | 60.5                    | 72.7                     | 57.7                    |
| 14:00-15:00 HOUR          | 59.1                    | 72.0                     | 57.0                    |
| 15:00-16:00 HOUR          | 60.6                    | 72.1                     | 58.6                    |
| 16:00-17:00 HOUR          | 61.0                    | 74.3                     | 58.7                    |
| 17:00-18:00 HOUR          | 62.6                    | 76.7                     | 60.6                    |
| 18:00-19:00 HOUR          | 62.5                    | 75.2                     | 60.0                    |
| 19:00-20:00 HOUR          | 62.7                    | 78.1                     | 60.5                    |
| 20:00-21:00 HOUR          | 60.1                    | 74.8                     | 57.3                    |
| 21:00-22:00 HOUR          | 60.5                    | 73.0                     | 58.5                    |
| 22:00-23:00 HOUR          | 59.7                    | 73.8                     | 57.1                    |
| 23:00-00:00 HOUR          | 59.1                    | 71.8                     | 56.8                    |
| 00:00-01:00 HOUR          | 59.6                    | 71.6                     | 56.7                    |
| 01:00-02:00 HOUR          | 59.1                    | 72.9                     | 56.8                    |
| 02:00-03:00 HOUR          | 57.3                    | 70.5                     | 54.5                    |
| 03:00-04:00 HOUR          | 62.3                    | 77.1                     | 59.9                    |
| 04:00-05:00 HOUR          | 62.2                    | 76.0                     | 59.6                    |
| 05:00-06:00 HOUR          | 62.0                    | 74.8                     | 59.6                    |
| 06:00-07:00 HOUR          | 62.1                    | 76.8                     | 59.2                    |
| L <sub>Aeq</sub> 24 hours |                         | 61.2                     |                         |
| L <sub>Adn</sub>          |                         | 67.2                     |                         |





| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | วัดสำหรับ               |                          |                         |
|                           | MAY 18 - 19, 2025       |                          |                         |
|                           | T25AL270-0002           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 61.7                    | 77.0                     | 59.0                    |
| 08:00-09:00 HOUR          | 61.9                    | 75.5                     | 59.4                    |
| 09:00-10:00 HOUR          | 62.0                    | 75.7                     | 59.3                    |
| 10:00-11:00 HOUR          | 60.6                    | 76.1                     | 58.1                    |
| 11:00-12:00 HOUR          | 60.3                    | 73.0                     | 57.4                    |
| 12:00-13:00 HOUR          | 60.8                    | 74.9                     | 58.5                    |
| 13:00-14:00 HOUR          | 60.3                    | 72.7                     | 57.8                    |
| 14:00-15:00 HOUR          | 59.3                    | 73.4                     | 57.3                    |
| 15:00-16:00 HOUR          | 58.9                    | 73.3                     | 56.3                    |
| 16:00-17:00 HOUR          | 59.4                    | 71.9                     | 57.1                    |
| 17:00-18:00 HOUR          | 58.1                    | 71.8                     | 55.7                    |
| 18:00-19:00 HOUR          | 58.5                    | 71.9                     | 56.4                    |
| 19:00-20:00 HOUR          | 59.2                    | 73.5                     | 56.5                    |
| 20:00-21:00 HOUR          | 60.2                    | 72.6                     | 57.7                    |
| 21:00-22:00 HOUR          | 61.5                    | 74.1                     | 59.4                    |
| 22:00-23:00 HOUR          | 62.0                    | 77.1                     | 59.7                    |
| 23:00-00:00 HOUR          | 57.9                    | 72.5                     | 55.4                    |
| 00:00-01:00 HOUR          | 59.4                    | 74.5                     | 56.7                    |
| 01:00-02:00 HOUR          | 58.9                    | 72.1                     | 56.0                    |
| 02:00-03:00 HOUR          | 61.0                    | 73.1                     | 58.2                    |
| 03:00-04:00 HOUR          | 62.3                    | 75.4                     | 60.0                    |
| 04:00-05:00 HOUR          | 61.5                    | 74.2                     | 58.7                    |
| 05:00-06:00 HOUR          | 60.7                    | 74.8                     | 58.0                    |
| 06:00-07:00 HOUR          | 59.5                    | 73.3                     | 57.0                    |
| L <sub>Aeq</sub> 24 hours |                         | 60.4                     |                         |
| L <sub>Adn</sub>          |                         | 67.0                     |                         |

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | วัดลำสาทร               |                          |                         |
|                           | MAY 19 - 20, 2025       |                          |                         |
|                           | T25AL270-0003           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 59.9                    | 73.6                     | 57.4                    |
| 08:00-09:00 HOUR          | 60.5                    | 73.5                     | 58.6                    |
| 09:00-10:00 HOUR          | 60.9                    | 73.5                     | 58.6                    |
| 10:00-11:00 HOUR          | 61.0                    | 73.3                     | 58.1                    |
| 11:00-12:00 HOUR          | 60.1                    | 74.8                     | 58.1                    |
| 12:00-13:00 HOUR          | 59.5                    | 73.9                     | 56.8                    |
| 13:00-14:00 HOUR          | 60.3                    | 73.8                     | 57.4                    |
| 14:00-15:00 HOUR          | 60.8                    | 73.5                     | 57.9                    |
| 15:00-16:00 HOUR          | 61.7                    | 74.2                     | 58.8                    |
| 16:00-17:00 HOUR          | 62.1                    | 74.8                     | 60.1                    |
| 17:00-18:00 HOUR          | 62.7                    | 78.1                     | 60.2                    |
| 18:00-19:00 HOUR          | 62.3                    | 74.9                     | 60.0                    |
| 19:00-20:00 HOUR          | 62.2                    | 74.6                     | 60.3                    |
| 20:00-21:00 HOUR          | 62.3                    | 74.4                     | 59.6                    |
| 21:00-22:00 HOUR          | 61.5                    | 76.0                     | 58.8                    |
| 22:00-23:00 HOUR          | 61.7                    | 77.3                     | 59.3                    |
| 23:00-00:00 HOUR          | 60.4                    | 73.5                     | 58.5                    |
| 00:00-01:00 HOUR          | 63.0                    | 77.7                     | 60.2                    |
| 01:00-02:00 HOUR          | 62.9                    | 76.3                     | 60.3                    |
| 02:00-03:00 HOUR          | 59.2                    | 72.4                     | 57.3                    |
| 03:00-04:00 HOUR          | 62.4                    | 76.3                     | 59.6                    |
| 04:00-05:00 HOUR          | 61.7                    | 73.7                     | 59.4                    |
| 05:00-06:00 HOUR          | 61.9                    | 76.6                     | 59.8                    |
| 06:00-07:00 HOUR          | 61.2                    | 74.5                     | 58.8                    |
| L <sub>Aeq</sub> 24 hours |                         | 61.5                     |                         |
| L <sub>Adn</sub>          |                         | 68.1                     |                         |

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | วัดสำหรับ               |                          |                         |
|                           | MAY 20 - 21, 2025       |                          |                         |
|                           | T25AL270-0004           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 61.7                    | 75.6                     | 59.5                    |
| 08:00-09:00 HOUR          | 60.7                    | 72.6                     | 58.6                    |
| 09:00-10:00 HOUR          | 60.6                    | 75.4                     | 58.1                    |
| 10:00-11:00 HOUR          | 61.0                    | 75.3                     | 58.5                    |
| 11:00-12:00 HOUR          | 60.2                    | 74.1                     | 57.3                    |
| 12:00-13:00 HOUR          | 60.9                    | 74.3                     | 58.8                    |
| 13:00-14:00 HOUR          | 59.1                    | 72.5                     | 56.7                    |
| 14:00-15:00 HOUR          | 58.3                    | 73.3                     | 56.3                    |
| 15:00-16:00 HOUR          | 58.1                    | 71.3                     | 55.8                    |
| 16:00-17:00 HOUR          | 58.3                    | 72.5                     | 56.0                    |
| 17:00-18:00 HOUR          | 58.5                    | 72.5                     | 56.0                    |
| 18:00-19:00 HOUR          | 57.8                    | 71.1                     | 55.9                    |
| 19:00-20:00 HOUR          | 58.8                    | 73.8                     | 56.4                    |
| 20:00-21:00 HOUR          | 60.0                    | 74.3                     | 58.1                    |
| 21:00-22:00 HOUR          | 60.4                    | 72.5                     | 57.8                    |
| 22:00-23:00 HOUR          | 59.5                    | 72.4                     | 57.1                    |
| 23:00-00:00 HOUR          | 61.6                    | 78.0                     | 59.2                    |
| 00:00-01:00 HOUR          | 62.4                    | 74.1                     | 60.1                    |
| 01:00-02:00 HOUR          | 63.0                    | 77.0                     | 60.4                    |
| 02:00-03:00 HOUR          | 62.9                    | 74.8                     | 60.2                    |
| 03:00-04:00 HOUR          | 62.1                    | 77.5                     | 59.8                    |
| 04:00-05:00 HOUR          | 61.2                    | 76.6                     | 59.1                    |
| 05:00-06:00 HOUR          | 62.6                    | 77.0                     | 60.5                    |
| 06:00-07:00 HOUR          | 62.4                    | 78.0                     | 60.1                    |
| L <sub>Aeq</sub> 24 hours |                         | 60.8                     |                         |
| L <sub>Adn</sub>          |                         | 68.2                     |                         |

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | วัดลำสาทร               |                          |                         |
|                           | MAY 21 - 22, 2025       |                          |                         |
|                           | T25AL270-0005           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 60.0                    | 72.8                     | 57.5                    |
| 08:00-09:00 HOUR          | 60.3                    | 74.5                     | 57.8                    |
| 09:00-10:00 HOUR          | 61.9                    | 75.4                     | 59.0                    |
| 10:00-11:00 HOUR          | 61.2                    | 75.7                     | 58.8                    |
| 11:00-12:00 HOUR          | 60.4                    | 74.7                     | 57.9                    |
| 12:00-13:00 HOUR          | 61.5                    | 74.1                     | 59.2                    |
| 13:00-14:00 HOUR          | 62.0                    | 75.7                     | 59.2                    |
| 14:00-15:00 HOUR          | 62.4                    | 76.1                     | 60.0                    |
| 15:00-16:00 HOUR          | 61.9                    | 76.5                     | 59.7                    |
| 16:00-17:00 HOUR          | 60.3                    | 75.8                     | 57.9                    |
| 17:00-18:00 HOUR          | 62.1                    | 75.7                     | 59.2                    |
| 18:00-19:00 HOUR          | 62.1                    | 75.4                     | 59.5                    |
| 19:00-20:00 HOUR          | 60.0                    | 71.5                     | 58.0                    |
| 20:00-21:00 HOUR          | 62.1                    | 77.2                     | 60.2                    |
| 21:00-22:00 HOUR          | 61.3                    | 73.9                     | 59.3                    |
| 22:00-23:00 HOUR          | 62.0                    | 75.3                     | 59.4                    |
| 23:00-00:00 HOUR          | 62.3                    | 76.3                     | 59.8                    |
| 00:00-01:00 HOUR          | 63.1                    | 77.0                     | 61.1                    |
| 01:00-02:00 HOUR          | 61.9                    | 76.6                     | 59.0                    |
| 02:00-03:00 HOUR          | 62.4                    | 76.4                     | 60.5                    |
| 03:00-04:00 HOUR          | 62.8                    | 76.9                     | 60.2                    |
| 04:00-05:00 HOUR          | 62.1                    | 75.8                     | 59.7                    |
| 05:00-06:00 HOUR          | 62.0                    | 75.4                     | 59.1                    |
| 06:00-07:00 HOUR          | 62.2                    | 75.1                     | 60.2                    |
| L <sub>Aeq</sub> 24 hours |                         | 61.8                     |                         |
| L <sub>Adn</sub>          |                         | 68.6                     |                         |

