

| Información inicial             |          |
|---------------------------------|----------|
| Tipo de pavimento               | Flexible |
| Ancho calzada                   | 11,4 m   |
| Longitud de la vía              | 2000 m   |
| Longitud del pavimento flexible | 1665     |
| Error admisible (e%)            | 500%     |
| σ desviación estandar           | 10       |
| Abscisa inicial                 | 0        |
| Abscisa final                   | 1665     |

| Datos Obtenidos                      |       |
|--------------------------------------|-------|
| Longitud de la unidad de muestreo    | 31,5  |
| Número total de unidades de muestreo | 52,86 |
| Unidades de muestreo a evaluar       | 12    |
| Intervalo de muestreo ( i )          | 4     |
| Unidad de muestreo inicial           | 1     |

| Determinación del PCI |  |
|-----------------------|--|
| PCI <sub>R</sub>      |  |
| PCI                   |  |
| N                     |  |
| A                     |  |
| PCI <sub>s</sub>      |  |

| Longitudes de unidades de muestreo asfálticas |                                   |
|-----------------------------------------------|-----------------------------------|
| Ancho de la calzada                           | Longitud de la unidad de muestreo |
| 5 m                                           | 46 m                              |
| 5,5 m                                         | 41,8 m                            |
| 6 m                                           | 38,3 m                            |
| 6,5 m                                         | 35,4 m                            |
| 7,3                                           | 31,5 m                            |

|                                     |      |
|-------------------------------------|------|
| Ancho de la calzada m               | 11,4 |
| Longitud del pavimento flexible m   | 1665 |
| Longitud de la unidad de muestreo m | 31,5 |

| Unidad | Abscisa inicial ( m ) | Abscisa final ( m ) | PCI                |
|--------|-----------------------|---------------------|--------------------|
| 1      | 0                     | 31,5                | <a href="#">48</a> |
| 2      | 133,6                 | 165,1               | <a href="#">78</a> |
| 3      | 267,2                 | 298,7               | <a href="#">40</a> |
| 4      | 400,8                 | 432,3               | <a href="#">35</a> |
| 5      | 534,4                 | 565,9               | <a href="#">47</a> |
| 6      | 668,0                 | 699,5               | <a href="#">37</a> |
| 7      | 801,6                 | 833,1               | <a href="#">70</a> |
| 8      | 935,2                 | 966,7               | <a href="#">75</a> |
| 9      | 1068,8                | 1100,3              | <a href="#">44</a> |
| 10     | 1202,3                | 1233,8              | <a href="#">49</a> |
| 11     | 1335,9                | 1367,4              | <a href="#">72</a> |
| 12     | 1469,5                | 1501,0              | <a href="#">15</a> |
| 13     | 1603,1                | 1635                | <a href="#">58</a> |

$$n = \frac{N \times \sigma^2}{e^2 \times (N - 1) + \sigma^2}$$

$$i = \frac{N}{n}$$

Ecuación 6.16

$$PCI = \frac{((N - A) \times PCI_R) + (A \times PCI_s)}{N}$$

Donde:  
 PCI<sub>s</sub>: PCI de la sección del pavimento.  
 PCI<sub>R</sub>: PCI promedio de las unidades de muestreo aleatoria o representativas.  
 PCI: promedio de las unidades de muestreo en la sección.  
 N: Número total de unidades de muestreo en la sección.  
 A: Número adicional de unidades de muestreo inspeccionadas.



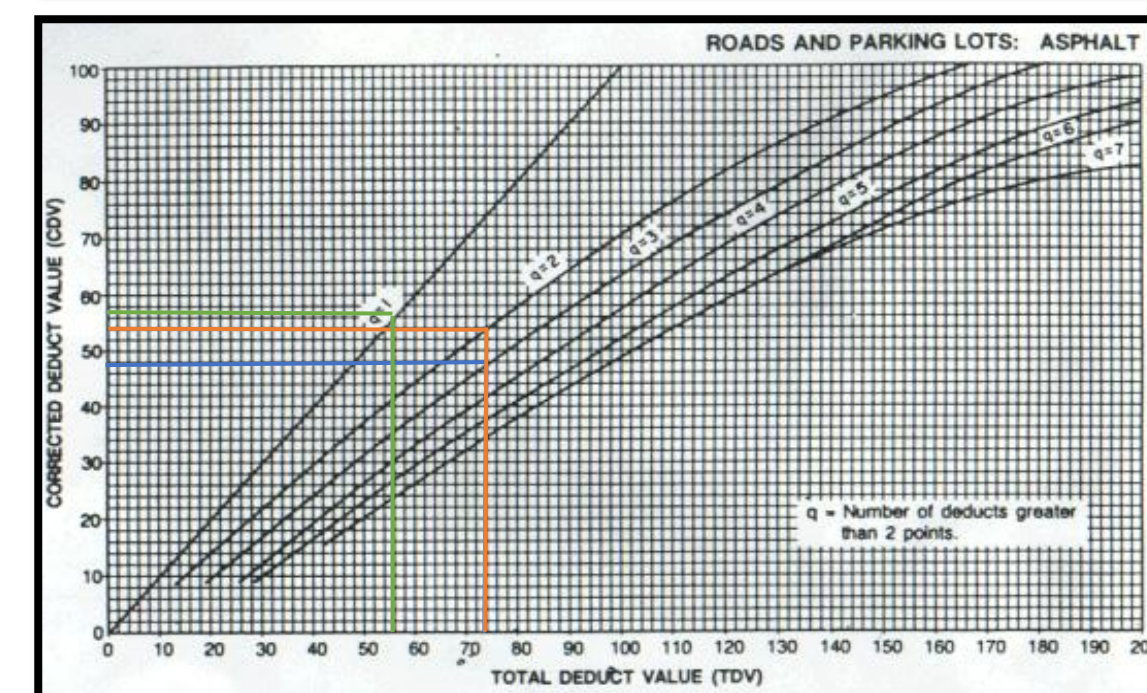
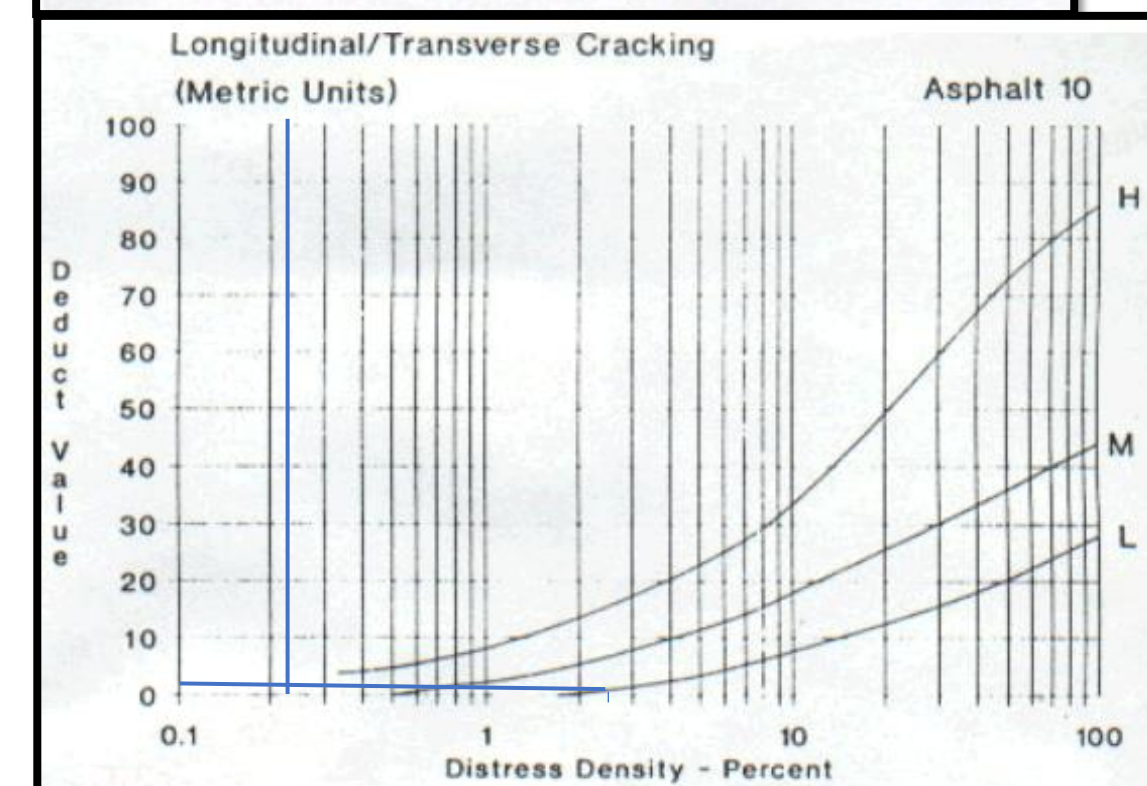
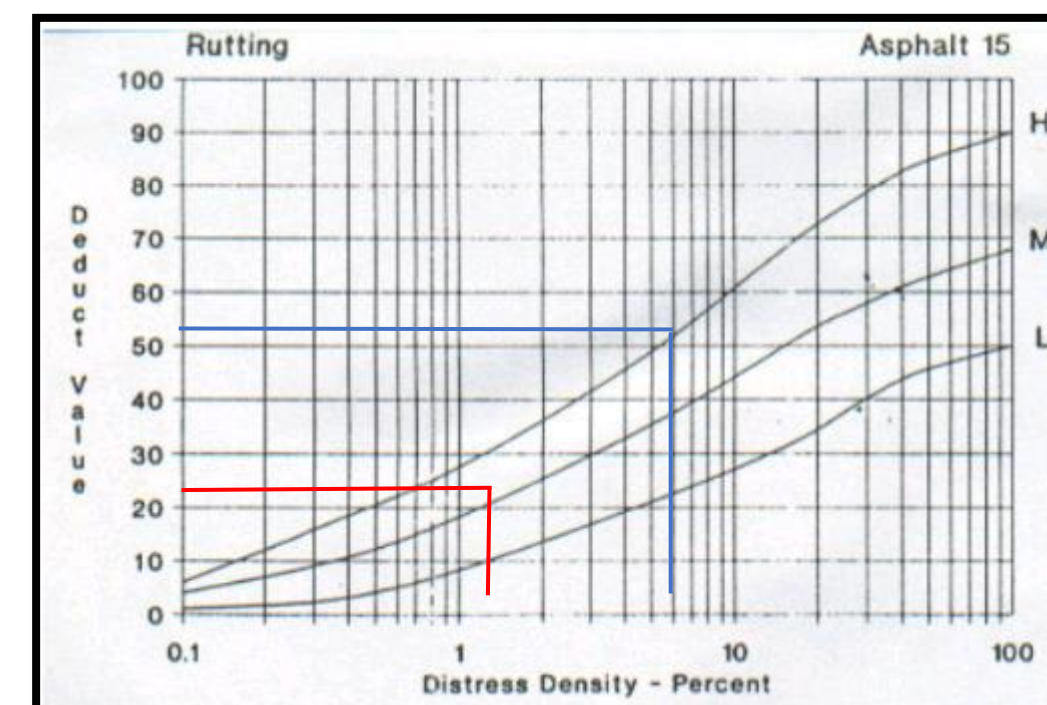
| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |                 |                    | ESQUEMA |
|----------------------------------------------------|-----------------|--------------------|---------|
| ZONA                                               | ABSCISA INICIAL | UNIDAD DE MUESTREO |         |
| Villavicencio/Meta                                 | K0+000          | 1                  |         |
| CODIGO VIA                                         | ABSCISA FINAL   | AREA MUESTREO (m2) |         |
|                                                    | K0+31,5         | 359,1              |         |
| INSPECCIONADA POR                                  |                 | FECHA              |         |
| Alexander parrado - Anderson nieto                 |                 | 20/7/2020          |         |

| No. | Daño                          | No. | Daño                          |
|-----|-------------------------------|-----|-------------------------------|
| 1   | Piel de cocodrilo.            | 11  | Parcheo.                      |
| 2   | Exudacion.                    | 12  | Pulimento de agregados.       |
| 3   | Agrietamiento en bloque.      | 13  | Huecos.                       |
| 4   | Abultamientos y hundimientos. | 14  | Cruce de via ferrea.          |
| 5   | Corrugacion.                  | 15  | Ahuellamiento.                |
| 6   | Depresion.                    | 16  | Desplazamiento.               |
| 7   | Grieta de borde.              | 17  | Grieta parabolica (slippage). |
| 8   | Grieta de reflexion de junta. | 18  | Hinchamiento.                 |
| 9   | Desnivel carril / Berma.      | 19  | Desprendimiento de agredados. |
| 10  | Grietas long y transversal.   |     |                               |

| Foto              | Daño | Severidad | Cantidades parciales |           |           | Total | (%)    | deducido |
|-------------------|------|-----------|----------------------|-----------|-----------|-------|--------|----------|
|                   |      |           | Longitud (m)         | Ancho (m) | Area (m2) |       |        |          |
| <a href="#">1</a> | 15   | M         | 4,3                  | 1,1       | 4,73      | 21,48 | 1,317% | 20       |
| <a href="#">2</a> | 15   | H         | 3,8                  | 1,2       | 4,56      |       |        |          |
| <a href="#">3</a> | 15   | H         | 9,4                  | 1,8       | 16,92     |       |        |          |
| <a href="#">4</a> | 10   | L         | 3                    | 3         | 9         | 9,27  | 2,58%  | 2        |
| <a href="#">5</a> | 10   | L         | 0,9                  | 0,3       | 0,27      |       |        |          |

|                             |         |   |
|-----------------------------|---------|---|
| Numero maximo admisible (m) | 5,40816 | 6 |
|-----------------------------|---------|---|