REMARK : \*\* ISO 1996-1:2016

\*\* NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)

\*\* NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

\*\* NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, B.E. 2548

\*\* NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ON THE MEASUREMENT METHOD FOR NOISE POLLUTION, 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, B.E. 2553, DATED DECEMBER 20, B.E. 2553



## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)  
**CUSTOMER NAME** :   
**ADDRESS** :   
**CONTACT INFORMATION** :   
**MEASURING SOURCE** :   
**MEASURING TYPE** : AMBIENT (NOISE) **RECEIVED DATE** : MAY 17-22, 2025  
**MEASURING DATE** : MAY 17-22, 2025 **ANALYTICAL DATE** : MAY 17-22, 2025  
**MEASURING TIME** : \* **ISSUE DATE** : JUNE 6, 2025  
**MEASURING METHOD** :   
**MEASURED BY** :   
**REPORT NO.** : 2025-U050204  
**WORK NO.** : 2024-010434  
**ANALYSIS NO.** : T25AL270-0006 - T25AL270-0010

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | โรงเรียนวัดสุวรรณ       |                          |                         |
|                           | MAY 17 - 18, 2025       |                          |                         |
|                           | T25AL270-0006           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 52.2                    | 65.8                     | 46.5                    |
| 08:00-09:00 HOUR          | 51.5                    | 67.6                     | 47.4                    |
| 09:00-10:00 HOUR          | 52.8                    | 69.6                     | 47.8                    |
| 10:00-11:00 HOUR          | 54.1                    | 80.2                     | 48.2                    |
| 11:00-12:00 HOUR          | 56.2                    | 73.5                     | 50.8                    |
| 12:00-13:00 HOUR          | 52.8                    | 67.6                     | 50.3                    |
| 13:00-14:00 HOUR          | 53.1                    | 71.6                     | 50.1                    |
| 14:00-15:00 HOUR          | 54.8                    | 77.8                     | 48.6                    |
| 15:00-16:00 HOUR          | 62.0                    | 78.9                     | 53.0                    |
| 16:00-17:00 HOUR          | 57.4                    | 74.8                     | 50.5                    |
| 17:00-18:00 HOUR          | 61.1                    | 76.2                     | 50.5                    |
| 18:00-19:00 HOUR          | 55.7                    | 81.3                     | 49.5                    |
| 19:00-20:00 HOUR          | 58.1                    | 77.4                     | 50.3                    |
| 20:00-21:00 HOUR          | 56.2                    | 80.5                     | 50.4                    |
| 21:00-22:00 HOUR          | 52.6                    | 68.2                     | 49.0                    |
| 22:00-23:00 HOUR          | 52.8                    | 74.7                     | 49.6                    |
| 23:00-00:00 HOUR          | 56.4                    | 72.4                     | 49.9                    |
| 00:00-01:00 HOUR          | 54.9                    | 74.7                     | 49.8                    |
| 01:00-02:00 HOUR          | 54.9                    | 72.9                     | 50.3                    |
| 02:00-03:00 HOUR          | 56.5                    | 83.3                     | 50.1                    |
| 03:00-04:00 HOUR          | 52.4                    | 66.4                     | 49.5                    |
| 04:00-05:00 HOUR          | 54.0                    | 80.3                     | 49.8                    |
| 05:00-06:00 HOUR          | 51.9                    | 67.1                     | 49.3                    |
| 06:00-07:00 HOUR          | 51.7                    | 71.4                     | 49.4                    |
| L <sub>Aeq</sub> 24 hours |                         | 55.9                     |                         |
| L <sub>Adn</sub>          |                         | 61.1                     |                         |



| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | โรงเรียนวัดสุวรรณ       |                          |                         |
|                           | MAY 18 - 19, 2025       |                          |                         |
|                           | T25AL270-0007           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 52.8                    | 66.1                     | 49.4                    |
| 08:00-09:00 HOUR          | 51.8                    | 68.4                     | 48.9                    |
| 09:00-10:00 HOUR          | 50.9                    | 70.2                     | 48.6                    |
| 10:00-11:00 HOUR          | 50.8                    | 74.3                     | 48.0                    |
| 11:00-12:00 HOUR          | 49.2                    | 69.7                     | 47.4                    |
| 12:00-13:00 HOUR          | 49.1                    | 66.6                     | 47.5                    |
| 13:00-14:00 HOUR          | 48.6                    | 60.4                     | 47.3                    |
| 14:00-15:00 HOUR          | 47.8                    | 54.1                     | 46.8                    |
| 15:00-16:00 HOUR          | 47.7                    | 57.2                     | 46.8                    |
| 16:00-17:00 HOUR          | 49.5                    | 55.5                     | 46.7                    |
| 17:00-18:00 HOUR          | 47.7                    | 62.7                     | 46.7                    |
| 18:00-19:00 HOUR          | 48.7                    | 63.2                     | 46.9                    |
| 19:00-20:00 HOUR          | 48.2                    | 61.3                     | 46.6                    |
| 20:00-21:00 HOUR          | 47.9                    | 61.4                     | 46.5                    |
| 21:00-22:00 HOUR          | 50.3                    | 66.5                     | 46.9                    |
| 22:00-23:00 HOUR          | 54.1                    | 72.0                     | 47.1                    |
| 23:00-00:00 HOUR          | 55.0                    | 77.6                     | 48.3                    |
| 00:00-01:00 HOUR          | 52.7                    | 70.2                     | 48.4                    |
| 01:00-02:00 HOUR          | 53.6                    | 67.5                     | 48.1                    |
| 02:00-03:00 HOUR          | 53.8                    | 72.2                     | 48.3                    |
| 03:00-04:00 HOUR          | 56.3                    | 75.0                     | 49.4                    |
| 04:00-05:00 HOUR          | 51.4                    | 69.7                     | 47.3                    |
| 05:00-06:00 HOUR          | 51.1                    | 70.3                     | 47.6                    |
| 06:00-07:00 HOUR          | 52.7                    | 75.9                     | 48.2                    |
| L <sub>Aeq</sub> 24 hours |                         | 51.6                     |                         |
| L <sub>Adn</sub>          |                         | 59.7                     |                         |

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | โรงเรียนวัดสุวรรณ       |                          |                         |
|                           | MAY 19 - 20, 2025       |                          |                         |
|                           | T25AL270-0008           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 54.4                    | 72.8                     | 48.7                    |
| 08:00-09:00 HOUR          | 58.3                    | 79.2                     | 50.7                    |
| 09:00-10:00 HOUR          | 61.7                    | 82.7                     | 56.4                    |
| 10:00-11:00 HOUR          | 64.3                    | 84.7                     | 55.1                    |
| 11:00-12:00 HOUR          | 59.7                    | 85.0                     | 51.9                    |
| 12:00-13:00 HOUR          | 56.8                    | 79.1                     | 53.2                    |
| 13:00-14:00 HOUR          | 58.2                    | 75.2                     | 53.2                    |
| 14:00-15:00 HOUR          | 56.6                    | 70.4                     | 53.4                    |
| 15:00-16:00 HOUR          | 58.8                    | 80.6                     | 53.9                    |
| 16:00-17:00 HOUR          | 59.4                    | 75.2                     | 54.0                    |
| 17:00-18:00 HOUR          | 57.9                    | 73.8                     | 53.0                    |
| 18:00-19:00 HOUR          | 59.4                    | 78.3                     | 52.0                    |
| 19:00-20:00 HOUR          | 59.1                    | 79.1                     | 53.6                    |
| 20:00-21:00 HOUR          | 62.3                    | 81.1                     | 56.5                    |
| 21:00-22:00 HOUR          | 65.8                    | 91.3                     | 57.4                    |
| 22:00-23:00 HOUR          | 56.9                    | 75.7                     | 54.0                    |
| 23:00-00:00 HOUR          | 55.7                    | 71.0                     | 50.6                    |
| 00:00-01:00 HOUR          | 63.2                    | 82.5                     | 56.3                    |
| 01:00-02:00 HOUR          | 61.8                    | 81.1                     | 55.7                    |
| 02:00-03:00 HOUR          | 57.4                    | 73.3                     | 54.5                    |
| 03:00-04:00 HOUR          | 56.7                    | 71.8                     | 54.2                    |
| 04:00-05:00 HOUR          | 55.9                    | 69.6                     | 54.1                    |
| 05:00-06:00 HOUR          | 55.6                    | 72.4                     | 54.0                    |
| 06:00-07:00 HOUR          | 57.1                    | 76.0                     | 54.2                    |
| L <sub>Aeq</sub> 24 hours |                         | 60.0                     |                         |
| L <sub>Adn</sub>          |                         | 65.5                     |                         |