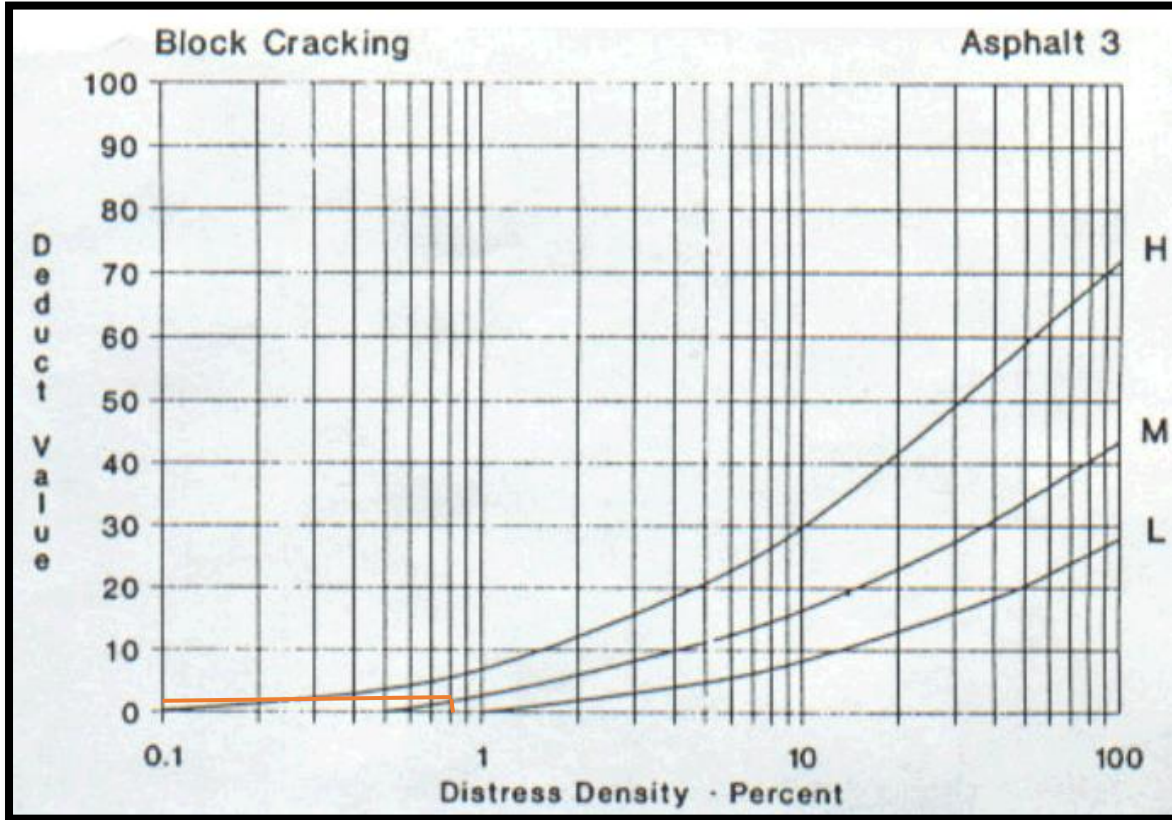
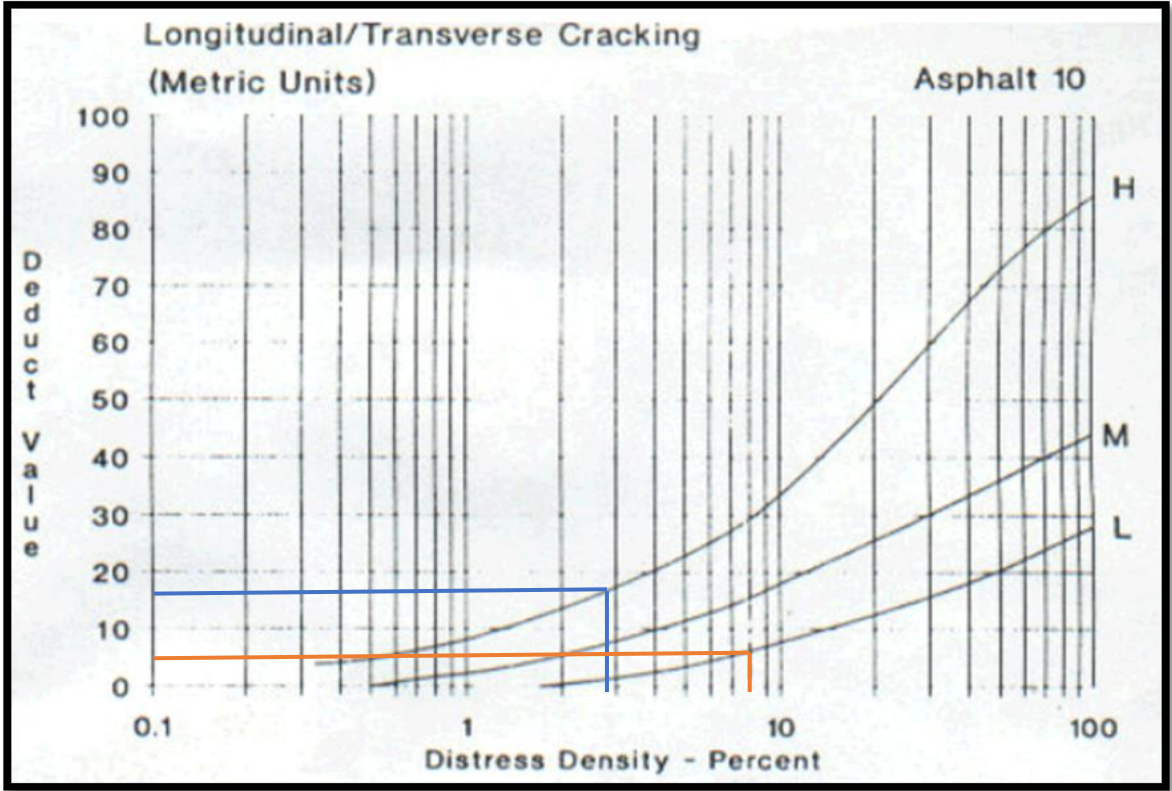
| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |         |   |       |   |     |
|---------------------------------------------------------------|-------------------|---------|---|-------|---|-----|
| No.                                                           | Valores Deducidos |         |   | Total | q | CVD |
| 1                                                             | 52                | 20      | 2 | 74    | 3 | 52  |
| 2                                                             | 52                | 20      | 2 | 74    | 2 | 51  |
| 3                                                             | 52                | 2       | 2 | 56    | 1 | 57  |
| MAX CVD                                                       |                   | 52      |   |       |   |     |
| PCI                                                           |                   | 48      |   |       |   |     |
| CLASIFICACION                                                 |                   | REGULAR |   |       |   |     |





| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |  |                             |  |                    |  | ESQUEMA                                                                             |  |  |
|----------------------------------------------------|--|-----------------------------|--|--------------------|--|-------------------------------------------------------------------------------------|--|--|
| ZONA                                               |  | ABSCISA INICIAL             |  | UNIDAD DE MUESTREO |  |  |  |  |
| Villavicencio/Meta                                 |  | K0+133,6                    |  | 2                  |  |                                                                                     |  |  |
| CODIGO VIA                                         |  | ABSCISA FINAL               |  | AREA MUESTREO (m2) |  |                                                                                     |  |  |
|                                                    |  | K0+165,1                    |  | 359,1              |  |                                                                                     |  |  |
| INSPECCIONADA POR                                  |  |                             |  | FECHA              |  |                                                                                     |  |  |
| Alexander Parrado - Anderson Nieto                 |  |                             |  | 16/7/2020          |  |                                                                                     |  |  |
| No.                                                |  | Daño                        |  | No.                |  | Daño                                                                                |  |  |
| 1                                                  |  | Piel de cocodrilo.          |  | 11                 |  | Parcheo.                                                                            |  |  |
| 2                                                  |  | Exudacion.                  |  | 12                 |  | Pulimento de agregados.                                                             |  |  |
| 3                                                  |  | Agrietamiento en bloque.    |  | 13                 |  | Huecos.                                                                             |  |  |
| 4                                                  |  | Abultamientos y hundimi     |  | 14                 |  | Cruce de via ferrea.                                                                |  |  |
| 5                                                  |  | Corrugacion.                |  | 15                 |  | Ahuellamiento.                                                                      |  |  |
| 6                                                  |  | Depresion.                  |  | 16                 |  | Desplazamiento.                                                                     |  |  |
| 7                                                  |  | Grieta de borde.            |  | 17                 |  | Grieta parabolica (slippag                                                          |  |  |
| 8                                                  |  | Grieta de reflexion de jun  |  | 18                 |  | Hinchamiento.                                                                       |  |  |
| 9                                                  |  | Desnivel carril / Berma.    |  | 19                 |  | Desprendimiento de agre                                                             |  |  |
| 10                                                 |  | Grietas long y transversal. |  |                    |  |                                                                                     |  |  |

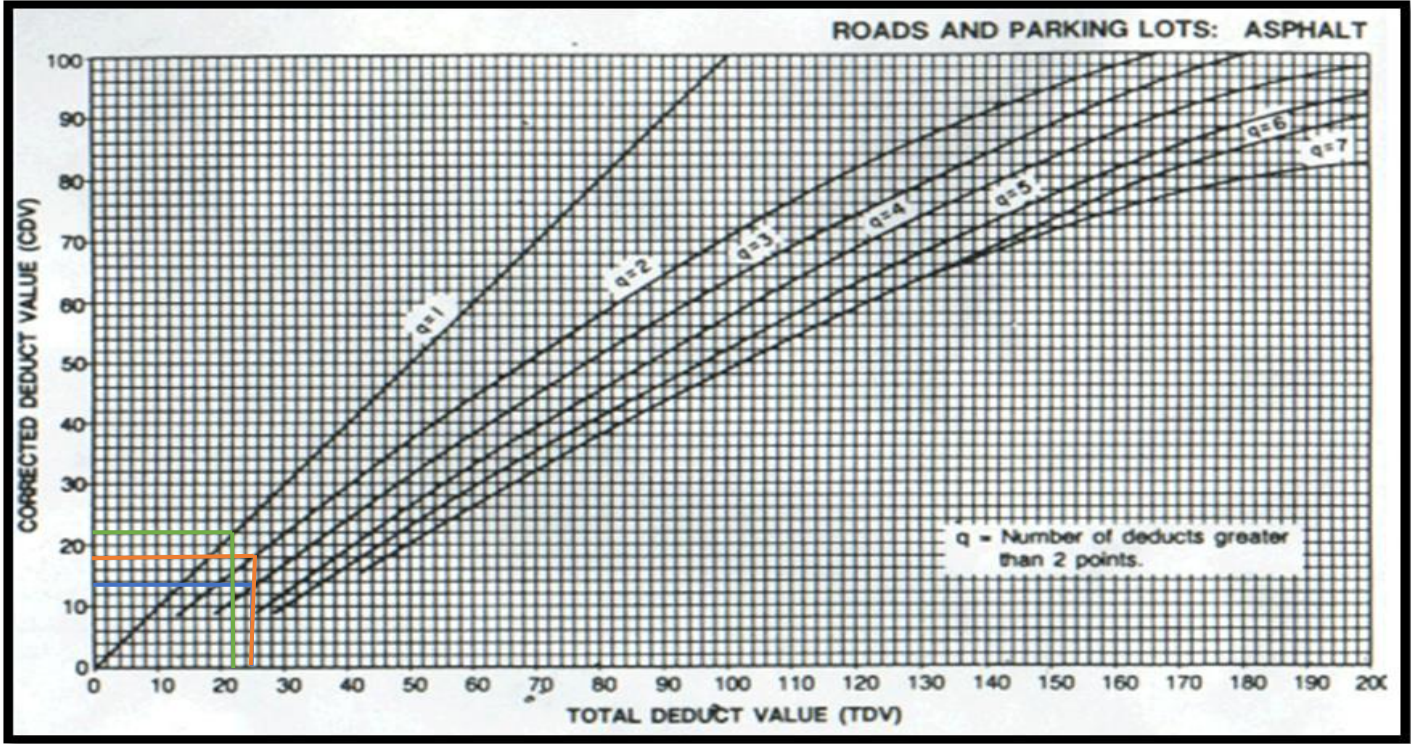
| Foto               | Daño | Severidad | Cantidades parciales |           |           | Total | Densidad (%) | Valor deducido |
|--------------------|------|-----------|----------------------|-----------|-----------|-------|--------------|----------------|
|                    |      |           | Longitud (m)         | Ancho (m) | Area (m2) |       |              |                |
| <a href="#">6</a>  | 10   | H         | 1,8                  | 1         | 1,8       | 10,6  | 2,952%       | 18             |
| <a href="#">7</a>  | 10   | H         | 4                    | 2,2       | 8,8       |       |              |                |
| <a href="#">8</a>  | 3    | m         | 2,3                  | 1,3       | 2,99      | 2,99  | 0,833%       | 2              |
| <a href="#">9</a>  | 10   | L         | 5,5                  | 3,9       | 21,45     | 25,53 | 7,109%       | 5              |
| <a href="#">10</a> | 10   | L         | 2,4                  | 1,7       | 4,08      |       |              |                |



| Numero maximo admisible (m) | 8,53061 | 9,00000 |
|-----------------------------|---------|---------|
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |   |   |       |   |     |
|---------------------------------------------------------------|-------------------|---|---|-------|---|-----|
| No.                                                           | Valores Deducidos |   |   | Total | q | CVD |
| 1                                                             | 18                | 5 | 2 | 25    | 3 | 14  |
| 2                                                             | 18                | 5 | 2 | 25    | 2 | 18  |
| 3                                                             | 18                | 2 | 2 | 22    | 1 | 22  |

|               |           |
|---------------|-----------|
| MAX CVD       | 22        |
| PCI           | 78        |
| CLASIFICACION | MUY BUENO |



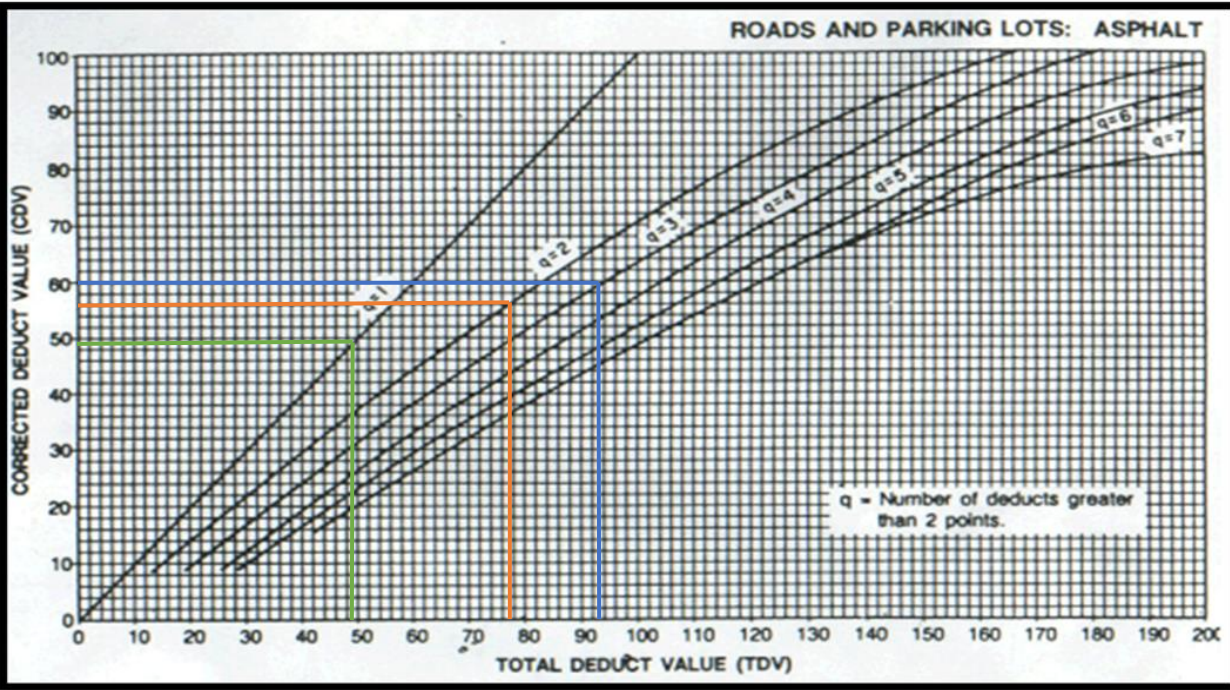
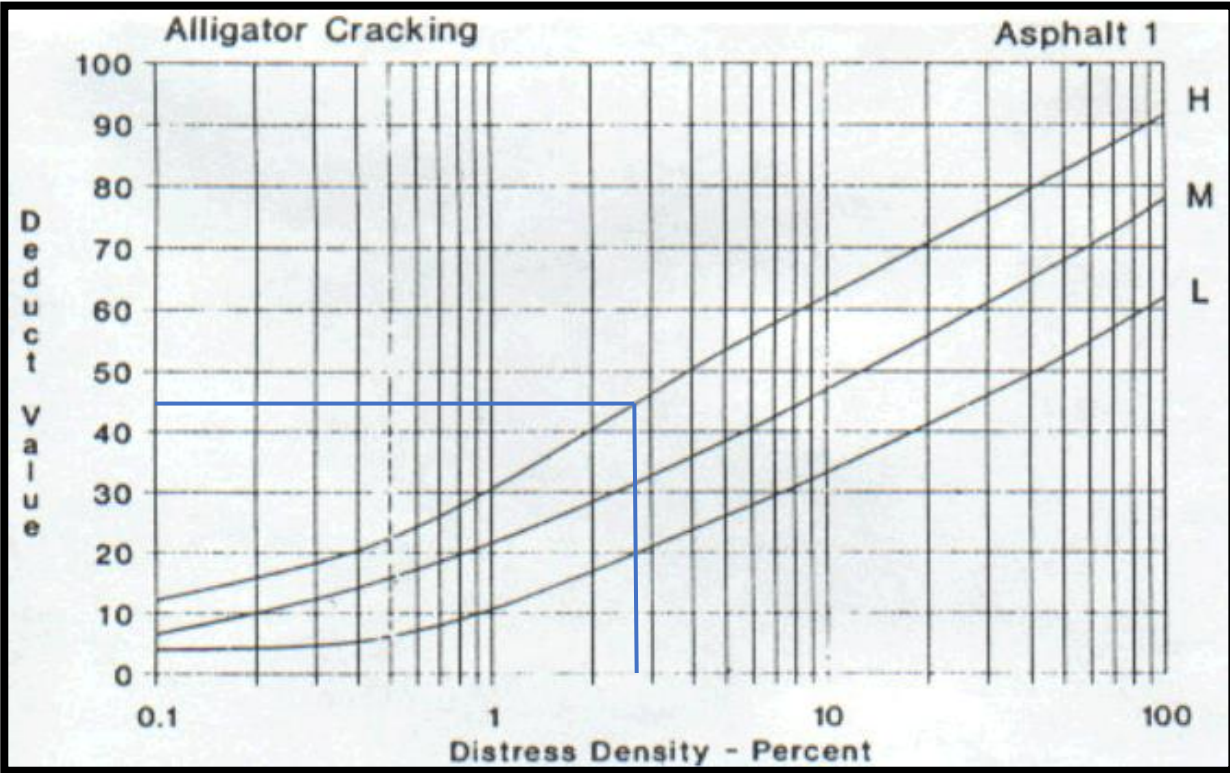
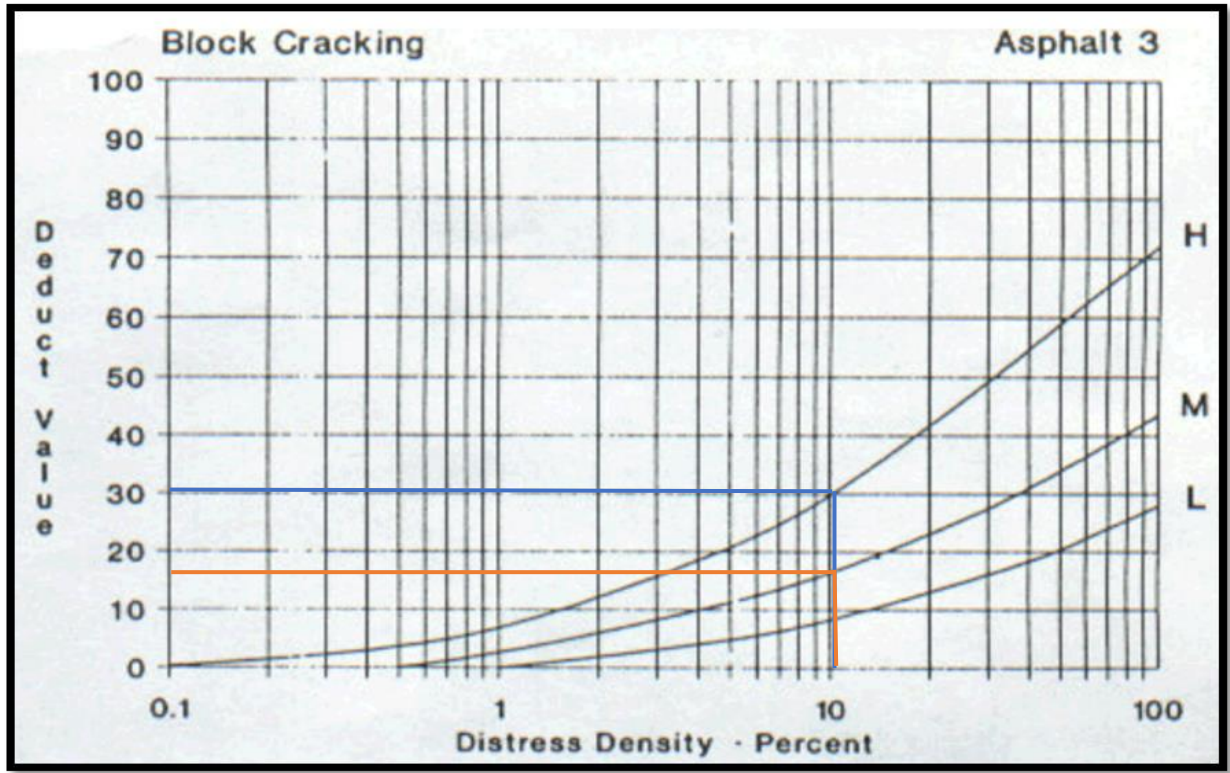


| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |      |                             |                      |                    |           | ESQUEMA                                                                             |              |                                                                                     |  |
|----------------------------------------------------|------|-----------------------------|----------------------|--------------------|-----------|-------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|--|
| ZONA                                               |      | ABSCISA INICIAL             |                      | UNIDAD DE MUESTREO |           |  |              |                                                                                     |  |
| Villavicencio/Meta                                 |      | K0+267,2                    |                      | 3                  |           |                                                                                     |              |                                                                                     |  |
| CODIGO VIA                                         |      | ABSCISA FINAL               |                      | AREA MUESTREO (m2) |           |                                                                                     |              |                                                                                     |  |
|                                                    |      | K0+298,7                    |                      | 359,1              |           |                                                                                     |              |                                                                                     |  |
| INSPECCIONADA POR                                  |      |                             |                      | FECHA              |           |                                                                                     |              |                                                                                     |  |
| Alexander Parrado - Anderson Nieto                 |      |                             |                      | 16/7/2020          |           |                                                                                     |              |                                                                                     |  |
| No.                                                |      | Daño                        |                      | No.                |           | Daño                                                                                |              |  |  |
| 1                                                  |      | Piel de cocodrilo.          |                      | 11                 |           | Parcheo.                                                                            |              |                                                                                     |  |
| 2                                                  |      | Exudacion.                  |                      | 12                 |           | Pulimento de agregados.                                                             |              |                                                                                     |  |
| 3                                                  |      | Agrietamiento en bloque.    |                      | 13                 |           | Huecos.                                                                             |              |                                                                                     |  |
| 4                                                  |      | Abultamientos y hundimi     |                      | 14                 |           | Cruce de via ferrea.                                                                |              |                                                                                     |  |
| 5                                                  |      | Corrugacion.                |                      | 15                 |           | Ahuellamiento.                                                                      |              |                                                                                     |  |
| 6                                                  |      | Depresion.                  |                      | 16                 |           | Desplazamiento.                                                                     |              |                                                                                     |  |
| 7                                                  |      | Grieta de borde.            |                      | 17                 |           | Grieta parabolica (slippag                                                          |              |                                                                                     |  |
| 8                                                  |      | Grieta de reflexion de jun  |                      | 18                 |           | Hinchamiento.                                                                       |              |                                                                                     |  |
| 9                                                  |      | Desnivel carril / Berma.    |                      | 19                 |           | Desprendimiento de agre                                                             |              |                                                                                     |  |
| 10                                                 |      | Grietas long y transversal. |                      |                    |           |                                                                                     |              |                                                                                     |  |
| Foto                                               | Daño | Severidad                   | Cantidades parciales |                    |           | Total                                                                               | Densidad (%) | Valor deducido                                                                      |  |
|                                                    |      |                             | Longitud (m)         | Ancho (m)          | Area (m2) |                                                                                     |              |                                                                                     |  |
| <a href="#">11</a>                                 | 3    | H                           | 7,2                  | 2,4                | 17,28     | 36,42                                                                               | 10,142%      | 30                                                                                  |  |
| <a href="#">12</a>                                 | 3    | M                           | 5,1                  | 3,5                | 17,85     | 37,38                                                                               | 10,409%      | 18                                                                                  |  |
| <a href="#">13</a>                                 | 3    | M                           | 6,3                  | 3,1                | 19,53     |                                                                                     |              |                                                                                     |  |
| <a href="#">14</a>                                 | 3    | H                           | 5,8                  | 3,3                | 19,14     |                                                                                     |              |                                                                                     |  |
| <a href="#">15</a>                                 | 1    | H                           | 4,5                  | 2,2                | 9,9       | 9,9                                                                                 | 2,757%       | 45                                                                                  |  |

|                             |         |         |
|-----------------------------|---------|---------|
| Numero maximo admisible (m) | 6,05102 | 7,00000 |
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |    |    |       |   |     |
|---------------------------------------------------------------|-------------------|----|----|-------|---|-----|
| No.                                                           | Valores Deducidos |    |    | Total | q | CVD |
| 1                                                             | 45                | 30 | 18 | 93    | 3 | 60  |
| 2                                                             | 45                | 30 | 2  | 77    | 2 | 56  |
| 3                                                             | 45                | 2  | 2  | 49    | 1 | 49  |

|               |      |
|---------------|------|
| MAX CVD       | 60   |
| PCI           | 40   |
| CLASIFICACION | MALO |





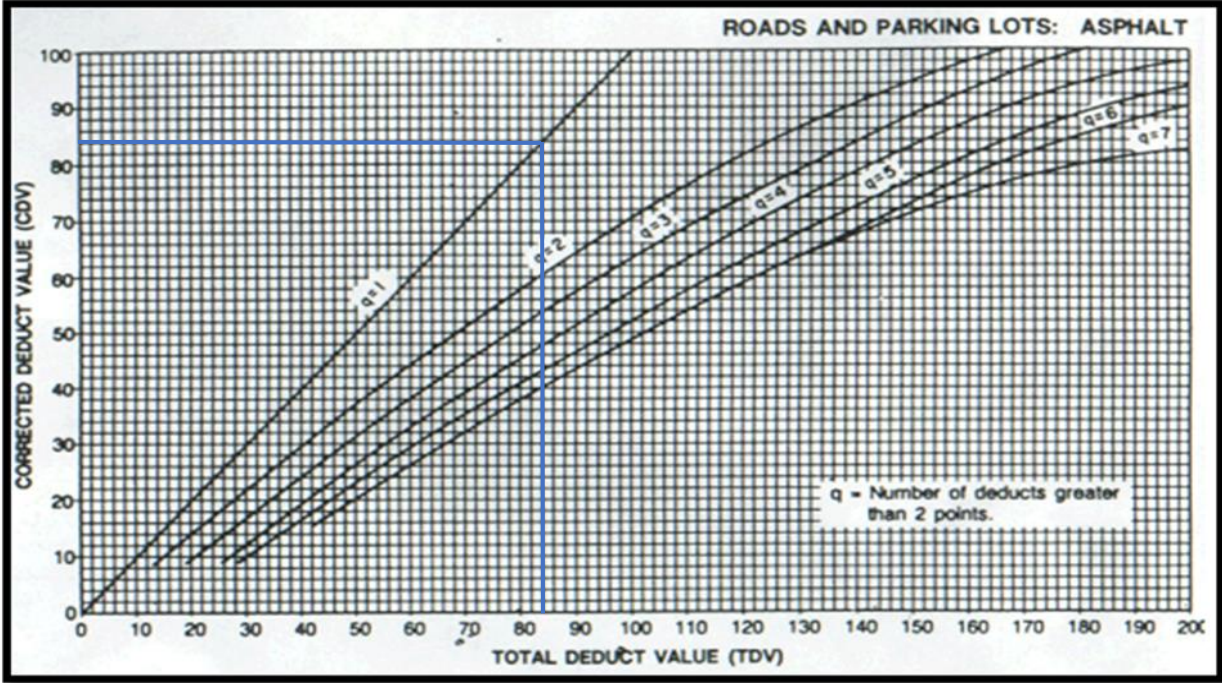
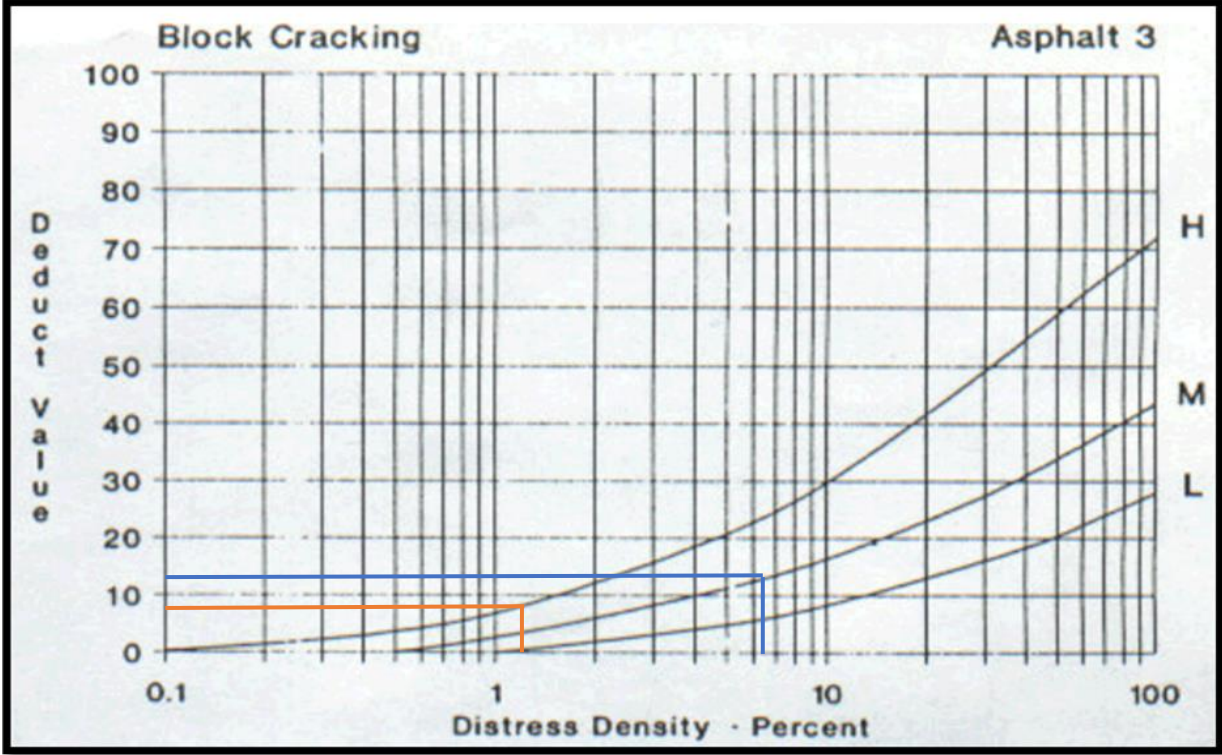
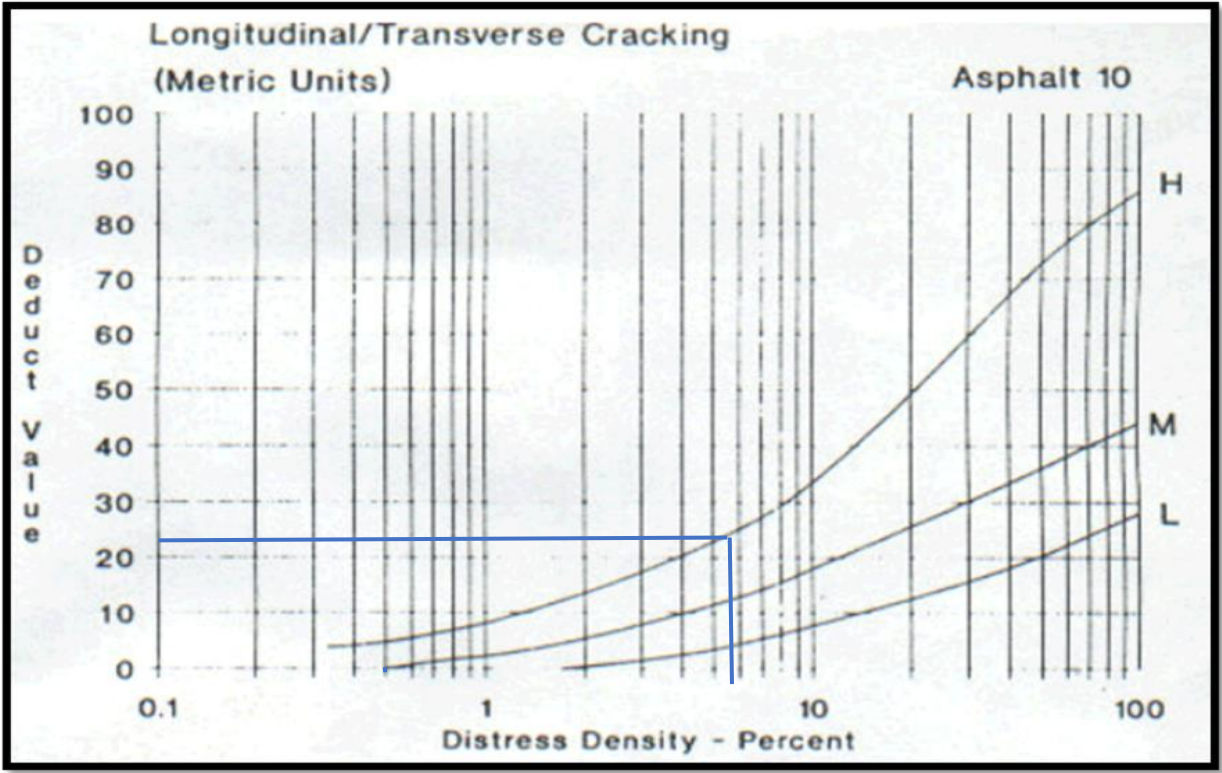
| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |                             |                 |     |                            |  |  | ESQUEMA                                                                             |  |  |
|----------------------------------------------------|-----------------------------|-----------------|-----|----------------------------|--|--|-------------------------------------------------------------------------------------|--|--|
| ZONA                                               |                             | ABSCISA INICIAL |     | UNIDAD DE MUESTREO         |  |  |  |  |  |
| Villavicencio/Meta                                 |                             | K0+400,8        |     | 4                          |  |  |                                                                                     |  |  |
| CODIGO VIA                                         |                             | ABSCISA FINAL   |     | AREA MUESTREO (m2)         |  |  |                                                                                     |  |  |
|                                                    |                             | K0+432,3        |     | 359,1                      |  |  |                                                                                     |  |  |
| INSPECCIONADA POR                                  |                             |                 |     | FECHA                      |  |  |                                                                                     |  |  |
| Alexander Parrado - Anderson Nieto                 |                             |                 |     | 16/7/2020                  |  |  |                                                                                     |  |  |
| No.                                                | Daño                        |                 | No. | Daño                       |  |  |                                                                                     |  |  |
| 1                                                  | Piel de cocodrilo.          |                 | 11  | Parcheo.                   |  |  |                                                                                     |  |  |
| 2                                                  | Exudacion.                  |                 | 12  | Pulimento de agregados.    |  |  |                                                                                     |  |  |
| 3                                                  | Agrietamiento en bloque.    |                 | 13  | Huecos.                    |  |  |                                                                                     |  |  |
| 4                                                  | Abultamientos y hundimi     |                 | 14  | Cruce de via ferrea.       |  |  |                                                                                     |  |  |
| 5                                                  | Corrugacion.                |                 | 15  | Ahuellamiento.             |  |  |                                                                                     |  |  |
| 6                                                  | Depresion.                  |                 | 16  | Desplazamiento.            |  |  |                                                                                     |  |  |
| 7                                                  | Grieta de borde.            |                 | 17  | Grieta parabolica (slippag |  |  |                                                                                     |  |  |
| 8                                                  | Grieta de reflexion de jun  |                 | 18  | Hinchamiento.              |  |  |                                                                                     |  |  |
| 9                                                  | Desnivel carril / Berma.    |                 | 19  | Desprendimiento de agre    |  |  |                                                                                     |  |  |
| 10                                                 | Grietas long y transversal. |                 |     |                            |  |  |                                                                                     |  |  |