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | โรงเรียนวัดสุวรรณ       |                          |                         |
|                           | MAY 20 - 21, 2025       |                          |                         |
|                           | T25AL270-0009           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 55.7                    | 67.3                     | 53.8                    |
| 08:00-09:00 HOUR          | 55.2                    | 67.9                     | 53.6                    |
| 09:00-10:00 HOUR          | 55.4                    | 76.5                     | 52.9                    |
| 10:00-11:00 HOUR          | 54.3                    | 72.0                     | 52.4                    |
| 11:00-12:00 HOUR          | 55.6                    | 89.1                     | 52.1                    |
| 12:00-13:00 HOUR          | 53.7                    | 63.8                     | 51.9                    |
| 13:00-14:00 HOUR          | 53.5                    | 69.0                     | 51.6                    |
| 14:00-15:00 HOUR          | 53.0                    | 74.0                     | 51.3                    |
| 15:00-16:00 HOUR          | 52.9                    | 65.1                     | 50.7                    |
| 16:00-17:00 HOUR          | 53.5                    | 72.8                     | 50.8                    |
| 17:00-18:00 HOUR          | 53.1                    | 66.7                     | 51.1                    |
| 18:00-19:00 HOUR          | 53.0                    | 64.1                     | 50.7                    |
| 19:00-20:00 HOUR          | 52.7                    | 60.0                     | 50.7                    |
| 20:00-21:00 HOUR          | 51.9                    | 69.5                     | 50.2                    |
| 21:00-22:00 HOUR          | 52.3                    | 65.3                     | 50.7                    |
| 22:00-23:00 HOUR          | 59.7                    | 73.4                     | 51.5                    |
| 23:00-00:00 HOUR          | 61.0                    | 87.1                     | 52.1                    |
| 00:00-01:00 HOUR          | 55.4                    | 70.5                     | 51.9                    |
| 01:00-02:00 HOUR          | 55.5                    | 68.8                     | 52.7                    |
| 02:00-03:00 HOUR          | 57.3                    | 77.1                     | 53.3                    |
| 03:00-04:00 HOUR          | 60.8                    | 81.5                     | 53.8                    |
| 04:00-05:00 HOUR          | 53.2                    | 72.3                     | 50.4                    |
| 05:00-06:00 HOUR          | 51.8                    | 70.2                     | 49.9                    |
| 06:00-07:00 HOUR          | 50.7                    | 62.8                     | 49.6                    |
| L <sub>Aeq</sub> 24 hours |                         | 55.6                     |                         |
| L <sub>Adn</sub>          |                         | 63.6                     |                         |

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | โรงเรียนวัดสุวรรณ       |                          |                         |
|                           | MAY 21 - 22, 2025       |                          |                         |
|                           | T25AL270-0010           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 50.8                    | 62.1                     | 49.8                    |
| 08:00-09:00 HOUR          | 51.8                    | 68.1                     | 50.1                    |
| 09:00-10:00 HOUR          | 53.5                    | 76.0                     | 50.8                    |
| 10:00-11:00 HOUR          | 61.3                    | 88.7                     | 50.5                    |
| 11:00-12:00 HOUR          | 58.8                    | 88.3                     | 50.6                    |
| 12:00-13:00 HOUR          | 52.7                    | 78.9                     | 48.8                    |
| 13:00-14:00 HOUR          | 54.0                    | 74.8                     | 48.7                    |
| 14:00-15:00 HOUR          | 60.0                    | 71.2                     | 50.0                    |
| 15:00-16:00 HOUR          | 52.4                    | 71.2                     | 49.5                    |
| 16:00-17:00 HOUR          | 54.3                    | 81.3                     | 49.3                    |
| 17:00-18:00 HOUR          | 52.9                    | 74.4                     | 49.1                    |
| 18:00-19:00 HOUR          | 52.7                    | 72.8                     | 49.0                    |
| 19:00-20:00 HOUR          | 50.5                    | 75.9                     | 47.7                    |
| 20:00-21:00 HOUR          | 53.0                    | 66.2                     | 51.6                    |
| 21:00-22:00 HOUR          | 52.6                    | 64.7                     | 51.3                    |
| 22:00-23:00 HOUR          | 53.2                    | 68.4                     | 51.4                    |
| 23:00-00:00 HOUR          | 53.8                    | 66.7                     | 50.4                    |
| 00:00-01:00 HOUR          | 55.6                    | 89.1                     | 52.1                    |
| 01:00-02:00 HOUR          | 52.0                    | 69.9                     | 47.6                    |
| 02:00-03:00 HOUR          | 52.1                    | 69.2                     | 47.5                    |
| 03:00-04:00 HOUR          | 52.9                    | 71.8                     | 48.7                    |
| 04:00-05:00 HOUR          | 50.3                    | 66.6                     | 47.6                    |
| 05:00-06:00 HOUR          | 49.2                    | 63.3                     | 47.4                    |
| 06:00-07:00 HOUR          | 48.7                    | 65.4                     | 47.0                    |
| L <sub>Aeq</sub> 24 hours |                         | 54.6                     |                         |
| L <sub>Adn</sub>          |                         | 59.5                     |                         |

REMARK : \*\* ISO 1996-1:2016

\*\* NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)

\*\* NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

\*\* NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, B.E. 2548

\*\* NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ON THE MEASUREMENT METHOD FOR NOISE POLLUTION, 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, B.E. 2553, DATED DECEMBER 20, B.E. 2553



## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)

**CUSTOMER NAME** :

**ADDRESS** :

**CONTACT INFORMATION** :

**MEASURING SOURCE** : สำนักงานเขตคลองสาน

**MEASURING TYPE** : AMBIENT (NOISE)

**MEASURING DATE** : MAY 17-22, 2025

**MEASURING TIME** : \*

**MEASURING METHOD** :

**MEASURED BY** :

**RECEIVED DATE** : MAY 17-22, 2025

**ANALYTICAL DATE** : MAY 17-22, 2025

**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U050205

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL270-0011 - T25AL270-0015

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | สำนักงานเขตคลองสาน      |                          |                         |
|                           | MAY 17 - 18, 2025       |                          |                         |
|                           | T25AL270-0011           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 52.1                    | 65.5                     | 50.1                    |
| 08:00-09:00 HOUR          | 52.3                    | 65.6                     | 50.0                    |
| 09:00-10:00 HOUR          | 50.8                    | 62.7                     | 48.1                    |
| 10:00-11:00 HOUR          | 50.5                    | 65.3                     | 48.2                    |
| 11:00-12:00 HOUR          | 50.4                    | 65.8                     | 48.2                    |
| 12:00-13:00 HOUR          | 51.9                    | 66.8                     | 49.5                    |
| 13:00-14:00 HOUR          | 50.6                    | 63.5                     | 48.0                    |
| 14:00-15:00 HOUR          | 51.1                    | 65.7                     | 48.2                    |
| 15:00-16:00 HOUR          | 51.7                    | 65.2                     | 49.2                    |
| 16:00-17:00 HOUR          | 53.0                    | 66.5                     | 51.0                    |
| 17:00-18:00 HOUR          | 54.1                    | 67.1                     | 51.3                    |
| 18:00-19:00 HOUR          | 50.3                    | 63.8                     | 48.1                    |
| 19:00-20:00 HOUR          | 52.1                    | 65.0                     | 49.4                    |
| 20:00-21:00 HOUR          | 51.8                    | 65.1                     | 49.9                    |
| 21:00-22:00 HOUR          | 52.4                    | 66.0                     | 49.6                    |
| 22:00-23:00 HOUR          | 51.5                    | 65.4                     | 49.4                    |
| 23:00-00:00 HOUR          | 52.0                    | 64.8                     | 49.7                    |
| 00:00-01:00 HOUR          | 51.9                    | 64.0                     | 49.6                    |
| 01:00-02:00 HOUR          | 50.6                    | 64.8                     | 47.9                    |
| 02:00-03:00 HOUR          | 51.8                    | 63.8                     | 49.7                    |
| 03:00-04:00 HOUR          | 51.9                    | 65.2                     | 49.2                    |
| 04:00-05:00 HOUR          | 50.7                    | 64.1                     | 48.3                    |
| 05:00-06:00 HOUR          | 51.8                    | 65.4                     | 49.3                    |
| 06:00-07:00 HOUR          | 50.5                    | 64.7                     | 48.6                    |
| L <sub>Aeq</sub> 24 hours |                         | 51.7                     |                         |
| L <sub>Adn</sub>          |                         | 57.9                     |                         |



| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | สำนักงานเขตคลองสาน      |                          |                         |
|                           | MAY 18 - 19, 2025       |                          |                         |
|                           | T25AL270-0012           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 50.8                    | 62.5                     | 48.9                    |
| 08:00-09:00 HOUR          | 51.0                    | 64.1                     | 48.2                    |
| 09:00-10:00 HOUR          | 50.5                    | 64.0                     | 48.1                    |
| 10:00-11:00 HOUR          | 50.5                    | 63.0                     | 47.7                    |
| 11:00-12:00 HOUR          | 51.1                    | 62.9                     | 48.3                    |
| 12:00-13:00 HOUR          | 50.5                    | 62.8                     | 48.4                    |
| 13:00-14:00 HOUR          | 49.9                    | 61.9                     | 47.3                    |
| 14:00-15:00 HOUR          | 49.4                    | 61.9                     | 46.6                    |
| 15:00-16:00 HOUR          | 49.2                    | 63.7                     | 46.3                    |
| 16:00-17:00 HOUR          | 48.2                    | 61.5                     | 45.4                    |
| 17:00-18:00 HOUR          | 50.0                    | 64.0                     | 47.5                    |
| 18:00-19:00 HOUR          | 53.9                    | 66.2                     | 51.3                    |
| 19:00-20:00 HOUR          | 54.5                    | 66.2                     | 52.6                    |
| 20:00-21:00 HOUR          | 50.5                    | 64.1                     | 48.2                    |
| 21:00-22:00 HOUR          | 51.1                    | 64.8                     | 49.1                    |
| 22:00-23:00 HOUR          | 51.1                    | 63.8                     | 48.7                    |
| 23:00-00:00 HOUR          | 51.7                    | 64.5                     | 49.8                    |
| 00:00-01:00 HOUR          | 51.8                    | 65.5                     | 49.5                    |
| 01:00-02:00 HOUR          | 51.3                    | 65.1                     | 49.0                    |
| 02:00-03:00 HOUR          | 52.0                    | 65.2                     | 50.0                    |
| 03:00-04:00 HOUR          | 51.4                    | 65.2                     | 49.5                    |
| 04:00-05:00 HOUR          | 52.1                    | 66.6                     | 50.2                    |
| 05:00-06:00 HOUR          | 50.9                    | 65.3                     | 48.9                    |
| 06:00-07:00 HOUR          | 51.8                    | 65.3                     | 49.4                    |
| L <sub>Aeq</sub> 24 hours |                         | 51.3                     |                         |
| L <sub>Adn</sub>          |                         | 57.9                     |                         |