| Foto               | Daño | Severidad | Cantidades parciales |           |  |           | Total | Densidad (%) | Valor deducido |
|--------------------|------|-----------|----------------------|-----------|--|-----------|-------|--------------|----------------|
|                    |      |           | Longitud (m)         | Ancho (m) |  | Area (m2) |       |              |                |
| <a href="#">16</a> | 10   | M         | 2,6                  | 0,7       |  | 1,82      | 1,82  | 0,507%       | 1              |
| <a href="#">17</a> | 3    | M         | 6,8                  | 3,4       |  | 23,12     | 23,48 | 6,539%       | 13             |
| <a href="#">18</a> | 10   | H         | 7                    | 2,8       |  | 19,6      | 19,6  | 5,458%       | 22             |
| <a href="#">19</a> | 3    | M         | 0,6                  | 0,6       |  | 0,36      |       |              |                |
| <a href="#">20</a> | 3    | H         | 3,5                  | 1,3       |  | 4,55      | 4,55  | 1,267%       | 8              |

|                             |  |         |         |
|-----------------------------|--|---------|---------|
| Numero maximo admisible (m) |  | 8,16327 | 9,00000 |
|-----------------------------|--|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |    |    |   |       |   |     |
|---------------------------------------------------------------|-------------------|----|----|---|-------|---|-----|
| No.                                                           | Valores Deducidos |    |    |   | Total | q | CVD |
| 1                                                             | 22                |    |    | 6 | 28    | 4 | 65  |
| 2                                                             | 22                | 42 | 16 | 2 | 82    | 3 | 58  |
| 3                                                             | 22                | 42 | 2  | 2 | 66    | 2 | 63  |
| 4                                                             | 78                | 2  | 2  | 2 | 84    | 1 | 84  |

|               |      |
|---------------|------|
| MAX CVD       | 65   |
| PCI           | 35   |
| CLASIFICACION | MALO |



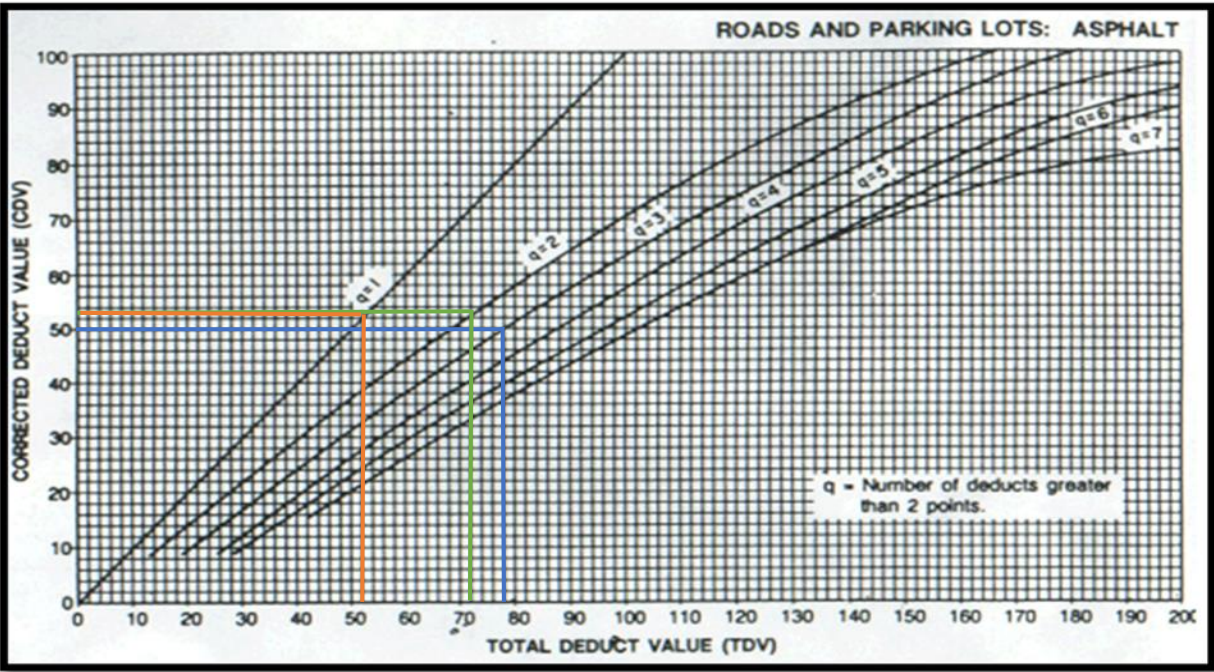
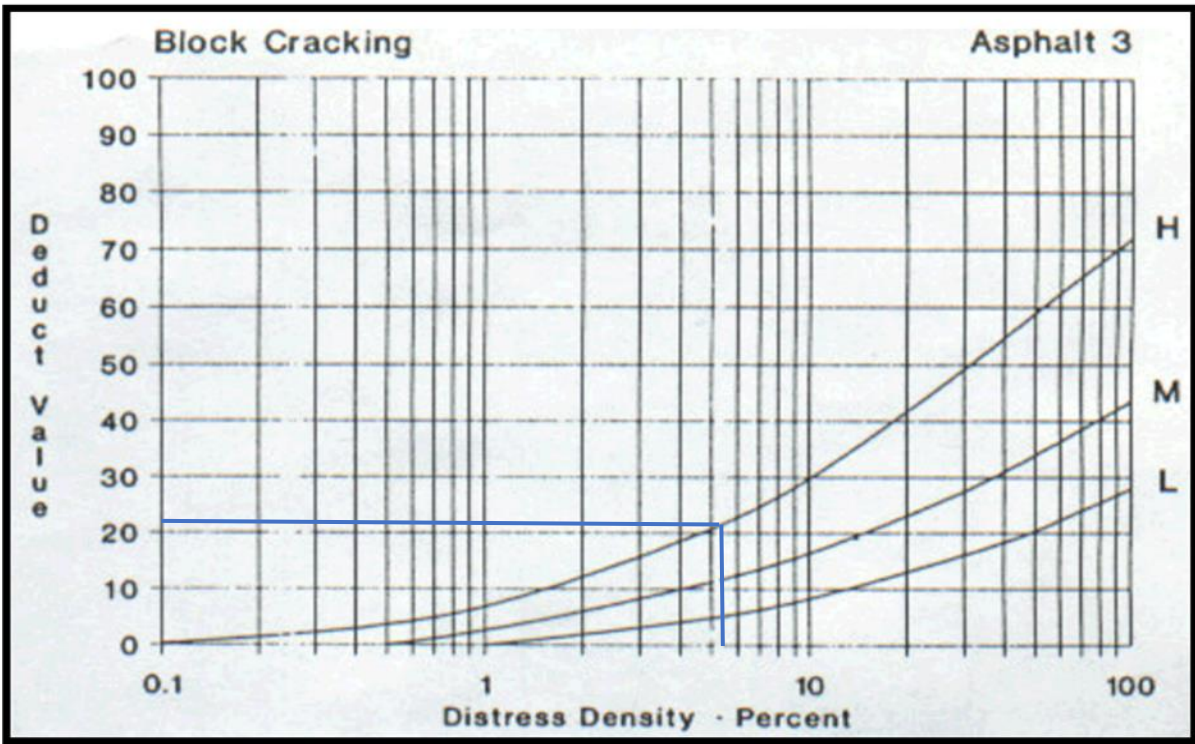
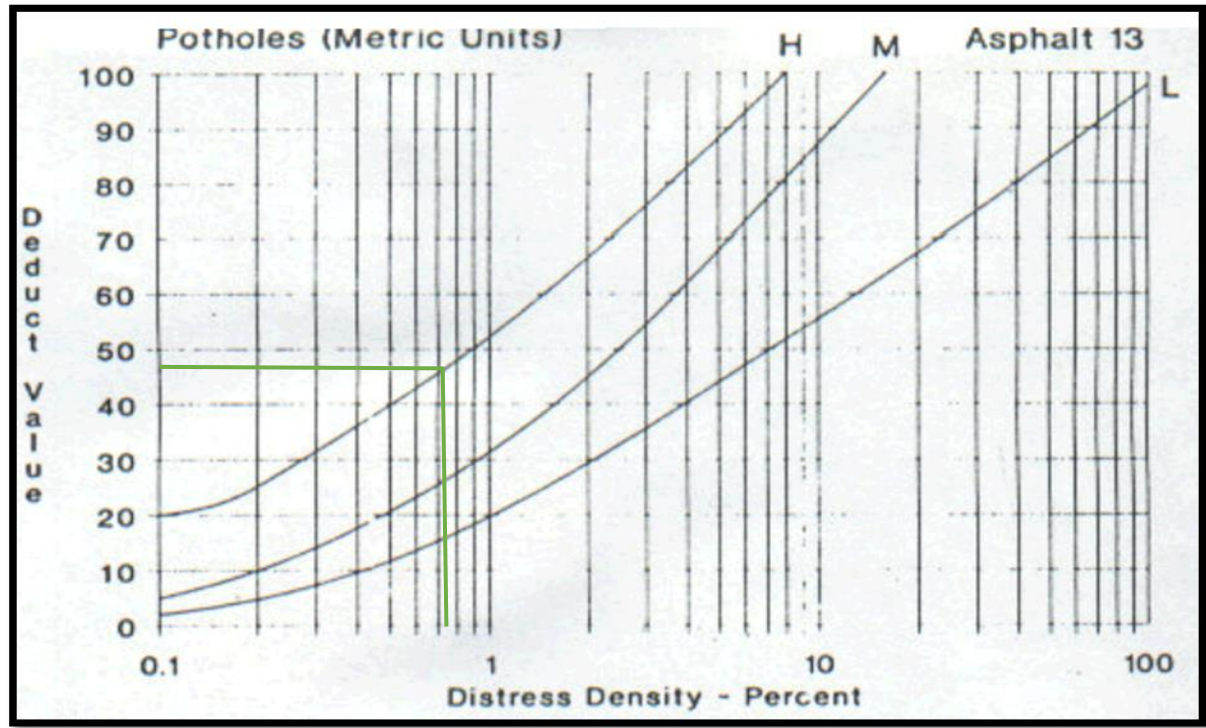
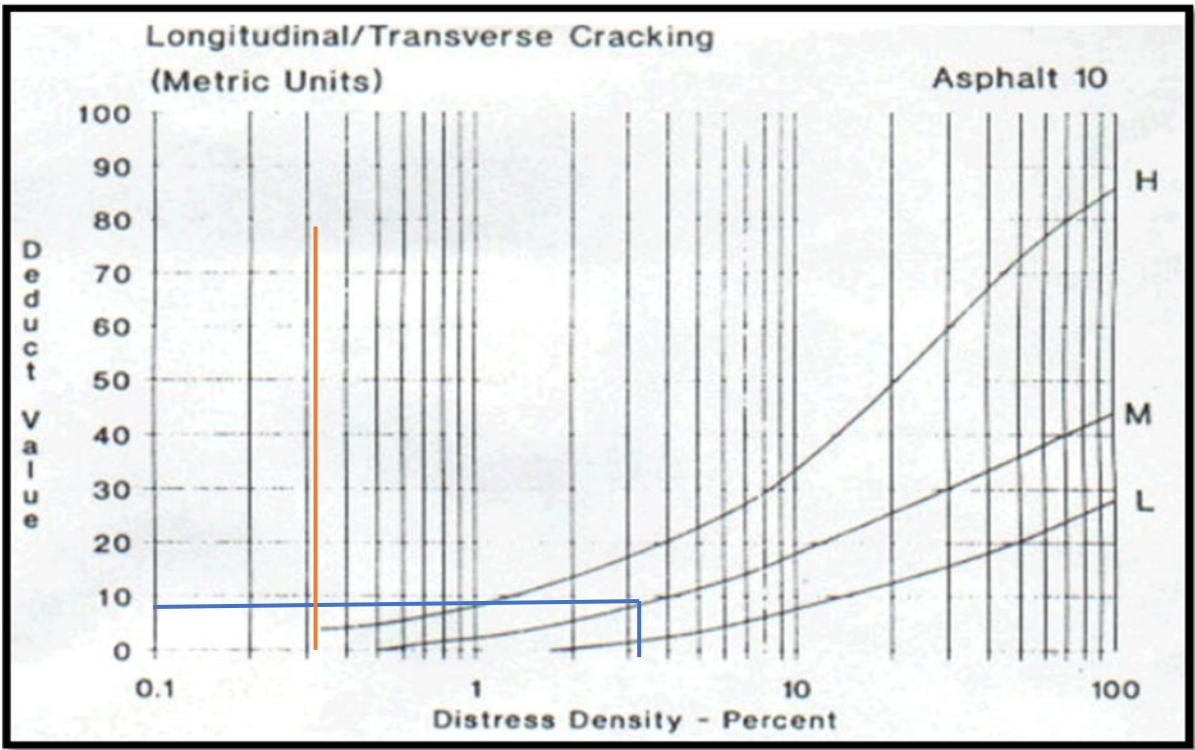


| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |                              |                    |                            |           |           | <div>ESQUEMA</div>  |        |          |
|----------------------------------------------------|------------------------------|--------------------|----------------------------|-----------|-----------|-------------------------------------------------------------------------------------------------------|--------|----------|
| ZONA                                               | ABSCISA INICIAL              | UNIDAD DE MUESTREO |                            |           |           |                                                                                                       |        |          |
| Villavicencio/Meta                                 | K0+534,4                     | 5                  |                            |           |           |                                                                                                       |        |          |
| CODIGO VIA                                         | ABSCISA FINAL                | AREA MUESTREO (m2) |                            |           |           |                                                                                                       |        |          |
|                                                    | K0+565,9                     | 359,1              |                            |           |           |                                                                                                       |        |          |
| INSPECCIONADA POR                                  |                              | FECHA              |                            |           |           |                                                                                                       |        |          |
| Alexander Parrado - Anderson Nieto                 |                              | 16/7/2020          |                            |           |           |                                                                                                       |        |          |
| No.                                                | Daño                         | No.                | Daño                       |           |           |                                                                                                       |        |          |
| 1                                                  | Piel de cocodrilo.           | 11                 | Parqueo.                   |           |           |                                                                                                       |        |          |
| 2                                                  | Exudacion.                   | 12                 | Pulimento de agregados.    |           |           |                                                                                                       |        |          |
| 3                                                  | Agrietamiento en bloque.     | 13                 | Huecos.                    |           |           |                                                                                                       |        |          |
| 4                                                  | Abultamientos y hundimien    | 14                 | Cruce de via ferrea.       |           |           |                                                                                                       |        |          |
| 5                                                  | Corrugacion.                 | 15                 | Ahuellamiento.             |           |           |                                                                                                       |        |          |
| 6                                                  | Depresion.                   | 16                 | Desplazamiento.            |           |           |                                                                                                       |        |          |
| 7                                                  | Grieta de borde.             | 17                 | Grieta parabolica (slippag |           |           |                                                                                                       |        |          |
| 8                                                  | Grieta de reflexion de junta | 18                 | Hinchamiento.              |           |           |                                                                                                       |        |          |
| 9                                                  | Desnivel carril / Berma.     | 19                 | Desprendimiento de agre    |           |           |                                                                                                       |        |          |
| 10                                                 | Grietas long y transversal.  |                    |                            |           |           |                                                                                                       |        |          |
| Foto                                               | Daño                         | Severidad          | Cantidades parciales       |           |           | Total                                                                                                 | (%)    | deducido |
|                                                    |                              |                    | Longitud (m)               | Ancho (m) | Area (m2) |                                                                                                       |        |          |
| <a href="#">21</a>                                 | 3                            | H                  | 3,4                        | 2         | 6,8       | 19,76                                                                                                 | 5,503% | 22       |
| <a href="#">22</a>                                 | 10                           | M                  | 4,2                        | 2,3       | 9,66      | 11,585                                                                                                | 3,226% | 8        |
| <a href="#">23</a>                                 | 10                           | M                  | 1,75                       | 1,1       | 1,925     |                                                                                                       |        |          |
| <a href="#">24</a>                                 | 13                           | H                  | 1,5                        | 1,8       | 2,7       | 2,7                                                                                                   | 0,752% | 48       |
| <a href="#">25</a>                                 | 3                            | H                  | 4,8                        | 2,7       | 12,96     |                                                                                                       |        |          |

|                             |         |         |
|-----------------------------|---------|---------|
| Numero maximo admisible (m) | 5,77551 | 6,00000 |
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |    |   |       |   |     |
|---------------------------------------------------------------|-------------------|----|---|-------|---|-----|
| No.                                                           | Valores Deducidos |    |   | Total | q | CVD |
| 1                                                             | 48                | 22 | 8 | 78    | 3 | 50  |
| 2                                                             | 48                | 22 | 2 | 72    | 2 | 53  |
| 3                                                             | 48                | 2  | 2 | 52    | 1 | 53  |

|               |         |
|---------------|---------|
| MAX CVD       | 53      |
| PCI           | 47      |
| CLASIFICACION | REGULAR |





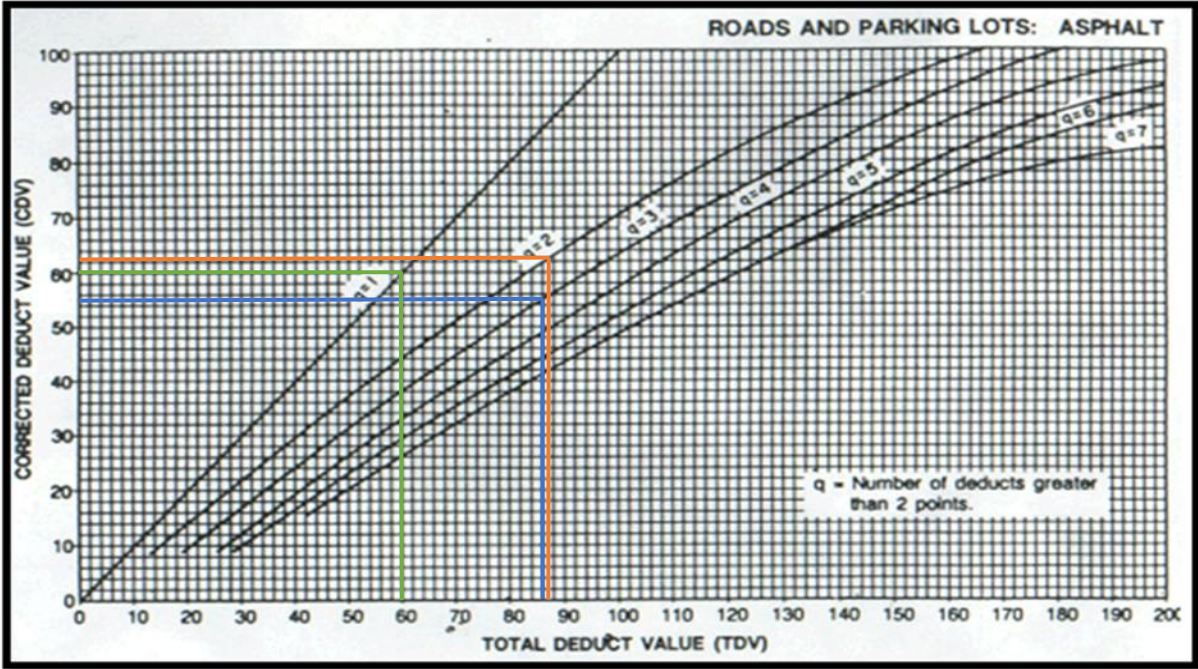
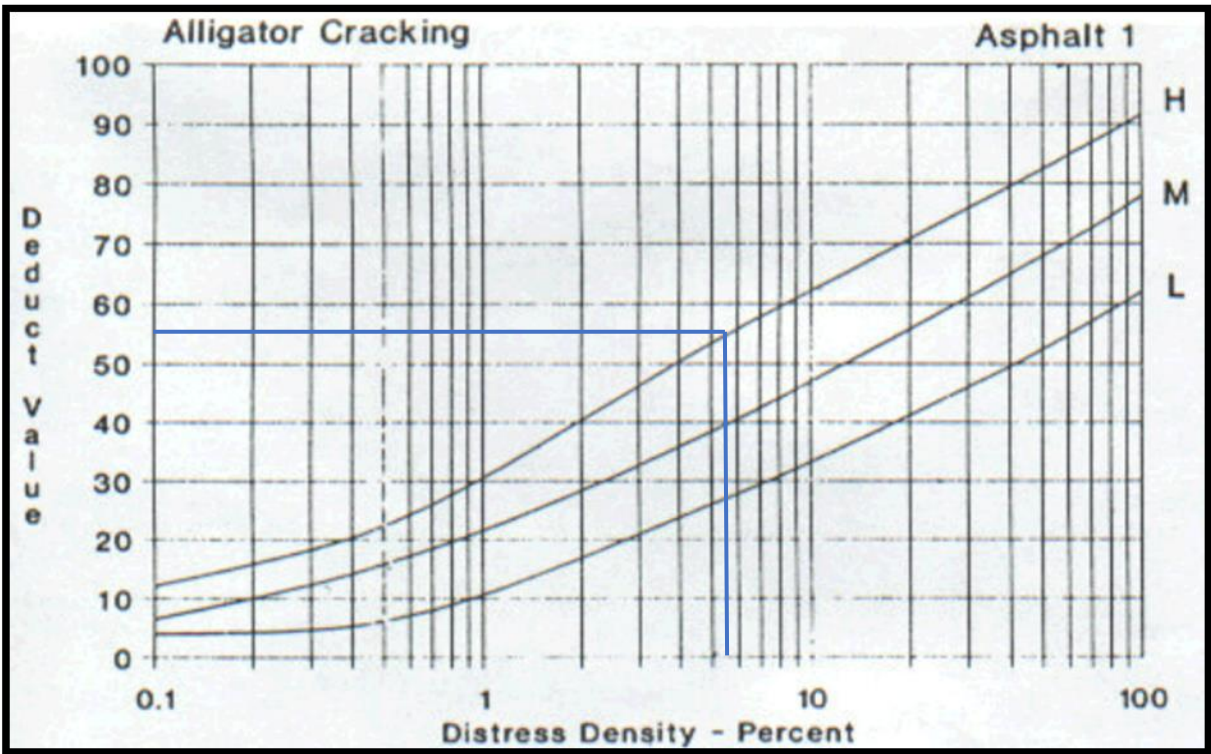
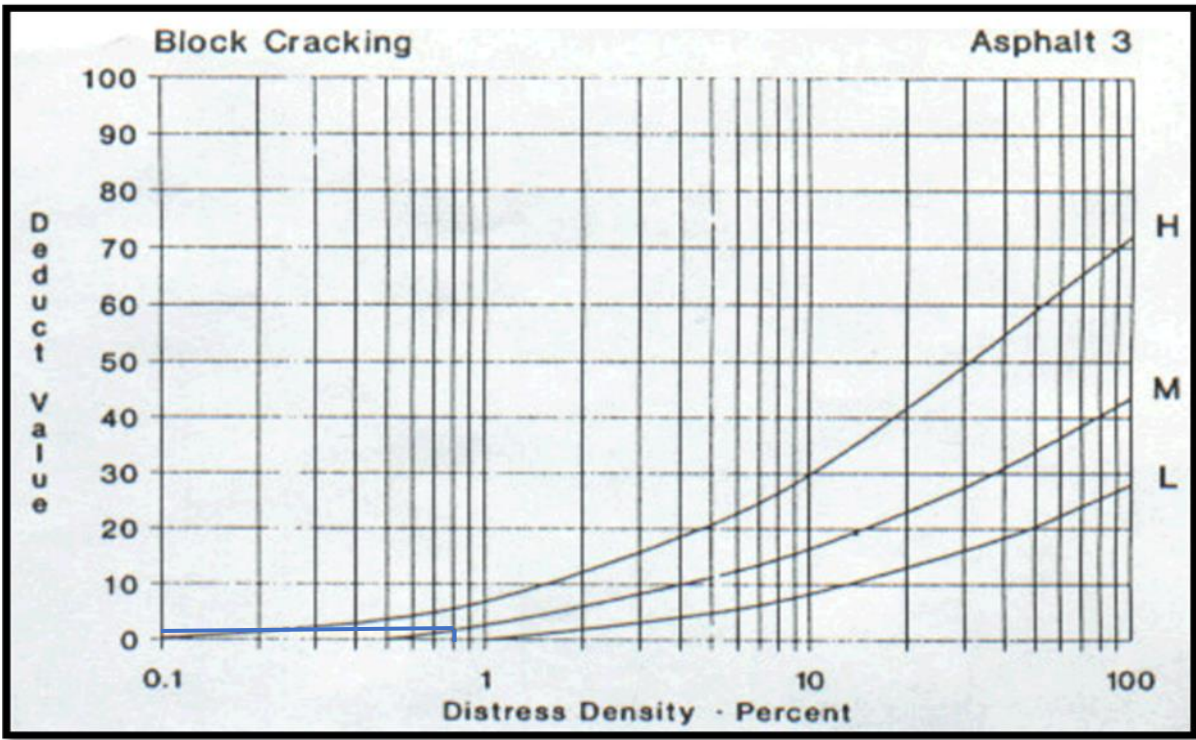
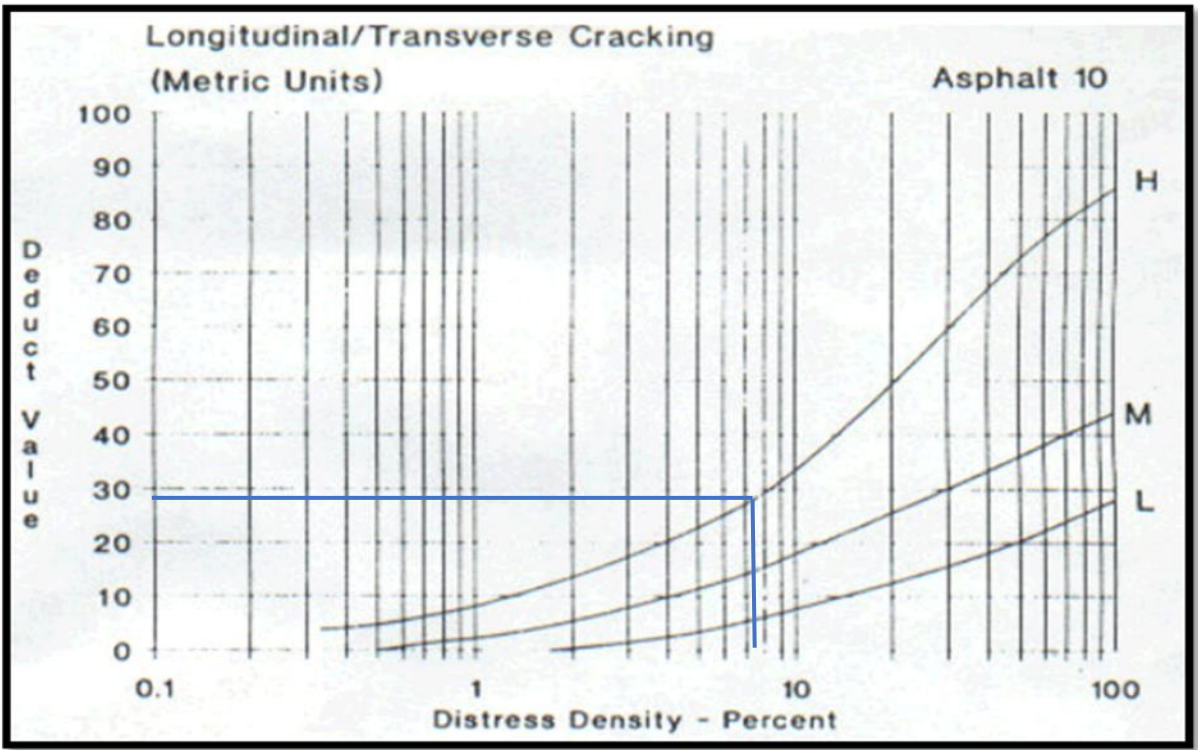
| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |  |                               |                 |     |                    |                            |  |  |
|----------------------------------------------------|--|-------------------------------|-----------------|-----|--------------------|----------------------------|--|--|
| ZONA                                               |  |                               | ABSCISA INICIAL |     | UNIDAD DE MUESTREO |                            |  |  |
| Villavicencio/Meta                                 |  |                               | K0+668,0        |     | 6                  |                            |  |  |
| CODIGO VIA                                         |  |                               | ABSCISA FINAL   |     | AREA MUESTREO (m2) |                            |  |  |
|                                                    |  |                               | K0+699,5        |     | 359,1              |                            |  |  |
| INSPECCIONADA POR                                  |  |                               |                 |     | FECHA              |                            |  |  |
| Alexander Parrado - Anderson Nieto                 |  |                               |                 |     | 16/7/2020          |                            |  |  |
| No.                                                |  | Daño                          |                 | No. |                    | Daño                       |  |  |
| 1                                                  |  | Piel de cocodrilo.            |                 | 11  |                    | Parcheo.                   |  |  |
| 2                                                  |  | Exudacion.                    |                 | 12  |                    | Pulimento de agregados.    |  |  |
| 3                                                  |  | Agrietamiento en bloque.      |                 | 13  |                    | Huecos.                    |  |  |
| 4                                                  |  | Abultamientos y hundimient    |                 | 14  |                    | Cruce de via ferrea.       |  |  |
| 5                                                  |  | Corrugacion.                  |                 | 15  |                    | Ahuellamiento.             |  |  |
| 6                                                  |  | Depresion.                    |                 | 16  |                    | Desplazamiento.            |  |  |
| 7                                                  |  | Grieta de borde.              |                 | 17  |                    | Grieta parabolica (slippag |  |  |
| 8                                                  |  | Grieta de reflexion de junta. |                 | 18  |                    | Hinchamiento.              |  |  |
| 9                                                  |  | Desnivel carril / Berma.      |                 | 19  |                    | Desprendimiento de agre    |  |  |
| 10                                                 |  | Grietas long y transversal.   |                 |     |                    |                            |  |  |

| Foto               | Daño | Severidad | Cantidades parciales |           |           | Total | Densidad (%) | Valor deducido |
|--------------------|------|-----------|----------------------|-----------|-----------|-------|--------------|----------------|
|                    |      |           | Longitud (m)         | Ancho (m) | Area (m2) |       |              |                |
| <a href="#">26</a> | 1    | H         | 6                    | 3,4       | 20,4      | 20,4  | 5,681%       | 56             |
| <a href="#">27</a> | 10   | H         | 5                    | 4,2       | 21        | 26,5  | 7,377%       | 29             |
| <a href="#">28</a> | 3    | M         | 5                    | 0,6       | 3,0       | 3,0   | 0,835%       | 1              |
| <a href="#">29</a> | 10   | H         | 0,6                  | 0,4       | 0,24      |       |              |                |
| <a href="#">30</a> | 10   | H         | 7                    | 0,75      | 5,25      |       |              |                |

| Numero maximo admisible (m) | 5,04082 | 6,00000 |
|-----------------------------|---------|---------|
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |    |   |       |   |     |
|---------------------------------------------------------------|-------------------|----|---|-------|---|-----|
| No.                                                           | Valores Deducidos |    |   | Total | q | CVD |
| 1                                                             | 56                | 29 | 1 | 86    | 3 | 56  |
| 2                                                             | 56                | 29 | 2 | 87    | 2 | 63  |
| 3                                                             | 56                | 2  | 2 | 60    | 1 | 60  |