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | สำนักงานเขตคลองสาน      |                          |                         |
|                           | MAY 19 - 20, 2025       |                          |                         |
|                           | T25AL270-0013           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 56.3                    | 69.9                     | 53.6                    |
| 08:00-09:00 HOUR          | 56.7                    | 70.5                     | 54.1                    |
| 09:00-10:00 HOUR          | 56.5                    | 70.5                     | 54.2                    |
| 10:00-11:00 HOUR          | 55.7                    | 69.7                     | 52.9                    |
| 11:00-12:00 HOUR          | 55.5                    | 67.7                     | 52.8                    |
| 12:00-13:00 HOUR          | 55.2                    | 69.2                     | 53.0                    |
| 13:00-14:00 HOUR          | 54.2                    | 67.3                     | 51.7                    |
| 14:00-15:00 HOUR          | 56.1                    | 68.6                     | 53.2                    |
| 15:00-16:00 HOUR          | 56.5                    | 70.9                     | 54.5                    |
| 16:00-17:00 HOUR          | 59.7                    | 74.8                     | 56.8                    |
| 17:00-18:00 HOUR          | 54.8                    | 68.1                     | 52.4                    |
| 18:00-19:00 HOUR          | 57.0                    | 69.1                     | 54.2                    |
| 19:00-20:00 HOUR          | 55.8                    | 69.8                     | 53.6                    |
| 20:00-21:00 HOUR          | 58.0                    | 71.2                     | 55.7                    |
| 21:00-22:00 HOUR          | 57.7                    | 69.3                     | 55.4                    |
| 22:00-23:00 HOUR          | 56.2                    | 68.4                     | 53.4                    |
| 23:00-00:00 HOUR          | 54.7                    | 68.4                     | 52.7                    |
| 00:00-01:00 HOUR          | 54.8                    | 69.5                     | 51.9                    |
| 01:00-02:00 HOUR          | 55.3                    | 69.2                     | 53.0                    |
| 02:00-03:00 HOUR          | 55.3                    | 69.5                     | 52.7                    |
| 03:00-04:00 HOUR          | 55.6                    | 68.3                     | 52.9                    |
| 04:00-05:00 HOUR          | 55.2                    | 68.2                     | 53.0                    |
| 05:00-06:00 HOUR          | 54.8                    | 68.8                     | 52.7                    |
| 06:00-07:00 HOUR          | 54.9                    | 68.5                     | 52.3                    |
| L <sub>Aeq</sub> 24 hours | 56.1                    |                          |                         |
| L <sub>Adn</sub>          | 61.9                    |                          |                         |

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | สำนักงานเขตคลองสาน      |                          |                         |
|                           | MAY 20 - 21, 2025       |                          |                         |
|                           | T25AL270-0014           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 55.1                    | 68.6                     | 52.4                    |
| 08:00-09:00 HOUR          | 53.9                    | 67.1                     | 51.3                    |
| 09:00-10:00 HOUR          | 53.9                    | 65.3                     | 51.4                    |
| 10:00-11:00 HOUR          | 54.0                    | 66.9                     | 51.5                    |
| 11:00-12:00 HOUR          | 53.0                    | 65.8                     | 50.1                    |
| 12:00-13:00 HOUR          | 53.1                    | 66.7                     | 50.5                    |
| 13:00-14:00 HOUR          | 53.6                    | 68.0                     | 51.6                    |
| 14:00-15:00 HOUR          | 53.5                    | 68.9                     | 51.6                    |
| 15:00-16:00 HOUR          | 54.3                    | 68.4                     | 52.3                    |
| 16:00-17:00 HOUR          | 52.7                    | 66.6                     | 49.9                    |
| 17:00-18:00 HOUR          | 52.7                    | 65.3                     | 49.8                    |
| 18:00-19:00 HOUR          | 54.4                    | 67.6                     | 51.9                    |
| 19:00-20:00 HOUR          | 59.6                    | 73.1                     | 57.3                    |
| 20:00-21:00 HOUR          | 54.0                    | 66.2                     | 52.0                    |
| 21:00-22:00 HOUR          | 54.9                    | 68.3                     | 52.6                    |
| 22:00-23:00 HOUR          | 55.2                    | 69.8                     | 52.9                    |
| 23:00-00:00 HOUR          | 54.5                    | 68.3                     | 52.1                    |
| 00:00-01:00 HOUR          | 55.9                    | 68.1                     | 53.4                    |
| 01:00-02:00 HOUR          | 57.1                    | 72.0                     | 55.1                    |
| 02:00-03:00 HOUR          | 60.0                    | 73.1                     | 57.3                    |
| 03:00-04:00 HOUR          | 55.2                    | 69.2                     | 52.9                    |
| 04:00-05:00 HOUR          | 54.8                    | 69.3                     | 52.9                    |
| 05:00-06:00 HOUR          | 54.9                    | 66.9                     | 53.0                    |
| 06:00-07:00 HOUR          | 54.8                    | 68.3                     | 52.8                    |
| L <sub>Aeq</sub> 24 hours |                         | 55.3                     |                         |
| L <sub>Adn</sub>          |                         | 62.4                     |                         |

| TIME*                     | RESULT dB(A)            |                          |                         |
|---------------------------|-------------------------|--------------------------|-------------------------|
|                           | สำนักงานเขตคลองสาน      |                          |                         |
|                           | MAY 21 - 22, 2025       |                          |                         |
|                           | T25AL270-0015           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 55.3                    | 67.5                     | 52.4                    |
| 08:00-09:00 HOUR          | 54.7                    | 67.9                     | 52.6                    |
| 09:00-10:00 HOUR          | 55.1                    | 70.0                     | 53.2                    |
| 10:00-11:00 HOUR          | 54.5                    | 69.3                     | 52.3                    |
| 11:00-12:00 HOUR          | 58.2                    | 70.2                     | 55.9                    |
| 12:00-13:00 HOUR          | 55.7                    | 68.8                     | 53.4                    |
| 13:00-14:00 HOUR          | 55.6                    | 68.0                     | 53.2                    |
| 14:00-15:00 HOUR          | 56.4                    | 70.7                     | 53.5                    |
| 15:00-16:00 HOUR          | 57.2                    | 70.9                     | 55.3                    |
| 16:00-17:00 HOUR          | 55.3                    | 68.1                     | 52.6                    |
| 17:00-18:00 HOUR          | 56.4                    | 70.7                     | 54.3                    |
| 18:00-19:00 HOUR          | 55.7                    | 70.7                     | 53.5                    |
| 19:00-20:00 HOUR          | 55.5                    | 68.6                     | 53.4                    |
| 20:00-21:00 HOUR          | 55.3                    | 67.6                     | 52.6                    |
| 21:00-22:00 HOUR          | 54.9                    | 67.0                     | 53.0                    |
| 22:00-23:00 HOUR          | 58.7                    | 73.5                     | 55.8                    |
| 23:00-00:00 HOUR          | 54.8                    | 67.4                     | 52.8                    |
| 00:00-01:00 HOUR          | 54.5                    | 67.0                     | 52.4                    |
| 01:00-02:00 HOUR          | 55.1                    | 69.8                     | 53.2                    |
| 02:00-03:00 HOUR          | 55.4                    | 69.8                     | 52.5                    |
| 03:00-04:00 HOUR          | 55.4                    | 67.8                     | 53.2                    |
| 04:00-05:00 HOUR          | 55.0                    | 68.6                     | 52.2                    |
| 05:00-06:00 HOUR          | 55.5                    | 68.3                     | 53.5                    |
| 06:00-07:00 HOUR          | 53.9                    | 66.9                     | 51.6                    |
| L <sub>Aeq</sub> 24 hours |                         | 55.7                     |                         |
| L <sub>Adn</sub>          |                         | 62.0                     |                         |

REMARK : \*\* ISO 1996-1:2016

\*\* NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)

\*\* NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

\*\* NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, B.E. 2548

\*\* NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ON THE MEASUREMENT METHOD FOR NOISE POLLUTION, 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, B.E. 2553, DATED DECEMBER 20, B.E. 2553



## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย)

**CUSTOMER NAME** :

**ADDRESS** :

**CONTACT INFORMATION** :

**MEASURING SOURCE** :

**MEASURING TYPE** : AMBIENT (NOISE)

**MEASURING DATE** : MAY 17-22, 2025

**MEASURING TIME** :

**MEASURING METHOD** :

**MEASURED BY** :

**RECEIVED DATE** : MAY 17-22, 2025

**ANALYTICAL DATE** : MAY 17-22, 2025

**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U050206

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL270-0016 - T25AL270-0020

| TIME*                     | RESULT dB(A)                             |                          |                         |
|---------------------------|--|--------------------------|-------------------------|
|                           | ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพระยา |                          |                         |
|                           | MAY 17 - 18, 2025                        |                          |                         |
|                           | T25AL270-0016                            |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour                  | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 51.9                                     | 65.1                     | 49.9                    |
| 08:00-09:00 HOUR          | 50.7                                     | 64.7                     | 48.0                    |
| 09:00-10:00 HOUR          | 53.8                                     | 66.5                     | 51.7                    |
| 10:00-11:00 HOUR          | 55.6                                     | 69.1                     | 53.7                    |
| 11:00-12:00 HOUR          | 54.8                                     | 66.5                     | 52.3                    |
| 12:00-13:00 HOUR          | 55.6                                     | 68.0                     | 53.6                    |
| 13:00-14:00 HOUR          | 55.1                                     | 67.8                     | 53.0                    |
| 14:00-15:00 HOUR          | 56.5                                     | 71.3                     | 54.1                    |
| 15:00-16:00 HOUR          | 54.3                                     | 68.9                     | 51.5                    |
| 16:00-17:00 HOUR          | 55.4                                     | 67.6                     | 53.4                    |
| 17:00-18:00 HOUR          | 56.6                                     | 68.6                     | 54.2                    |
| 18:00-19:00 HOUR          | 55.7                                     | 68.0                     | 53.2                    |
| 19:00-20:00 HOUR          | 54.4                                     | 67.6                     | 52.0                    |
| 20:00-21:00 HOUR          | 51.4                                     | 64.1                     | 49.4                    |
| 21:00-22:00 HOUR          | 49.9                                     | 62.6                     | 47.5                    |
| 22:00-23:00 HOUR          | 49.5                                     | 62.6                     | 46.6                    |
| 23:00-00:00 HOUR          | 49.8                                     | 63.2                     | 47.4                    |
| 00:00-01:00 HOUR          | 51.2                                     | 65.6                     | 48.9                    |
| 01:00-02:00 HOUR          | 50.1                                     | 61.9                     | 47.7                    |
| 02:00-03:00 HOUR          | 52.3                                     | 65.0                     | 50.3                    |
| 03:00-04:00 HOUR          | 53.4                                     | 67.9                     | 51.1                    |
| 04:00-05:00 HOUR          | 49.8                                     | 64.4                     | 47.3                    |
| 05:00-06:00 HOUR          | 48.7                                     | 63.8                     | 46.3                    |
| 06:00-07:00 HOUR          | 50.4                                     | 65.8                     | 48.2                    |
| L <sub>Aeq</sub> 24 hours |  | 53.5                     |                         |
| L <sub>Adn</sub>          |  | 58.0                     |                         |



| TIME*                     | RESULT dB(A)                                  |                          |                         |
|---------------------------|---|--------------------------|-------------------------|
|                           | ศูนย์วิจัยสิ่งแวดล้อมศาสตร์สมเด็จพระเจ้าพระยา |                          |                         |
|                           | MAY 18 - 19, 2025                             |                          |                         |
|                           | T25AL270-0017                                 |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour                       | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 53.3  | 67.1                     | 50.4                    |
| 08:00-09:00 HOUR          | 53.8  | 66.2                     | 51.0                    |
| 09:00-10:00 HOUR          | 56.1  | 68.5                     | 54.2                    |
| 10:00-11:00 HOUR          | 52.2  | 67.5                     | 49.7                    |
| 11:00-12:00 HOUR          | 53.2  | 65.1                     | 50.4                    |
| 12:00-13:00 HOUR          | 51.5  | 64.5                     | 49.5                    |
| 13:00-14:00 HOUR          | 51.4  | 64.3                     | 49.3                    |
| 14:00-15:00 HOUR          | 51.0  | 63.2                     | 49.1                    |
| 15:00-16:00 HOUR          | 49.9  | 64.7                     | 47.0                    |
| 16:00-17:00 HOUR          | 49.9  | 63.1                     | 47.8                    |
| 17:00-18:00 HOUR          | 50.4  | 63.9                     | 48.4                    |
| 18:00-19:00 HOUR          | 50.2  | 61.8                     | 48.3                    |
| 19:00-20:00 HOUR          | 49.6  | 62.9                     | 46.8                    |
| 20:00-21:00 HOUR          | 51.2  | 64.4                     | 48.5                    |
| 21:00-22:00 HOUR          | 51.4  | 64.7                     | 48.5                    |
| 22:00-23:00 HOUR          | 50.0  | 63.5                     | 47.1                    |
| 23:00-00:00 HOUR          | 53.4  | 65.7                     | 50.7                    |
| 00:00-01:00 HOUR          | 51.2  | 64.3                     | 48.8                    |
| 01:00-02:00 HOUR          | 53.3  | 66.0                     | 50.7                    |
| 02:00-03:00 HOUR          | 53.7  | 69.1                     | 51.4                    |
| 03:00-04:00 HOUR          | 53.5  | 65.7                     | 50.7                    |
| 04:00-05:00 HOUR          | 54.4  | 67.9                     | 51.6                    |
| 05:00-06:00 HOUR          | 54.7  | 70.2                     | 52.3                    |
| 06:00-07:00 HOUR          | 55.8  | 68.6                     | 53.0                    |
| L <sub>Aeq</sub> 24 hours |   | 52.7                     |                         |
| L <sub>Adn</sub>          |   | 59.8                     |                         |

| TIME*                     | RESULT dB(A)                             |                          |                         |
|---------------------------|--|--------------------------|-------------------------|
|                           | ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพระยา |                          |                         |
|                           | MAY 19 - 20, 2025                        |                          |                         |
|                           | T25AL270-0018                            |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour                  | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 54.7                                     | 68.6                     | 51.8                    |
| 08:00-09:00 HOUR          | 55.2                                     | 68.5                     | 52.6                    |
| 09:00-10:00 HOUR          | 62.6                                     | 77.9                     | 60.1                    |
| 10:00-11:00 HOUR          | 60.0                                     | 71.6                     | 57.3                    |
| 11:00-12:00 HOUR          | 60.7                                     | 72.5                     | 58.6                    |
| 12:00-13:00 HOUR          | 60.6                                     | 76.7                     | 58.2                    |
| 13:00-14:00 HOUR          | 59.7                                     | 75.2                     | 57.2                    |
| 14:00-15:00 HOUR          | 59.7                                     | 75.7                     | 57.2                    |
| 15:00-16:00 HOUR          | 59.7                                     | 74.6                     | 56.8                    |
| 16:00-17:00 HOUR          | 59.6                                     | 73.3                     | 57.6                    |
| 17:00-18:00 HOUR          | 59.6                                     | 73.0                     | 57.7                    |
| 18:00-19:00 HOUR          | 61.3                                     | 74.3                     | 59.1                    |
| 19:00-20:00 HOUR          | 61.8                                     | 73.6                     | 59.1                    |
| 20:00-21:00 HOUR          | 59.9                                     | 74.0                     | 58.0                    |
| 21:00-22:00 HOUR          | 61.9                                     | 74.2                     | 59.3                    |
| 22:00-23:00 HOUR          | 60.8                                     | 74.3                     | 58.0                    |
| 23:00-00:00 HOUR          | 60.3                                     | 74.7                     | 58.0                    |
| 00:00-01:00 HOUR          | 60.1                                     | 73.0                     | 57.2                    |
| 01:00-02:00 HOUR          | 61.0                                     | 75.1                     | 58.3                    |
| 02:00-03:00 HOUR          | 62.7                                     | 75.9                     | 60.7                    |
| 03:00-04:00 HOUR          | 60.1                                     | 72.3                     | 57.5                    |
| 04:00-05:00 HOUR          | 58.8                                     | 72.0                     | 56.0                    |
| 05:00-06:00 HOUR          | 59.0                                     | 72.2                     | 56.9                    |
| 06:00-07:00 HOUR          | 58.3                                     | 71.8                     | 56.0                    |
| L <sub>Aeq</sub> 24 hours |  | 60.3                     |                         |
| L <sub>Adn</sub>          |  | 66.7                     |                         |

| TIME*                     | RESULT dB(A)                             |                          |                         |
|---------------------------|--|--------------------------|-------------------------|
|                           | ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพระยา |                          |                         |
|                           | MAY 20 - 21, 2025                        |                          |                         |
|                           | T25AL270-0019                            |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour                  | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 58.9                                     | 71.5                     | 56.5                    |
| 08:00-09:00 HOUR          | 60.9                                     | 72.8                     | 58.5                    |
| 09:00-10:00 HOUR          | 58.0                                     | 72.2                     | 55.1                    |
| 10:00-11:00 HOUR          | 57.7                                     | 73.4                     | 55.8                    |
| 11:00-12:00 HOUR          | 59.4                                     | 72.6                     | 56.9                    |
| 12:00-13:00 HOUR          | 57.6                                     | 72.7                     | 55.0                    |
| 13:00-14:00 HOUR          | 55.5                                     | 68.9                     | 52.9                    |
| 14:00-15:00 HOUR          | 55.7                                     | 69.4                     | 53.6                    |
| 15:00-16:00 HOUR          | 60.4                                     | 73.9                     | 58.0                    |
| 16:00-17:00 HOUR          | 54.2                                     | 66.7                     | 52.3                    |
| 17:00-18:00 HOUR          | 52.8                                     | 64.4                     | 50.5                    |
| 18:00-19:00 HOUR          | 56.0                                     | 69.0                     | 54.1                    |
| 19:00-20:00 HOUR          | 54.5                                     | 67.2                     | 51.9                    |
| 20:00-21:00 HOUR          | 55.6                                     | 70.4                     | 53.7                    |
| 21:00-22:00 HOUR          | 54.3                                     | 68.0                     | 51.5                    |
| 22:00-23:00 HOUR          | 54.8                                     | 69.4                     | 52.5                    |
| 23:00-00:00 HOUR          | 59.0                                     | 73.6                     | 56.8                    |
| 00:00-01:00 HOUR          | 57.4                                     | 71.5                     | 54.5                    |
| 01:00-02:00 HOUR          | 57.4                                     | 70.8                     | 54.9                    |
| 02:00-03:00 HOUR          | 57.6                                     | 69.7                     | 55.4                    |
| 03:00-04:00 HOUR          | 58.5                                     | 72.3                     | 55.7                    |
| 04:00-05:00 HOUR          | 62.8                                     | 77.4                     | 60.0                    |
| 05:00-06:00 HOUR          | 59.5                                     | 74.3                     | 57.3                    |
| 06:00-07:00 HOUR          | 59.2                                     | 73.4                     | 57.2                    |
| L <sub>Aeq</sub> 24 hours |  | 58.1                     |                         |
| L <sub>Adn</sub>          |  | 65.2                     |                         |

| TIME*                     | RESULT dB(A)                            |                          |                         |
|---------------------------|---|--------------------------|-------------------------|
|                           | ศูนย์วิจัยวิทยาศาสตร์สมเด็จพระเจ้าพระยา |                          |                         |
|                           | MAY 21 - 22, 2025                       |                          |                         |
|                           | T25AL270-0020                           |                          |                         |
|                           | L <sub>Aeq</sub> 1 hour                 | L <sub>Amax</sub> 1 hour | L <sub>A90</sub> 1 hour |
| 07:00-08:00 HOUR          | 58.8                                    | 72.1                     | 56.2                    |
| 08:00-09:00 HOUR          | 58.7                                    | 73.9                     | 56.5                    |
| 09:00-10:00 HOUR          | 58.6                                    | 72.1                     | 56.2                    |
| 10:00-11:00 HOUR          | 59.7                                    | 74.6                     | 56.9                    |
| 11:00-12:00 HOUR          | 60.8                                    | 74.1                     | 57.9                    |
| 12:00-13:00 HOUR          | 60.0                                    | 72.4                     | 57.5                    |
| 13:00-14:00 HOUR          | 59.1                                    | 72.7                     | 56.2                    |
| 14:00-15:00 HOUR          | 59.1                                    | 71.1                     | 56.7                    |
| 15:00-16:00 HOUR          | 59.2                                    | 73.4                     | 56.6                    |
| 16:00-17:00 HOUR          | 59.7                                    | 74.0                     | 56.9                    |
| 17:00-18:00 HOUR          | 58.8                                    | 72.5                     | 56.4                    |
| 18:00-19:00 HOUR          | 57.7                                    | 71.0                     | 54.9                    |
| 19:00-20:00 HOUR          | 61.4                                    | 73.1                     | 59.0                    |
| 20:00-21:00 HOUR          | 58.5                                    | 72.8                     | 56.2                    |
| 21:00-22:00 HOUR          | 59.7                                    | 73.6                     | 56.9                    |
| 22:00-23:00 HOUR          | 58.8                                    | 71.5                     | 56.5                    |
| 23:00-00:00 HOUR          | 59.1                                    | 72.8                     | 57.2                    |
| 00:00-01:00 HOUR          | 59.5                                    | 71.7                     | 56.6                    |
| 01:00-02:00 HOUR          | 60.2                                    | 72.6                     | 58.3                    |
| 02:00-03:00 HOUR          | 61.8                                    | 75.0                     | 59.1                    |
| 03:00-04:00 HOUR          | 58.8                                    | 72.0                     | 56.2                    |
| 04:00-05:00 HOUR          | 59.7                                    | 72.8                     | 57.3                    |
| 05:00-06:00 HOUR          | 59.7                                    | 73.3                     | 57.8                    |
| 06:00-07:00 HOUR          | 58.4                                    | 71.4                     | 55.5                    |
| L <sub>Aeq</sub> 24 hours |   | 59.5                     |                         |
| L <sub>Adn</sub>          |   | 66.0                     |                         |

REMARK : \*\* ISO 1996-1:2016

\*\* NOTIFICATION OF NATION ENVIRONMENT BOARD NO. 15 B.E. 2540 (1997) (MARCH 12, 1977)