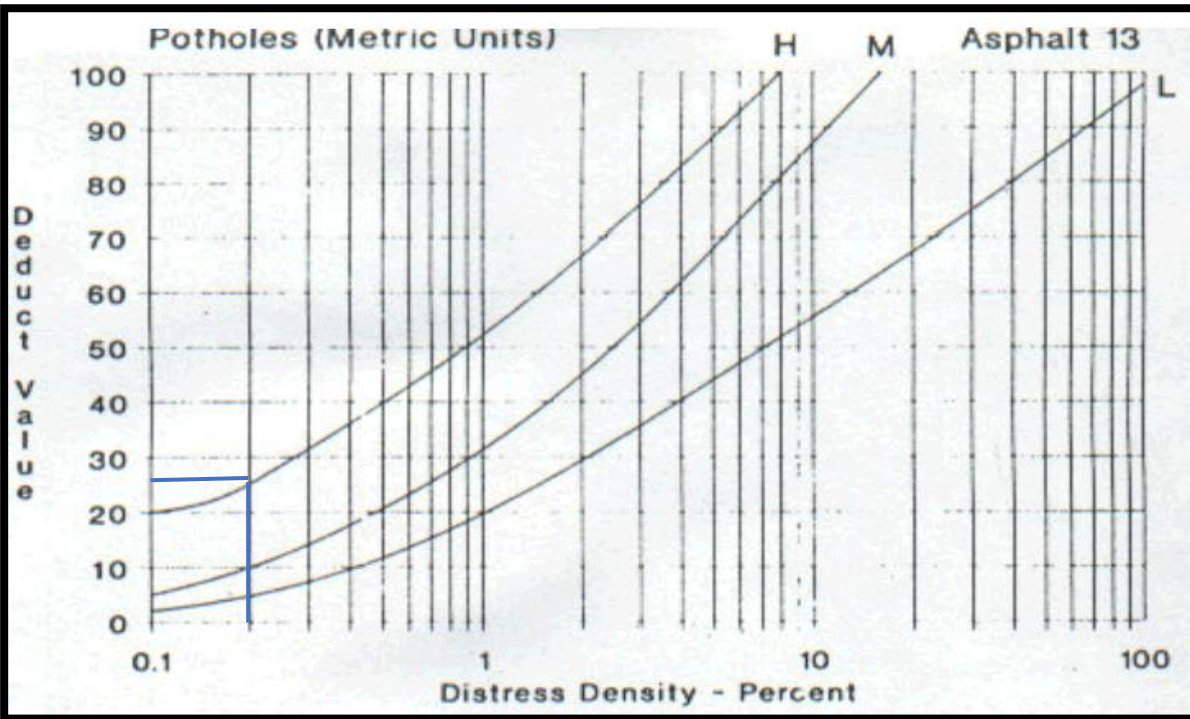
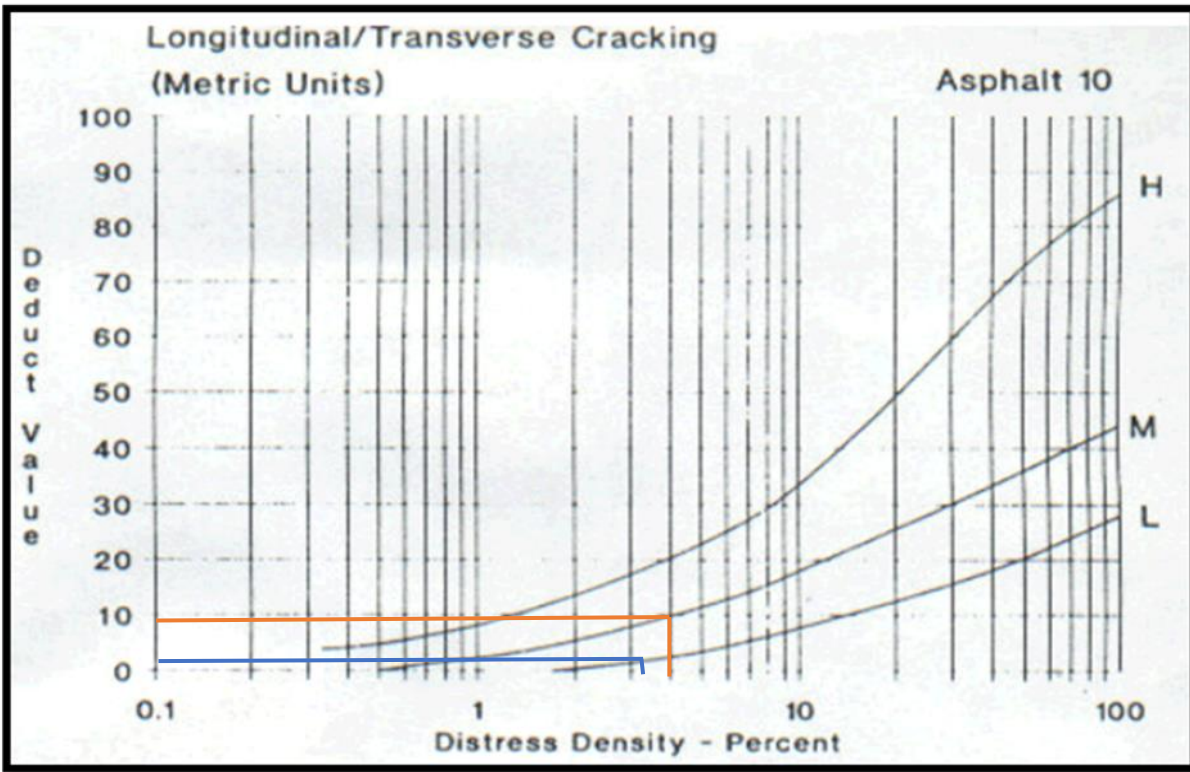
|               |      |
|---------------|------|
| MAX CVD       | 63   |
| PCI           | 37   |
| CLASIFICACION | MALO |





| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |  |                             |  |                    |                            | ESQUEMA                                                                             |  |  |
|----------------------------------------------------|--|-----------------------------|--|--------------------|----------------------------|-------------------------------------------------------------------------------------|--|--|
| ZONA                                               |  | ABSCISA INICIAL             |  | UNIDAD DE MUESTREO |                            |  |  |  |
| Villavicencio/Meta                                 |  | K0+801,6                    |  | 7                  |                            |                                                                                     |  |  |
| CODIGO VIA                                         |  | ABSCISA FINAL               |  | AREA MUESTREO (m2) |                            |                                                                                     |  |  |
|                                                    |  | K0+833,1                    |  | 359,1              |                            |                                                                                     |  |  |
| INSPECCIONADA POR                                  |  |                             |  | FECHA              |                            |                                                                                     |  |  |
| Alexander Parrado - Anderson Nieto                 |  |                             |  | 16/7/2020          |                            |                                                                                     |  |  |
| No.                                                |  | Daño                        |  | No.                | Daño                       |                                                                                     |  |  |
| 1                                                  |  | Piel de cocodrilo.          |  | 11                 | Parcheo.                   |                                                                                     |  |  |
| 2                                                  |  | Exudacion.                  |  | 12                 | Pulimento de agregados.    |                                                                                     |  |  |
| 3                                                  |  | Agrietamiento en bloque     |  | 13                 | Huecos.                    |                                                                                     |  |  |
| 4                                                  |  | Abultamientos y hundim      |  | 14                 | Cruce de via ferrea.       |                                                                                     |  |  |
| 5                                                  |  | Corrugacion.                |  | 15                 | Ahuellamiento.             |                                                                                     |  |  |
| 6                                                  |  | Depresion.                  |  | 16                 | Desplazamiento.            |                                                                                     |  |  |
| 7                                                  |  | Grieta de borde.            |  | 17                 | Grieta parabolica (slippag |                                                                                     |  |  |
| 8                                                  |  | Grieta de reflexion de jur  |  | 18                 | Hinchamiento.              |                                                                                     |  |  |
| 9                                                  |  | Desnivel carril / Berma.    |  | 19                 | Desprendimiento de agre    |                                                                                     |  |  |
| 10                                                 |  | Grietas long y transversal. |  |                    |                            |                                                                                     |  |  |

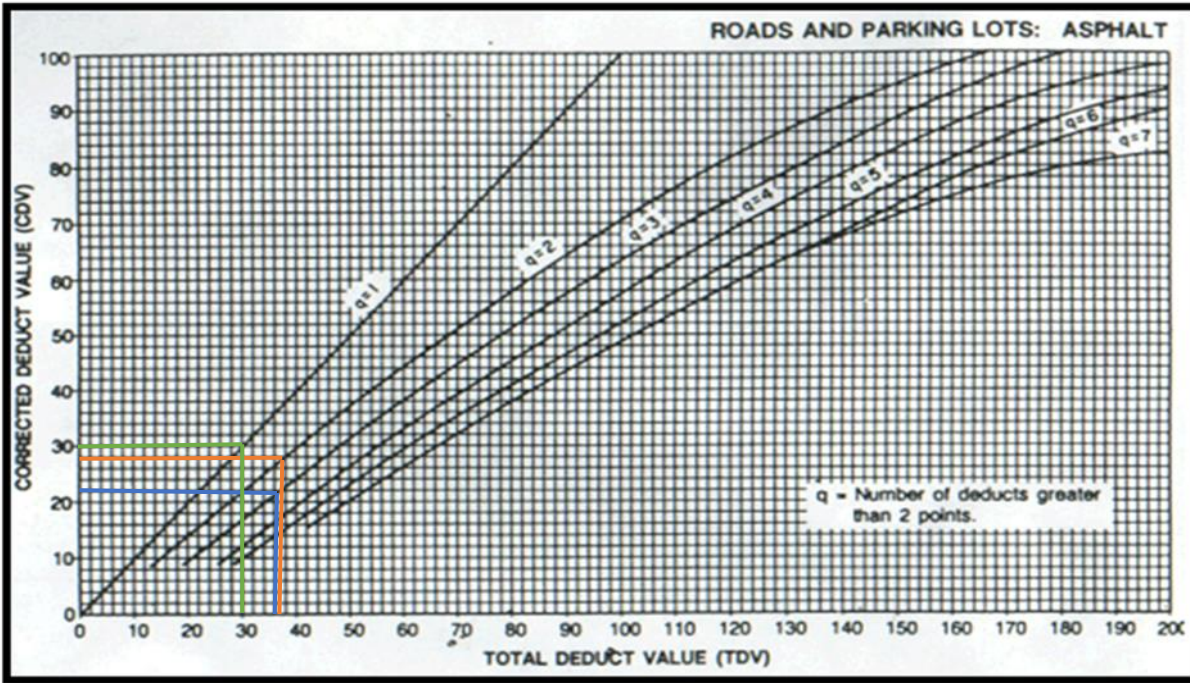
| Foto               | Daño | Severidad | Cantidades parciales |           |           | Total | Concreto (%) | Pav. deducido |
|--------------------|------|-----------|----------------------|-----------|-----------|-------|--------------|---------------|
|                    |      |           | Longitud (m)         | Ancho (m) | Area (m2) |       |              |               |
| <a href="#">31</a> | 10   | L         | 6                    | 2         | 12        | 12    | 3,342%       | 1             |
| <a href="#">32</a> | 10   | M         | 1,1                  | 0,6       | 0,66      | 1,47  | 0,409%       | 10            |
| <a href="#">33</a> | 10   | M         | 0,75                 | 0,6       | 0,45      |       |              |               |
| <a href="#">34</a> | 10   | M         | 0,6                  | 0,6       | 0,36      |       |              |               |
| <a href="#">35</a> | 13   | H         | 1,2                  | 0,6       | 0,72      | 0,72  | 0,201%       | 26            |



|                             |         |         |
|-----------------------------|---------|---------|
| Numero maximo admisible (m) | 7,79592 | 8,00000 |
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |    |   |       |   |     |  |
|---------------------------------------------------------------|-------------------|----|---|-------|---|-----|--|
| No.                                                           | Valores Deducidos |    |   | Total | q | CVD |  |
| 1                                                             | 26                | 10 | 1 | 37    | 3 | 22  |  |
| 2                                                             | 26                | 10 | 2 | 38    | 2 | 28  |  |
| 3                                                             | 26                | 2  | 2 | 30    | 1 | 30  |  |

|               |       |
|---------------|-------|
| MAX CVD       | 30    |
| PCI           | 70    |
| CLASIFICACION | BUENO |



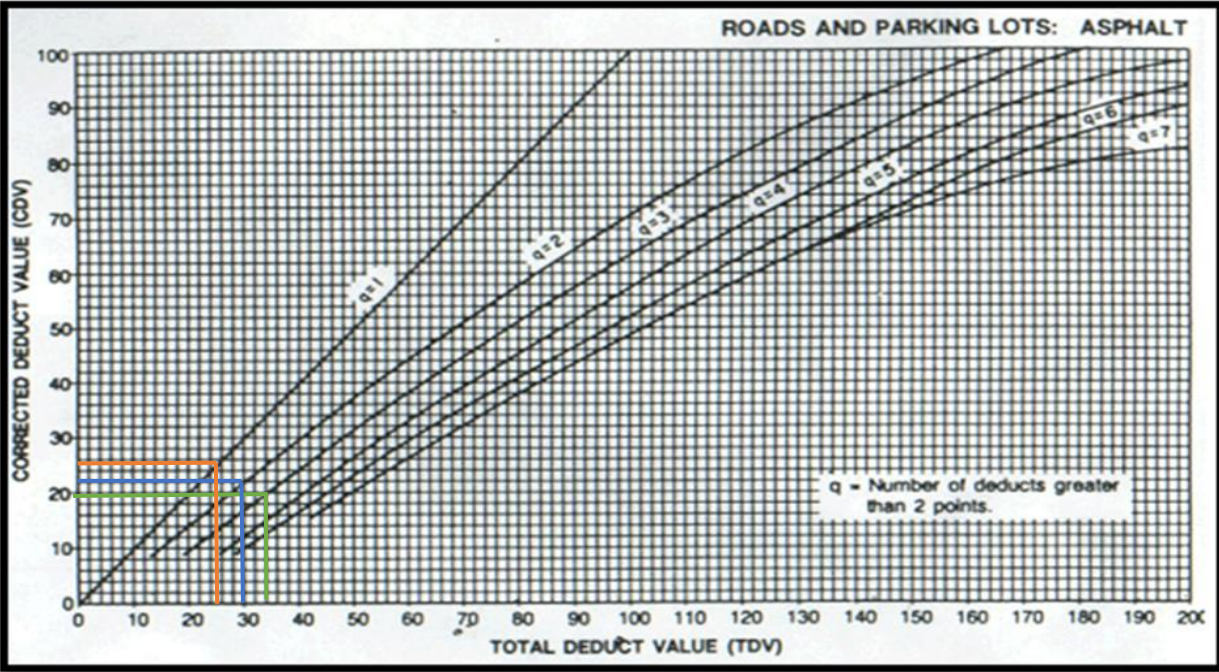
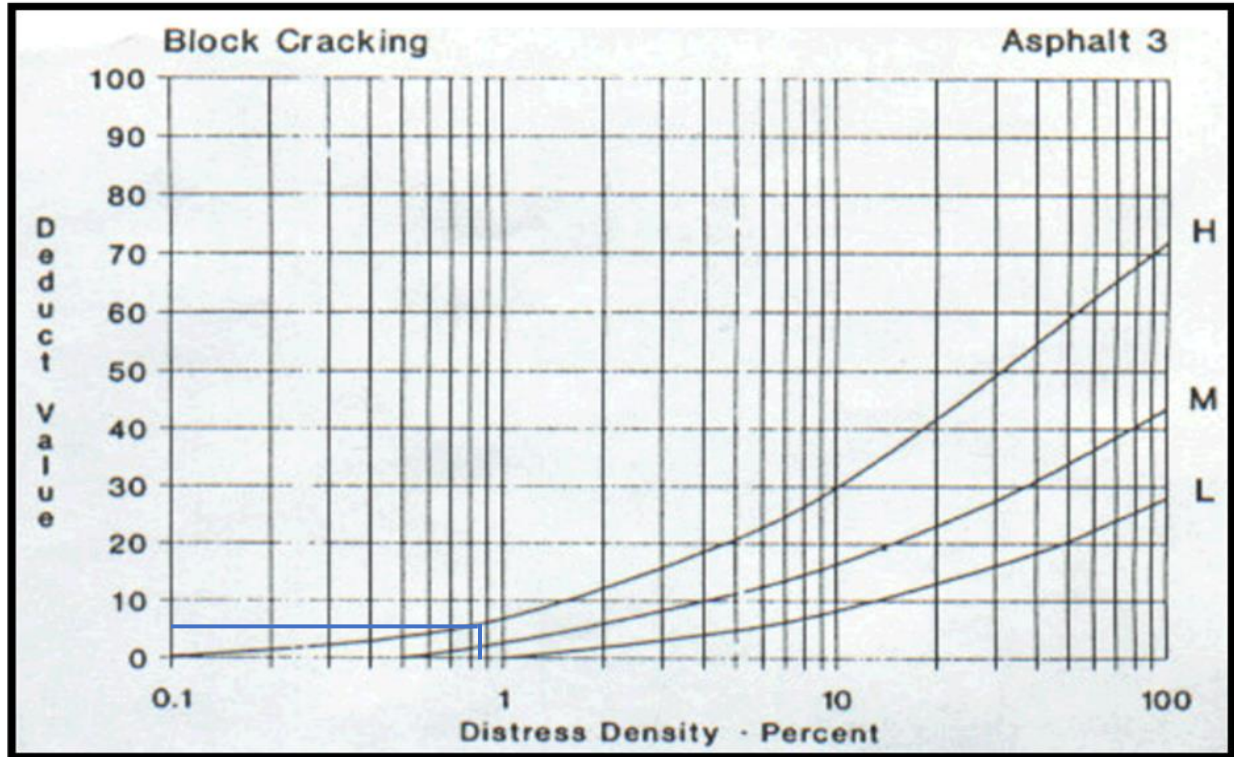
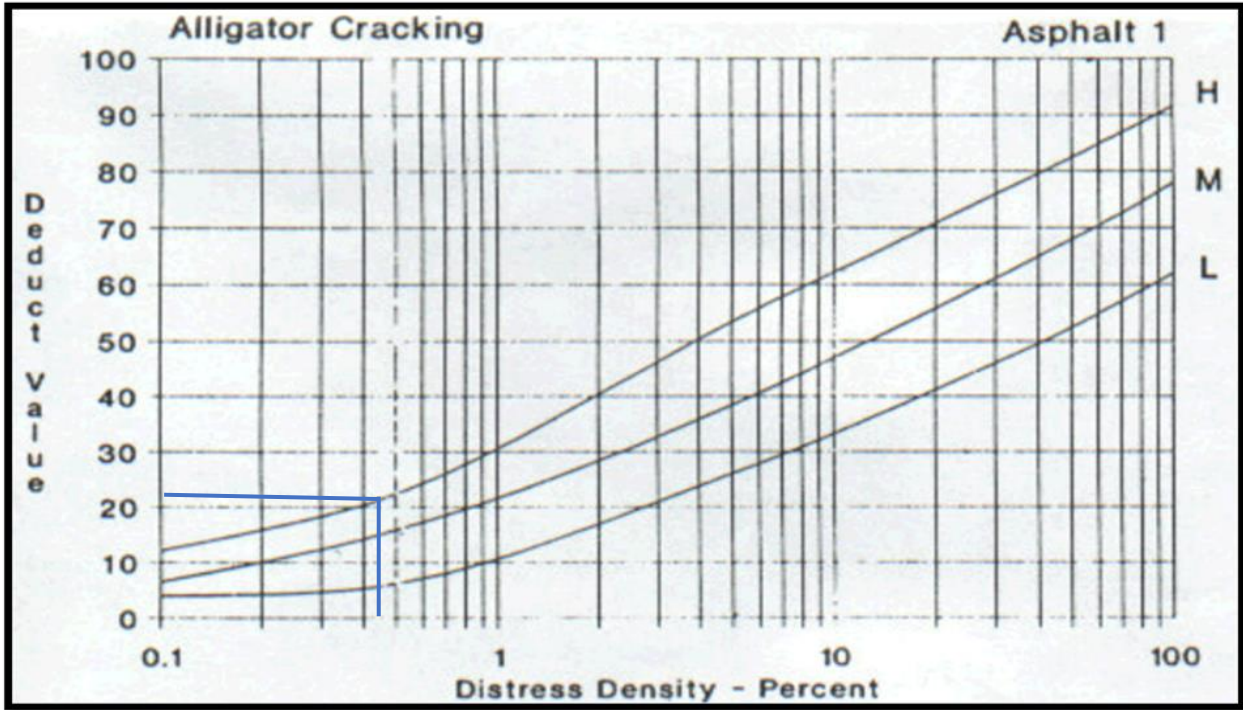
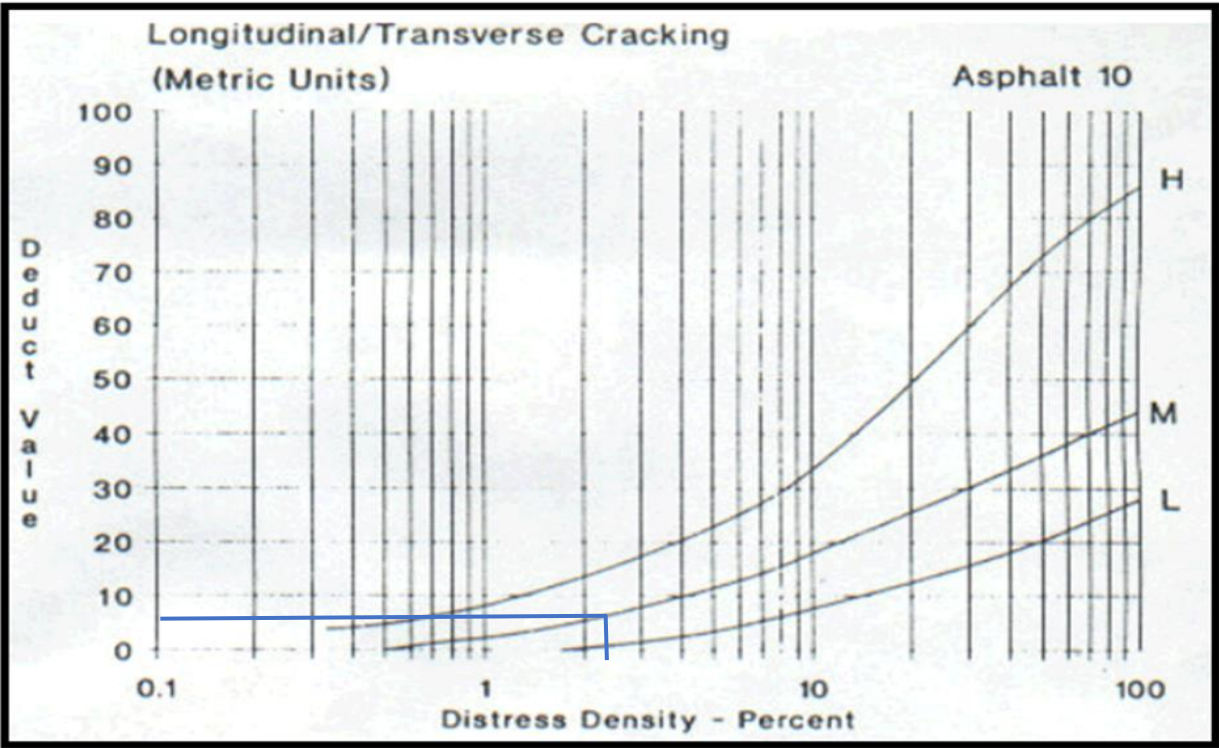


| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |                               |                 |                      |                            |           | ESQUEMA                                                                            |        |          |  |
|----------------------------------------------------|-------------------------------|-----------------|----------------------|----------------------------|-----------|------------------------------------------------------------------------------------|--------|----------|--|
| ZONA                                               |                               | ABSCISA INICIAL |                      | UNIDAD DE MUESTREO         |           |  |        |          |  |
| Villavicencio/Meta                                 |                               | K0+935,2        |                      | 8                          |           |                                                                                    |        |          |  |
| CODIGO VIA                                         |                               | ABSCISA FINAL   |                      | AREA MUESTREO (m2)         |           |                                                                                    |        |          |  |
|                                                    |                               | K0+966,7        |                      | 330,75                     |           |                                                                                    |        |          |  |
| INSPECCIONADA POR                                  |                               |                 |                      | FECHA                      |           |                                                                                    |        |          |  |
| Alexander Parrado - Anderson Nieto                 |                               |                 |                      | 16/7/2020                  |           |                                                                                    |        |          |  |
| No.                                                | Daño                          |                 | No.                  | Daño                       |           |  |        |          |  |
| 1                                                  | Piel de cocodrilo.            |                 | 11                   | Parqueo.                   |           |                                                                                    |        |          |  |
| 2                                                  | Exudacion.                    |                 | 12                   | Pulimento de agregados.    |           |                                                                                    |        |          |  |
| 3                                                  | Agrietamiento en bloque.      |                 | 13                   | Huecos.                    |           |                                                                                    |        |          |  |
| 4                                                  | Abultamientos y hundimientos. |                 | 14                   | Cruce de via ferrea.       |           |                                                                                    |        |          |  |
| 5                                                  | Corrugacion.                  |                 | 15                   | Ahuellamiento.             |           |                                                                                    |        |          |  |
| 6                                                  | Depresion.                    |                 | 16                   | Desplazamiento.            |           |                                                                                    |        |          |  |
| 7                                                  | Grieta de borde.              |                 | 17                   | Grieta parabolica (slippag |           |                                                                                    |        |          |  |
| 8                                                  | Grieta de reflexion de junta. |                 | 18                   | Hinchamiento.              |           |                                                                                    |        |          |  |
| 9                                                  | Desnivel carril / Berma.      |                 | 19                   | Desprendimiento de agre    |           |                                                                                    |        |          |  |
| 10                                                 | Grietas long y transversal.   |                 |                      |                            |           |                                                                                    |        |          |  |
| Foto                                               | Daño                          | Severidad       | Cantidades parciales |                            |           |                                                                                    | (%)    | deducido |  |
|                                                    |                               |                 | Longitud (m)         | Ancho (m)                  | Area (m2) |                                                                                    |        |          |  |
| <a href="#">36</a>                                 | 10                            | M               | 1,2                  | 1                          | 1,2       | 2,37                                                                               | 0,717% | 6        |  |
| <a href="#">37</a>                                 | 3                             | H               | 1,1                  | 1,8                        | 1,98      | 2,94                                                                               | 0,889% | 7        |  |
| <a href="#">38</a>                                 | 10                            | M               | 1,3                  | 0,9                        | 1,17      |                                                                                    |        |          |  |
| <a href="#">39</a>                                 | 1                             | H               | 1,4                  | 1,1                        | 1,54      | 1,54                                                                               | 0,466% | 21       |  |
| <a href="#">40</a>                                 | 3                             | H               | 1,2                  | 0,8                        | 0,96      |                                                                                    |        |          |  |

|                             |         |         |
|-----------------------------|---------|---------|
| Numero maximo admisible (m) | 8,25510 | 9,00000 |
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |   |   |       |   |     |
|---------------------------------------------------------------|-------------------|---|---|-------|---|-----|
| No.                                                           | Valores Deducidos |   |   | Total | q | CVD |
| 1                                                             | 21                | 7 | 6 | 34    | 3 | 19  |
| 2                                                             | 21                | 7 | 2 | 30    | 2 | 22  |
| 3                                                             | 21                | 2 | 2 | 25    | 1 | 25  |

|               |           |
|---------------|-----------|
| MAX CVD       | 25        |
| PCI           | 75        |
| CLASIFICACION | MUY BUENO |