\*\* NOTIFICATION OF THE POLLUTION CONTROL DEPARTMENT (B.E. 2540) REGARDING THE CALCULATION METHOD FOR SOUND LEVELS, DATED AUGUST 11, B.E. 2540

\*\* NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION, DATED NOVEMBER 7, B.E. 2548

\*\* NOTIFICATION OF THE DEPARTMENT OF INDUSTRIAL WORKS ON THE MEASUREMENT METHOD FOR NOISE POLLUTION, 24-HOUR AVERAGE NOISE LEVEL, AND MAXIMUM NOISE LEVEL FROM INDUSTRIAL OPERATIONS, B.E. 2553, DATED DECEMBER 20, B.E. 2553



ภาคผนวก 3ค

ใบรับรองผลการตรวจวิเคราะห์ความสิ้นสะอาด

## ANALYSIS REPORT

|                     |  |
|---------------------|--|
| PROJECT NAME        | : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย) |
| CUSTOMER NAME       | :  |
| ADDRESS             | :  |
| CONTACT INFORMATION | :  |
| MEASURING PLACE     | : วิลล่าสาทร   |
| MEASURING TYPE      | : AMBIENT (VIBRATION)  |
| MEASURING DATE      | : MAY 17-22, 2025  |
| MEASURING TIME      | : *  |
| MEASURING EQUIPMENT | :  |
| MEASURED BY         | :  |
| RECEIVED DATE       | : MAY 17-22, 2025  |
| ANALYTICAL DATE     | : MAY 17-22, 2025  |
| ISSUE DATE          | : JUNE 6, 2025   |
| REPORT NO.          | : 2025-U050198   |
| WORK NO.            | : 2024-010434  |
| ANALYSIS NO.        | : T25AL272-0001 - T25AL272-0005  |

| DATE                        | TIME *        | RESULT                |                   |                     |                   |                    |                   |
|-----------------------------|---------------|-----------------------|-------------------|---------------------|-------------------|--------------------|-------------------|
|                             |               | วิลล่าสาทร            |                   |                     |                   |                    |                   |
|                             |               | TRANSVERSE            |                   |                     |                   | VERTICAL           |                   |
|                             |               | X-AXIS (LONGITUDINAL) |                   | Y-AXIS (TRANSVERSE) |                   | Z-AXIS (VERTICAL)  |                   |
|                             |               | VELOCITY<br>(mm/s)    | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s)  | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s) | FREQUENCY<br>(Hz) |
| MAY 17, 2025                |               |                       |                   |                     |                   |                    |                   |
| T25AL272-0001               | 07:48:37 HOUR | 0.252                 | 3.1               | 0.307               | 4.8               | 0.362              | 5.3               |
|                             | 07:53:04 HOUR | 0.394                 | 3.9               | 0.181               | 3.1               | 0.370              | 13.0              |
|                             | 09:11:42 HOUR | 0.370                 | 3.0               | 0.024               | 2.9               | 0.378              | 5.9               |
|                             | 09:26:31 HOUR | 0.378                 | 4.8               | 0.181               | 6.0               | 0.654              | 14.3              |
|                             | 09:50:42 HOUR | 0.205                 | 2.5               | 0.055               | 3.1               | 0.630              | 9.9               |
|                             | 16:52:50 HOUR | 0.008                 | 5.5               | 0.118               | 3.4               | 0.607              | 14.7              |
|                             | 17:22:26 HOUR | 0.079                 | 5.1               | 0.079               | 7.9               | 0.457              | 5.1               |
| MAY 18, 2025                |               |                       |                   |                     |                   |                    |                   |
| T25AL272-0001-T25AL272-0002 | 05:48:50 HOUR | 0.221                 | 2.7               | 0.299               | 3.0               | 0.433              | 6.6               |
|                             | 07:13:34 HOUR | 0.323                 | 6.2               | 0.213               | 4.2               | 0.418              | 7.8               |
|                             | 09:09:52 HOUR | 0.307                 | 3.3               | 0.024               | 3.0               | 0.630              | 12.2              |
|                             | 12:21:18 HOUR | 0.355                 | 4.0               | 0.292               | 3.5               | 0.252              | 14.4              |
|                             | 12:44:14 HOUR | 0.362                 | 4.4               | 0.102               | 3.5               | 0.213              | 12.1              |
|                             | 15:37:12 HOUR | 0.394                 | 5.7               | 0.118               | 4.7               | 0.638              | 10.8              |
|                             | 17:47:48 HOUR | 0.213                 | 3.5               | 0.221               | 3.8               | 0.630              | 9.0               |
|                             | 18:04:09 HOUR | 0.110                 | 2.3               | 0.055               | 4.9               | 0.693              | 14.2              |
| MAY 19, 2025                |               |                       |                   |                     |                   |                    |                   |
| T25AL272-0002-T25AL272-0003 | 06:47:54 HOUR | 0.158                 | 3.1               | 0.016               | 5.9               | 0.717              | 13.3              |
|                             | 10:13:16 HOUR | 0.110                 | 6.0               | 0.252               | 3.8               | 0.433              | 5.3               |
|                             | 16:34:49 HOUR | 0.008                 | 4.6               | 0.323               | 3.0               | 0.236              | 14.8              |
|                             | 17:17:39 HOUR | 0.039                 | 3.4               | 0.276               | 5.6               | 0.709              | 11.2              |
|                             | 19:02:19 HOUR | 0.260                 | 2.6               | 0.331               | 7.5               | 0.173              | 9.0               |
|                             | 19:08:30 HOUR | 0.158                 | 2.1               | 0.307               | 4.6               | 0.701              | 6.2               |
|                             | 19:22:39 HOUR | 0.016                 | 3.1               | 0.323               | 3.8               | 0.244              | 6.6               |
|                             | 21:36:36 HOUR | 0.339                 | 5.1               | 0.299               | 3.4               | 0.701              | 8.3               |
|                             | 22:30:37 HOUR | 0.252                 | 2.6               | 0.016               | 5.1               | 0.528              | 12.6              |



| DATE                        | TIME *        | RESULT                |                   |                     |                   |                    |                   |
|-----------------------------|---------------|-----------------------|-------------------|---------------------|-------------------|--------------------|-------------------|
|                             |               | ผลลัพธ์               |                   |                     |                   |                    |                   |
|                             |               | TRANSVERSE            |                   |                     |                   | VERTICAL           |                   |
|                             |               | X-AXIS (LONGITUDINAL) |                   | Y-AXIS (TRANSVERSE) |                   | Z-AXIS (VERTICAL)  |                   |
|                             |               | VELOCITY<br>(mm/s)    | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s)  | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s) | FREQUENCY<br>(Hz) |
|                             | 22:30:50 HOUR | 0.284                 | 6.6               | 0.323               | 5.1               | 0.110              | 8.6               |
| MAY 20, 2025                |               |                       |                   |                     |                   |                    |                   |
| T25AL272-0003-T25AL272-0004 | 03:02:36 HOUR | 0.110                 | 2.9               | 0.236               | 5.7               | 0.749              | 12.5              |
|                             | 06:41:09 HOUR | 0.370                 | 5.2               | 0.016               | 7.5               | 0.394              | 12.6              |
|                             | 09:54:04 HOUR | 0.362                 | 2.1               | 0.118               | 7.3               | 0.670              | 10.1              |
|                             | 10:35:25 HOUR | 0.236                 | 2.2               | 0.315               | 6.5               | 0.686              | 9.1               |
|                             | 13:14:40 HOUR | 0.032                 | 2.7               | 0.118               | 3.3               | 0.347              | 12.7              |
|                             | 13:46:22 HOUR | 0.378                 | 5.2               | 0.134               | 7.8               | 0.599              | 5.5               |
|                             | 17:47:00 HOUR | 0.110                 | 3.1               | 0.276               | 5.2               | 0.307              | 12.7              |
|                             | 18:07:03 HOUR | 0.315                 | 2.9               | 0.331               | 3.1               | 0.796              | 6.8               |
|                             | 20:29:35 HOUR | 0.331                 | 5.7               | 0.268               | 2.1               | 0.173              | 7.4               |
| MAY 21, 2025                |               |                       |                   |                     |                   |                    |                   |
| T25AL272-0004-T25AL272-0005 | 01:30:42 HOUR | 0.024                 | 4.4               | 0.284               | 7.2               | 0.433              | 12.4              |
|                             | 06:49:36 HOUR | 0.150                 | 4.7               | 0.347               | 4.0               | 0.772              | 11.2              |
|                             | 07:07:37 HOUR | 0.362                 | 2.7               | 0.229               | 3.9               | 0.347              | 11.4              |
|                             | 07:43:16 HOUR | 0.339                 | 2.9               | 0.087               | 4.4               | 0.244              | 6.0               |
|                             | 15:45:50 HOUR | 0.008                 | 6.4               | 0.024               | 4.8               | 0.599              | 12.4              |
| MAY 22, 2025                |               |                       |                   |                     |                   |                    |                   |
| T25AL272-0005               | 02:20:10 HOUR | 0.362                 | 6.1               | 0.213               | 6.5               | 0.095              | 6.4               |
|                             | 06:36:50 HOUR | 0.165                 | 5.6               | 0.315               | 3.5               | 0.315              | 10.7              |
|                             | 06:46:56 HOUR | 0.158                 | 2.1               | 0.165               | 3.8               | 0.638              | 14.3              |

**REMARK :** REFERENCE MEASUREMENT METHOD

- THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 37 (B.E. 2553) REGARDING VIBRATION STANDARDS, FOR PREVENTING IMPACT ON BUILDINGS, DATED APRIL 26, B.E. 2553
- NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION FROM QUARRYING ACTIVITIES, DATED NOVEMBER 7, B.E. 2548
- DIN 45669-1:2010
- DIN 4150-3:1999

## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงเทพมหานคร-ปทุมธานี)

**CUSTOMER NAME** : [REDACTED]

**ADDRESS** : [REDACTED]

**CONTACT INFORMATION** : [REDACTED]

**MEASURING PLACE** : โรงเรียนวัดสุวรรณ

**MEASURING TYPE** : AMBIENT (VIBRATION)

**MEASURING DATE** : MAY 17-22, 2025

**MEASURING TIME** : \*

**MEASURING EQUIPMENT** : [REDACTED]

**MEASURED BY** : [REDACTED]

**RECEIVED DATE** : MAY 17-22, 2025

**ANALYTICAL DATE** : MAY 17-22, 2025

**ISSUE DATE** : JUNE 6, 2025

**REPORT NO.** : 2025-U050199

**WORK NO.** : 2024-010434

**ANALYSIS NO.** : T25AL272-0006 - T25AL272-0010

| DATE  | TIME *        | RESULT                |                   |                     |                   |                    |                   |
|---|---------------|-----------------------|-------------------|---------------------|-------------------|--------------------|-------------------|
|   |               | โรงเรียนวัดสุวรรณ     |                   |                     |                   |                    |                   |
|   |               | TRANSVERSE            |                   |                     |                   | VERTICAL           |                   |
|   |               | X-AXIS (LONGITUDINAL) |                   | Y-AXIS (TRANSVERSE) |                   | Z-AXIS (VERTICAL)  |                   |
|   |               | VELOCITY<br>(mm/s)    | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s)  | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s) | FREQUENCY<br>(Hz) |
| MAY 17, 2025<br>T25AL272-0006               | 08:25:04 HOUR | 0.102                 | 5.1               | 0.165               | 5.6               | 0.323              | 12.4              |
|   | 11:41:56 HOUR | 0.244                 | 5.5               | 0.307               | 7.2               | 0.347              | 6.8               |
|   | 15:17:22 HOUR | 0.347                 | 6.1               | 0.260               | 5.5               | 0.276              | 13.4              |
| MAY 18, 2025<br>T25AL272-0006-T25AL272-0007 | 06:43:50 HOUR | 0.063                 | 4.0               | 0.323               | 5.5               | 0.465              | 7.8               |
|   | 07:31:35 HOUR | 0.370                 | 3.0               | 0.150               | 6.5               | 0.386              | 9.9               |
|   | 07:43:29 HOUR | 0.165                 | 4.0               | 0.221               | 7.5               | 0.473              | 5.5               |
|   | 16:46:31 HOUR | 0.165                 | 4.3               | 0.221               | 5.7               | 0.331              | 10.1              |
| MAY 19, 2025<br>T25AL272-0007-T25AL272-0008 | 08:52:53 HOUR | 0.315                 | 2.5               | 0.134               | 6.8               | 0.095              | 14.2              |
|   | 12:38:10 HOUR | 0.150                 | 5.1               | 0.095               | 3.8               | 0.496              | 13.8              |
|   | 17:04:35 HOUR | 0.347                 | 5.9               | 0.039               | 4.0               | 0.418              | 5.5               |
| MAY 20, 2025<br>T25AL272-0008-T25AL272-0009 | 11:13:36 HOUR | 0.079                 | 4.7               | 0.307               | 3.6               | 0.158              | 6.4               |
|   | 12:00:44 HOUR | 0.024                 | 3.5               | 0.236               | 5.5               | 0.449              | 6.2               |
|   | 17:19:40 HOUR | 0.118                 | 6.1               | 0.173               | 4.8               | 0.418              | 9.5               |
| MAY 21, 2025<br>T25AL272-0009-T25AL272-0010 | 09:17:33 HOUR | 0.236                 | 5.1               | 0.150               | 4.4               | 0.402              | 11.8              |
|   | 10:38:30 HOUR | 0.110                 | 3.9               | 0.032               | 4.9               | 0.426              | 10.0              |
|   | 11:38:03 HOUR | 0.039                 | 4.6               | 0.181               | 6.6               | 0.347              | 14.0              |
|   | 13:52:40 HOUR | 0.386                 | 6.1               | 0.181               | 6.8               | 0.158              | 14.4              |
| MAY 22, 2025<br>T25AL272-0010               | 06:19:40 HOUR | 0.386                 | 6.4               | 0.307               | 3.4               | 0.323              | 5.2               |



**REMARK :**

REFERENCE MEASUREMENT METHOD

- THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 37 (B.E. 2553) REGARDING VIBRATION STANDARDS, FOR PREVENTING IMPACT ON BUILDINGS, DATED APRIL 26, B.E. 2553
- NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION FROM QUARRYING ACTIVITIES, DATED NOVEMBER 7, B.E. 2548
- DIN 45669-1:2010
- DIN 4150-3:1999



### ANALYSIS REPORT

|                     |  |
|---------------------|--|
| PROJECT NAME        | : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงธนบุรี-สำนักงานเขตคลองสาน-ประชาธิปไตย) |
| CUSTOMER NAME       | :  |
| ADDRESS             | :  |
| CONTACT INFORMATION | :  |
| MEASURING PLACE     | : สำนักงานเขตคลองสาน   |
| MEASURING TYPE      | : AMBIENT (VIBRATION)  |
| MEASURING DATE      | : MAY 17-22, 2025  |
| MEASURING TIME      | : *  |
| MEASURING EQUIPMENT | :  |
| MEASURED BY         | :  |
| RECEIVED DATE       | : MAY 17-22, 2025  |
| ANALYTICAL DATE     | : MAY 17-22, 2025  |
| ISSUE DATE          | : JUNE 6, 2025   |
| REPORT NO.          | : 2025-U050200   |
| WORK NO.            | : 2024-010434  |
| ANALYSIS NO.        | : T25AL272-0011 - T25AL272-0015  |

| DATE  | TIME *        | RESULT                |                   |                     |                   |                    |                   |
|---|---------------|-----------------------|-------------------|---------------------|-------------------|--------------------|-------------------|
|   |               | สำนักงานเขตคลองสาน    |                   |                     |                   |                    |                   |
|   |               | TRANSVERSE            |                   |                     |                   | VERTICAL           |                   |
|   |               | X-AXIS (LONGITUDINAL) |                   | Y-AXIS (TRANSVERSE) |                   | Z-AXIS (VERTICAL)  |                   |
|   |               | VELOCITY<br>(mm/s)    | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s)  | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s) | FREQUENCY<br>(Hz) |
| MAY 17, 2025<br>T25AL272-0011               | 07:17:28 HOUR | 0.142                 | 4.9               | 0.252               | 2.2               | 0.496              | 6.4               |
|   | 08:03:02 HOUR | 0.394                 | 2.3               | 0.134               | 5.9               | 0.788              | 13.9              |
|   | 08:13:54 HOUR | 0.347                 | 2.2               | 0.292               | 7.7               | 0.016              | 10.9              |
|   | 08:23:32 HOUR | 0.039                 | 5.6               | 0.276               | 7.9               | 0.410              | 5.2               |
|   | 11:07:42 HOUR | 0.165                 | 4.6               | 0.150               | 3.5               | 0.678              | 14.6              |
|   | 11:28:41 HOUR | 0.047                 | 2.9               | 0.158               | 4.8               | 0.575              | 14.3              |
|   | 12:45:46 HOUR | 0.213                 | 3.4               | 0.071               | 4.4               | 0.607              | 6.6               |
|   | 16:46:50 HOUR | 0.134                 | 4.0               | 0.268               | 2.1               | 0.386              | 5.2               |
|   | 17:21:33 HOUR | 0.213                 | 3.6               | 0.047               | 6.5               | 0.756              | 8.2               |
|   | 17:25:08 HOUR | 0.024                 | 6.4               | 0.331               | 3.3               | 0.670              | 9.5               |
|   | 19:27:41 HOUR | 0.276                 | 4.0               | 0.181               | 7.8               | 0.575              | 13.4              |
|   |               |                       |                   |                     |                   |                    |                   |
| MAY 18, 2025<br>T25AL272-0011-T25AL272-0012 | 00:58:39 HOUR | 0.134                 | 4.4               | 0.221               | 3.6               | 0.670              | 14.4              |
|   | 01:31:16 HOUR | 0.055                 | 3.5               | 0.276               | 5.7               | 0.315              | 8.1               |
|   | 06:16:00 HOUR | 0.378                 | 6.6               | 0.244               | 7.9               | 0.071              | 8.3               |
|   | 07:04:53 HOUR | 0.047                 | 2.7               | 0.016               | 4.7               | 0.725              | 6.2               |
|   | 07:22:50 HOUR | 0.307                 | 4.3               | 0.008               | 2.6               | 0.749              | 13.9              |
|   | 11:48:24 HOUR | 0.008                 | 4.8               | 0.071               | 3.0               | 0.536              | 9.9               |
|   | 12:03:11 HOUR | 0.323                 | 3.3               | 0.071               | 3.5               | 0.197              | 7.3               |
|   | 16:39:23 HOUR | 0.024                 | 4.2               | 0.008               | 4.8               | 0.678              | 6.2               |
|   | 17:18:45 HOUR | 0.339                 | 5.1               | 0.299               | 3.5               | 0.252              | 5.5               |
| MAY 19, 2025<br>T25AL272-0012-T25AL272-0013 | 05:33:48 HOUR | 0.213                 | 3.3               | 0.118               | 7.9               | 0.457              | 14.3              |
|   | 06:43:03 HOUR | 0.118                 | 5.9               | 0.039               | 6.5               | 0.347              | 6.8               |
|   | 07:09:41 HOUR | 0.276                 | 2.7               | 0.252               | 7.9               | 0.709              | 8.8               |
|   | 08:04:44 HOUR | 0.347                 | 6.1               | 0.284               | 6.1               | 0.118              | 11.4              |



ISO 9001  
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Systems  
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Environmental  
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Health and Safety  
Management  
CERTIFIED

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• THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.



| DATE                        | TIME *        | RESULT                |                   |                     |                   |                    |                   |
|-----------------------------|---------------|-----------------------|-------------------|---------------------|-------------------|--------------------|-------------------|
|                             |               | สำนักงานเขตคลองสาน    |                   |                     |                   |                    |                   |
|                             |               | TRANSVERSE            |                   |                     |                   | VERTICAL           |                   |
|                             |               | X-AXIS (LONGITUDINAL) |                   | Y-AXIS (TRANSVERSE) |                   | Z-AXIS (VERTICAL)  |                   |
|                             |               | VELOCITY<br>(mm/s)    | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s)  | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s) | FREQUENCY<br>(Hz) |
|                             | 10:23:28 HOUR | 0.252                 | 5.6               | 0.158               | 2.9               | 0.307              | 5.2               |
|                             | 12:33:54 HOUR | 0.008                 | 5.2               | 0.126               | 4.6               | 0.583              | 8.6               |
|                             | 15:59:51 HOUR | 0.394                 | 3.9               | 0.205               | 3.5               | 0.701              | 6.0               |
|                             | 17:43:17 HOUR | 0.244                 | 4.7               | 0.331               | 5.9               | 0.528              | 14.6              |
|                             | 22:00:17 HOUR | 0.370                 | 2.7               | 0.150               | 6.6               | 0.284              | 9.9               |
| MAY 20, 2025                |               |                       |                   |                     |                   |                    |                   |
| T25AL272-0013-T25AL272-0014 | 00:01:04 HOUR | 0.347                 | 2.2               | 0.008               | 2.6               | 0.496              | 13.4              |
|                             | 03:11:49 HOUR | 0.347                 | 4.0               | 0.158               | 4.7               | 0.693              | 7.2               |
|                             | 06:36:47 HOUR | 0.063                 | 6.5               | 0.126               | 7.7               | 0.402              | 14.8              |
|                             | 07:29:43 HOUR | 0.394                 | 2.1               | 0.047               | 3.3               | 0.347              | 6.1               |
|                             | 08:12:08 HOUR | 0.315                 | 3.3               | 0.323               | 4.0               | 0.071              | 7.4               |
|                             | 11:06:01 HOUR | 0.378                 | 6.4               | 0.331               | 3.5               | 0.788              | 8.2               |
|                             | 11:59:13 HOUR | 0.181                 | 3.1               | 0.299               | 3.6               | 0.402              | 10.3              |
|                             | 14:59:19 HOUR | 0.323                 | 3.8               | 0.181               | 3.8               | 0.370              | 13.1              |
| MAY 21, 2025                |               |                       |                   |                     |                   |                    |                   |
| T25AL272-0014-T25AL272-0015 | 04:07:43 HOUR | 0.197                 | 4.7               | 0.071               | 5.3               | 0.441              | 10.0              |
|                             | 07:37:14 HOUR | 0.252                 | 6.4               | 0.087               | 4.0               | 0.378              | 5.3               |
|                             | 09:20:15 HOUR | 0.229                 | 4.0               | 0.165               | 7.0               | 0.646              | 9.5               |
|                             | 11:17:10 HOUR | 0.189                 | 2.7               | 0.205               | 2.7               | 0.741              | 7.2               |
|                             | 11:50:19 HOUR | 0.307                 | 6.1               | 0.292               | 6.5               | 0.276              | 9.5               |
|                             | 12:17:38 HOUR | 0.284                 | 5.5               | 0.315               | 6.1               | 0.221              | 7.5               |
|                             | 13:14:07 HOUR | 0.205                 | 2.9               | 0.118               | 3.5               | 0.615              | 5.7               |
|                             | 13:50:39 HOUR | 0.213                 | 6.0               | 0.181               | 3.5               | 0.544              | 5.9               |
|                             | 17:40:18 HOUR | 0.102                 | 2.1               | 0.315               | 2.5               | 0.315              | 14.0              |
|                             | 20:27:48 HOUR | 0.394                 | 6.0               | 0.063               | 5.3               | 0.623              | 15.0              |
| MAY 22, 2025                |               |                       |                   |                     |                   |                    |                   |
| T25AL272-0015               | 01:30:44 HOUR | 0.386                 | 5.6               | 0.039               | 6.9               | 0.709              | 5.7               |
|                             | 01:59:41 HOUR | 0.252                 | 6.1               | 0.299               | 2.2               | 0.575              | 11.2              |

**REMARK :** REFERENCE MEASUREMENT METHOD

- THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 37 (B.E. 2553) REGARDING VIBRATION STANDARDS, FOR PREVENTING IMPACT ON BUILDINGS, DATED APRIL 26, B.E. 2553
- NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION FROM QUARRYING ACTIVITIES, DATED NOVEMBER 7, B.E. 2548
- DIN 45669-1:2010
- DIN 4150-3:1999

## ANALYSIS REPORT

**PROJECT NAME** : โครงการระบบขนส่งมวลชนขนาดรองสายสีทอง (สถานีรถไฟฟ้ากรุงเทพมหานคร-สำนักงานเขตคลองสาน-ประชาธิปไตย)  
**CUSTOMER NAME** :   
**ADDRESS** :   
**CONTACT INFORMATION** :   
**MEASURING PLACE** : ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพี่นางเธอฯ  
**MEASURING TYPE** : AMBIENT (VIBRATION)  
**MEASURING DATE** : MAY 17-22, 2025  
**MEASURING TIME** :   
**MEASURING EQUIPMENT** :   
**MEASURED BY** :   
**RECEIVED DATE** : MAY 17-22, 2025  
**ANALYTICAL DATE** : MAY 17-22, 2025  
**ISSUE DATE** : JUNE 6, 2025  
**REPORT NO.** : 2025-U050202  
**WORK NO.** : 2024-010434  
**ANALYSIS NO.** : T25AL272-0016 - T25AL272-0020

| DATE  | TIME *        | RESULT  |                   |                     |                   |                    |                   |
|---|---------------|---|-------------------|---------------------|-------------------|--------------------|-------------------|
|   |               | ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพี่นางเธอฯ |                   |                     |                   |                    |                   |
|   |               | TRANSVERSE                                    |                   |                     |                   | VERTICAL           |                   |
|   |               | X-AXIS (LONGITUDINAL)                         |                   | Y-AXIS (TRANSVERSE) |                   | Z-AXIS (VERTICAL)  |                   |
|   |               | VELOCITY<br>(mm/s)                            | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s)  | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s) | FREQUENCY<br>(Hz) |
| MAY 17, 2025<br>T25AL272-0016               | 09:00:40 HOUR | 0.386   | 5.5               | 0.299               | 4.9               | 0.047              | 8.1               |
|   | 10:59:09 HOUR | 0.386   | 2.9               | 0.189               | 2.7               | 0.504              | 12.5              |
|   | 12:22:28 HOUR | 0.071   | 3.9               | 0.165               | 3.0               | 0.504              | 10.9              |
|   | 17:10:35 HOUR | 0.331   | 3.8               | 0.039               | 7.5               | 0.181              | 11.8              |
|   |               |   |                   |                     |                   |                    |                   |
| MAY 18, 2025<br>T25AL272-0016-T25AL272-0017 | 00:50:08 HOUR | 0.102   | 5.1               | 0.189               | 4.3               | 0.465              | 13.9              |
|   | 05:29:05 HOUR | 0.024   | 2.5               | 0.063               | 4.0               | 0.402              | 8.2               |
|   | 07:18:16 HOUR | 0.047   | 6.8               | 0.102               | 2.6               | 0.473              | 14.4              |
|   | 08:33:40 HOUR | 0.244   | 6.1               | 0.087               | 4.6               | 0.544              | 6.5               |
|   | 15:46:40 HOUR | 0.252   | 4.9               | 0.197               | 6.1               | 0.323              | 5.1               |
| MAY 19, 2025<br>T25AL272-0017-T25AL272-0018 | 05:31:51 HOUR | 0.386   | 2.1               | 0.118               | 3.9               | 0.386              | 14.6              |
|   | 06:03:08 HOUR | 0.165   | 3.5               | 0.016               | 4.9               | 0.386              | 12.2              |
|   | 11:48:38 HOUR | 0.165   | 4.9               | 0.189               | 6.1               | 0.567              | 12.9              |
|   | 13:36:34 HOUR | 0.292   | 4.6               | 0.016               | 6.1               | 0.512              | 8.6               |
|   | 13:59:58 HOUR | 0.339   | 2.9               | 0.339               | 6.5               | 0.047              | 5.3               |
|   | 14:21:09 HOUR | 0.213   | 4.0               | 0.142               | 7.7               | 0.347              | 5.9               |
|   | 14:30:45 HOUR | 0.126   | 4.8               | 0.229               | 3.9               | 0.536              | 13.1              |
|   | 17:19:55 HOUR | 0.323   | 4.3               | 0.165               | 4.7               | 0.315              | 7.9               |
|   | 17:46:31 HOUR | 0.008   | 6.5               | 0.276               | 6.2               | 0.591              | 13.8              |
|   | 20:33:42 HOUR | 0.087   | 3.3               | 0.039               | 5.1               | 0.599              | 14.2              |
| MAY 20, 2025<br>T25AL272-0018-T25AL272-0019 | 03:58:08 HOUR | 0.252   | 6.1               | 0.016               | 6.8               | 0.378              | 7.2               |
|   | 08:10:17 HOUR | 0.047   | 2.5               | 0.189               | 4.0               | 0.567              | 12.2              |
|   | 08:56:54 HOUR | 0.236   | 4.7               | 0.260               | 5.5               | 0.394              | 13.3              |
|   | 14:33:53 HOUR | 0.331   | 3.3               | 0.032               | 5.1               | 0.567              | 14.7              |



| DATE  | TIME *        | RESULT                                   |                   |                     |                   |                    |                   |
|---|---------------|--|-------------------|---------------------|-------------------|--------------------|-------------------|
|   |               | ศูนย์วิจัยจิตเวชศาสตร์สมเด็จพระเจ้าพระยา |                   |                     |                   |                    |                   |
|   |               | TRANSVERSE                               |                   |                     |                   | VERTICAL           |                   |
|   |               | X-AXIS (LONGITUDINAL)                    |                   | Y-AXIS (TRANSVERSE) |                   | Z-AXIS (VERTICAL)  |                   |
|   |               | VELOCITY<br>(mm/s)                       | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s)  | FREQUENCY<br>(Hz) | VELOCITY<br>(mm/s) | FREQUENCY<br>(Hz) |
|   | 14:59:27 HOUR | 0.347                                    | 3.3               | 0.079               | 3.5               | 0.362              | 11.3              |
|   | 18:48:43 HOUR | 0.370                                    | 5.9               | 0.299               | 6.5               | 0.504              | 14.3              |
|   | 19:26:24 HOUR | 0.331                                    | 6.0               | 0.165               | 4.4               | 0.142              | 10.7              |
| MAY 21, 2025<br>T25AL272-0019-T25AL272-0020 | 08:05:07 HOUR | 0.197                                    | 3.9               | 0.118               | 5.3               | 0.481              | 10.3              |
|   | 09:58:43 HOUR | 0.307                                    | 3.0               | 0.339               | 5.9               | 0.110              | 13.4              |
|   | 18:50:43 HOUR | 0.205                                    | 4.3               | 0.197               | 7.9               | 0.433              | 10.9              |
|   | 18:55:33 HOUR | 0.315                                    | 3.0               | 0.197               | 2.3               | 0.244              | 9.9               |
|   | 21:55:54 HOUR | 0.244                                    | 6.4               | 0.307               | 4.6               | 0.441              | 13.7              |
|   | 22:02:57 HOUR | 0.158                                    | 4.9               | 0.268               | 2.6               | 0.441              | 11.4              |
| MAY 22, 2025<br>T25AL272-0020               | 05:25:39 HOUR | 0.323                                    | 6.1               | 0.268               | 6.1               | 0.110              | 6.6               |
|   | 06:55:30 HOUR | 0.323                                    | 4.0               | 0.173               | 3.3               | 0.024              | 9.8               |

**REMARK :** REFERENCE MEASUREMENT METHOD

- THE NATIONAL ENVIRONMENT COMMITTEE ANNOUNCEMENT NO. 37 (B.E. 2553) REGARDING VIBRATION STANDARDS, FOR PREVENTING IMPACT ON BUILDINGS, DATED APRIL 26, B.E. 2553
- NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT ON THE ESTABLISHMENT OF STANDARDS FOR CONTROLLING NOISE AND VIBRATION FROM QUARRYING ACTIVITIES, DATED NOVEMBER 7, B.E. 2548
- DIN 45669-1:2010
- DIN 4150-3:1999