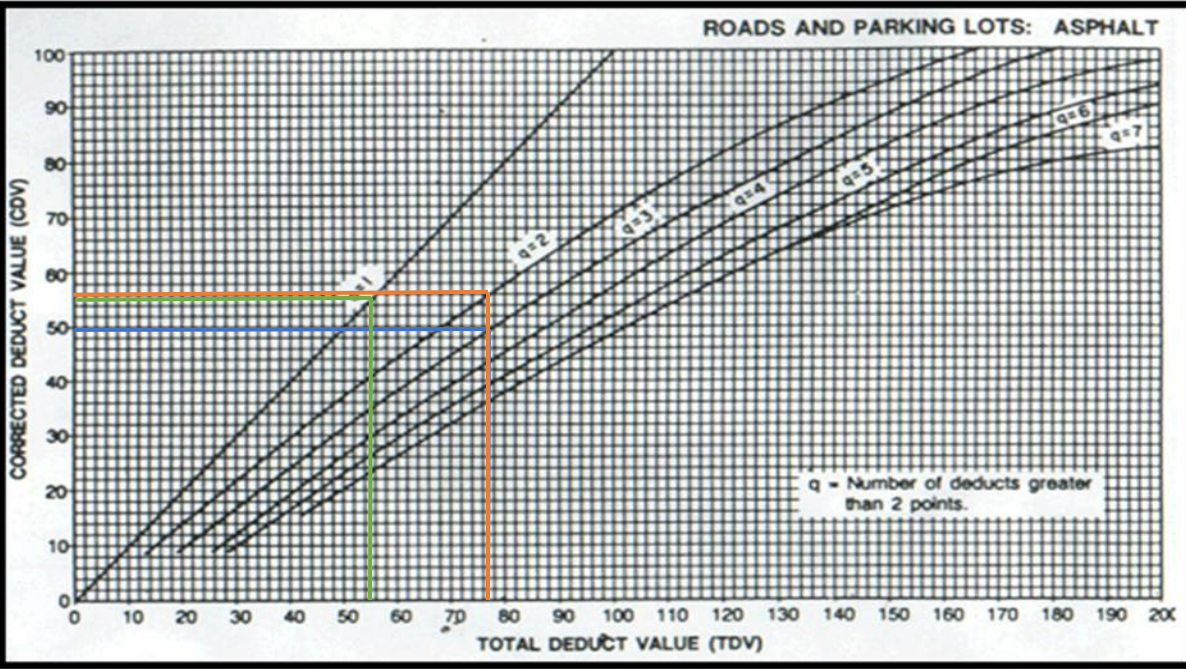
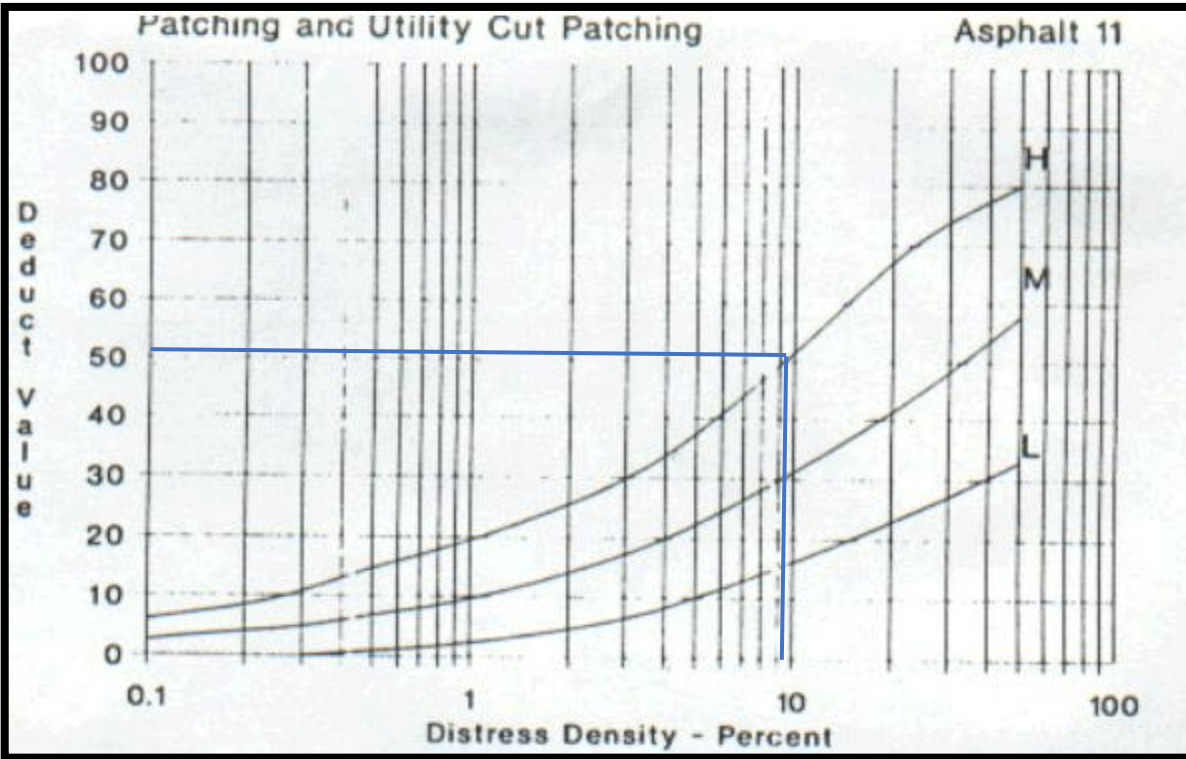
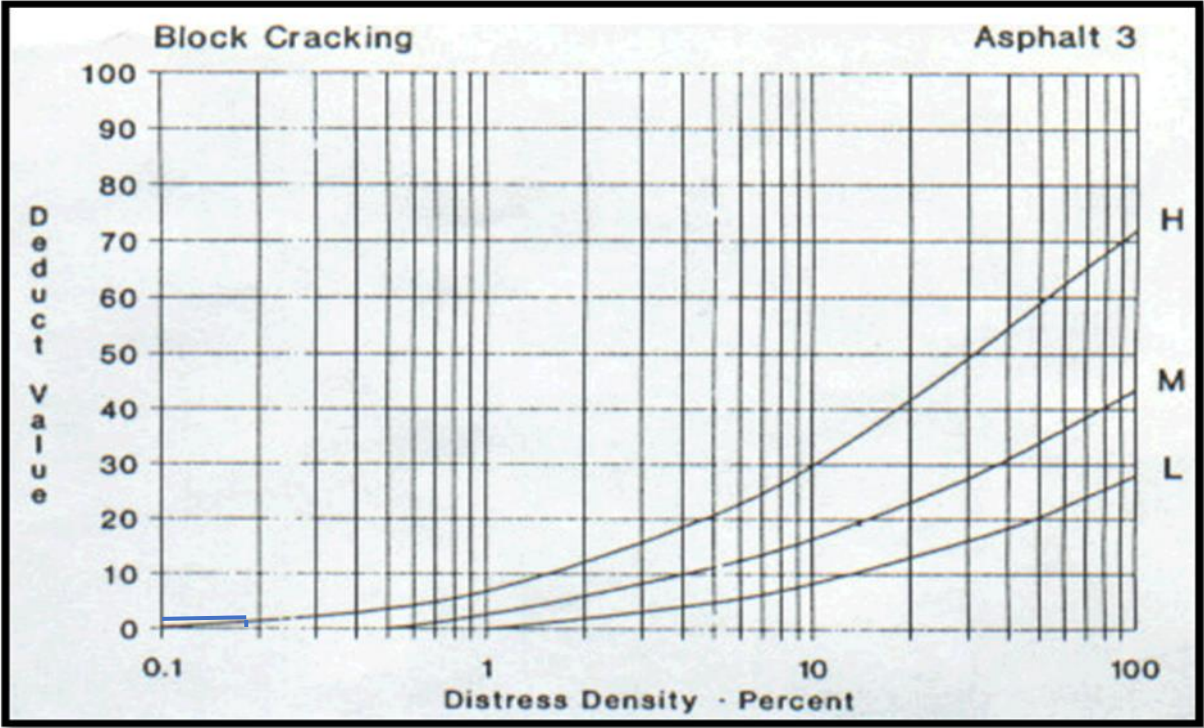
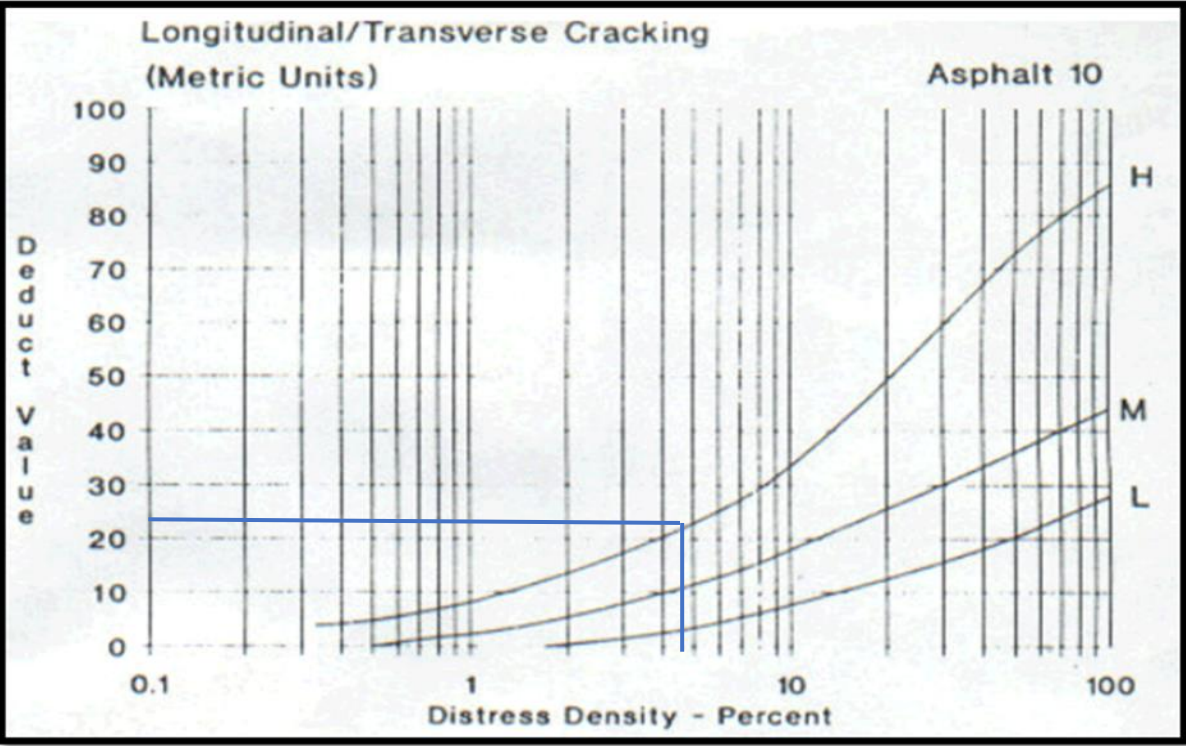


| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |                             |                 |                      |                            |           | <div>ESQUEMA</div>  |        |    |
|----------------------------------------------------|-----------------------------|-----------------|----------------------|----------------------------|-----------|-------------------------------------------------------------------------------------------------------|--------|----|
| ZONA                                               |                             | ABSCISA INICIAL |                      | UNIDAD DE MUESTREO         |           |                                                                                                       |        |    |
| Villavicencio/Meta                                 |                             | K1+68,8         |                      | 9                          |           |                                                                                                       |        |    |
| CODIGO VIA                                         |                             | ABSCISA FINAL   |                      | AREA MUESTREO (m2)         |           |                                                                                                       |        |    |
|                                                    |                             | K1+100,3        |                      | 330,75                     |           |                                                                                                       |        |    |
| INSPECCIONADA POR                                  |                             |                 |                      | FECHA                      |           |                                                                                                       |        |    |
| Alexander Parrado - Anderson Nieto                 |                             |                 |                      | 16/7/2020                  |           |                                                                                                       |        |    |
| No.                                                | Daño                        |                 | No.                  | Daño                       |           |                                                                                                       |        |    |
| 1                                                  | Piel de cocodrilo.          |                 | 11                   | Parcheo.                   |           |                                                                                                       |        |    |
| 2                                                  | Exudacion.                  |                 | 12                   | Pulimento de agregados.    |           |                                                                                                       |        |    |
| 3                                                  | Agrietamiento en bloque     |                 | 13                   | Huecos.                    |           |                                                                                                       |        |    |
| 4                                                  | Abultamientos y hundim      |                 | 14                   | Cruce de via ferrea.       |           |                                                                                                       |        |    |
| 5                                                  | Corrugacion.                |                 | 15                   | Ahuellamiento.             |           |                                                                                                       |        |    |
| 6                                                  | Depresion.                  |                 | 16                   | Desplazamiento.            |           |                                                                                                       |        |    |
| 7                                                  | Grieta de borde.            |                 | 17                   | Grieta parabolica (slippag |           |                                                                                                       |        |    |
| 8                                                  | Grieta de reflexion de jur  |                 | 18                   | Hinchamiento.              |           |                                                                                                       |        |    |
| 9                                                  | Desnivel carril / Berma.    |                 | 19                   | Desprendimiento de agre    |           |                                                                                                       |        |    |
| 10                                                 | Grietas long y transversal. |                 |                      |                            |           |                                                                                                       |        |    |
| Foto                                               | Daño                        | Severidad       | Cantidades parciales |                            |           |                                                                                                       |        |    |
|                                                    |                             |                 | Longitud (m)         | Ancho (m)                  | Area (m2) |                                                                                                       |        |    |
| <a href="#">41</a>                                 | 11                          | H               | 1,1                  | 0,6                        | 0,66      | 33,06                                                                                                 | 9,995% | 51 |
| <a href="#">42</a>                                 | 10                          | H               | 1,6                  | 0,7                        | 1,12      | 14,98                                                                                                 | 4,529% | 24 |
| <a href="#">43</a>                                 | 3                           | H               | 0,75                 | 0,75                       | 0,5625    | 56,250%                                                                                               | 0,170% | 2  |
| <a href="#">44</a>                                 | 10                          | H               | 4,2                  | 3,3                        | 13,86     |                                                                                                       |        |    |
| <a href="#">45</a>                                 | 11                          | H               | 6                    | 5,4                        | 32,4      |                                                                                                       |        |    |

|                             |         |         |
|-----------------------------|---------|---------|
| Numero maximo admisible (m) | 5,50000 | 6,00000 |
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |    |   |       |   |     |
|---------------------------------------------------------------|-------------------|----|---|-------|---|-----|
| No.                                                           | Valores Deducidos |    |   | Total | q | CVD |
| 1                                                             | 51                | 24 | 2 | 77    | 3 | 50  |
| 2                                                             | 51                | 24 | 2 | 77    | 2 | 56  |
| 3                                                             | 51                | 2  | 2 | 55    | 1 | 55  |

|               |         |
|---------------|---------|
| MAX CVD       | 56      |
| PCI           | 44      |
| CLASIFICACION | REGULAR |





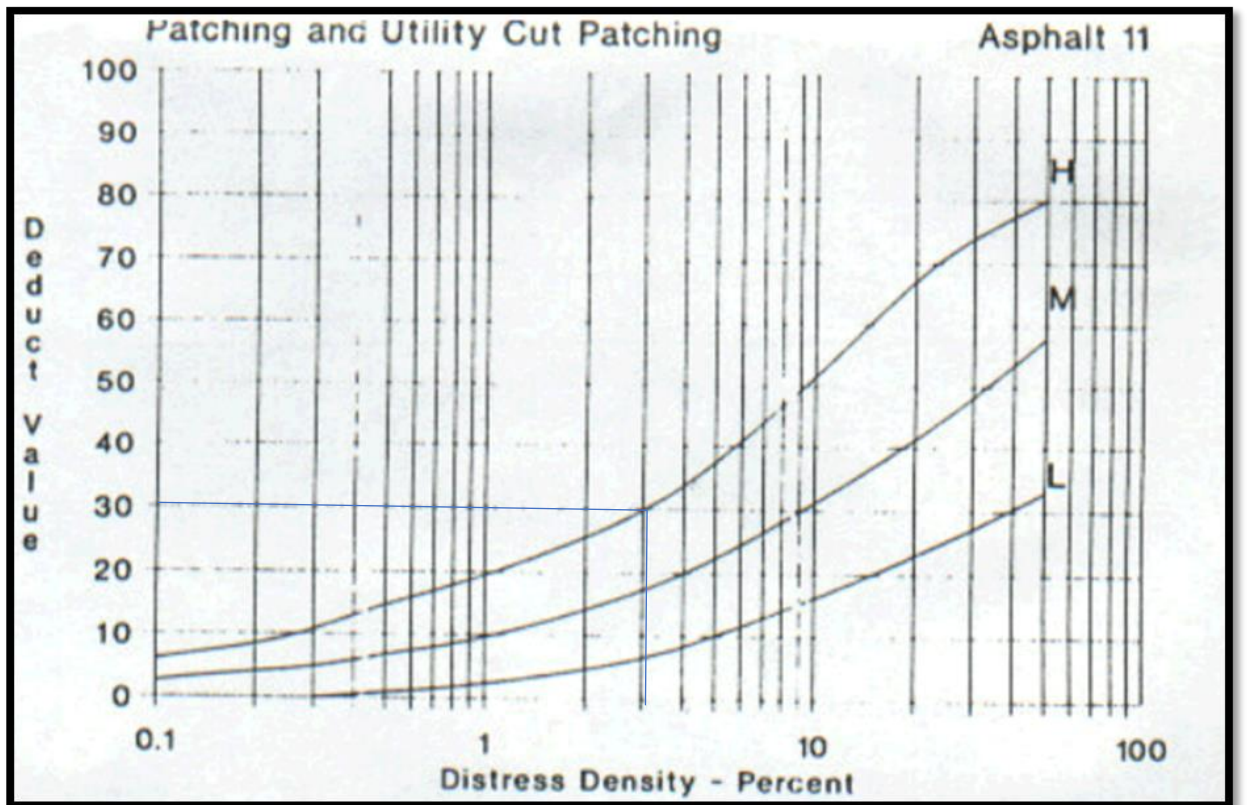
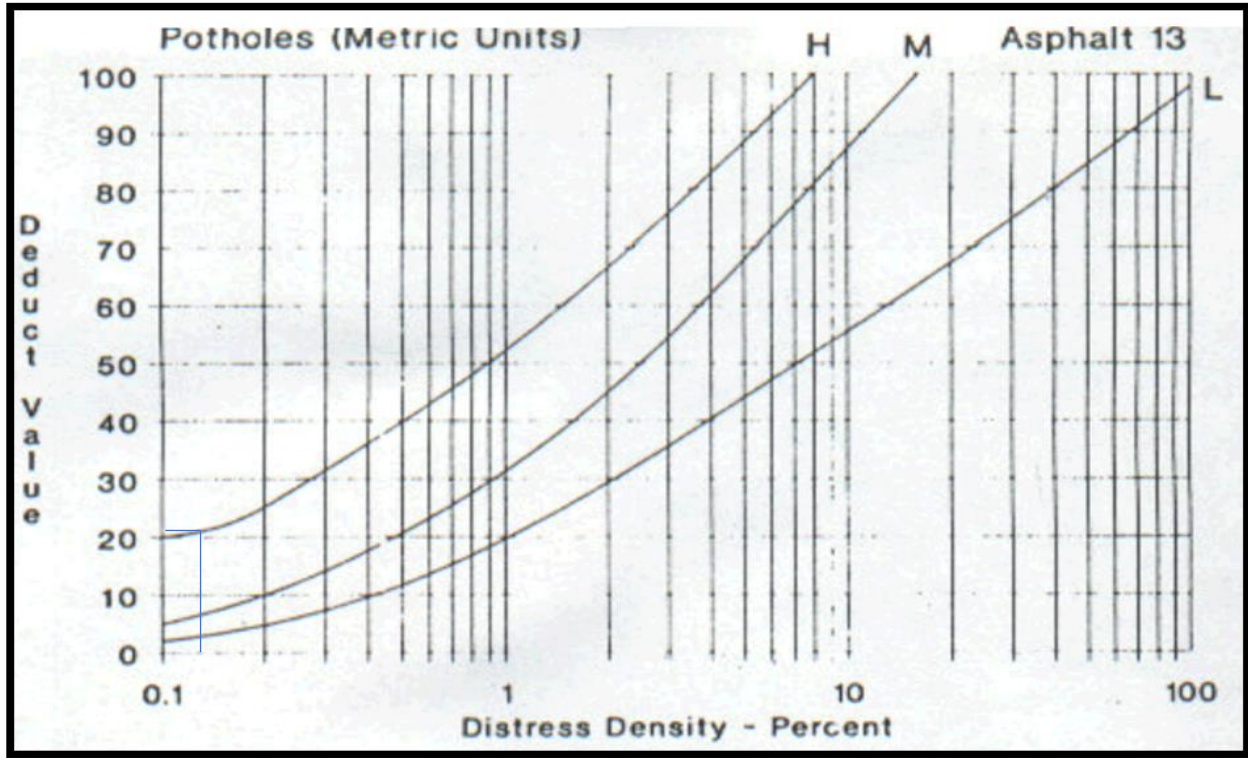
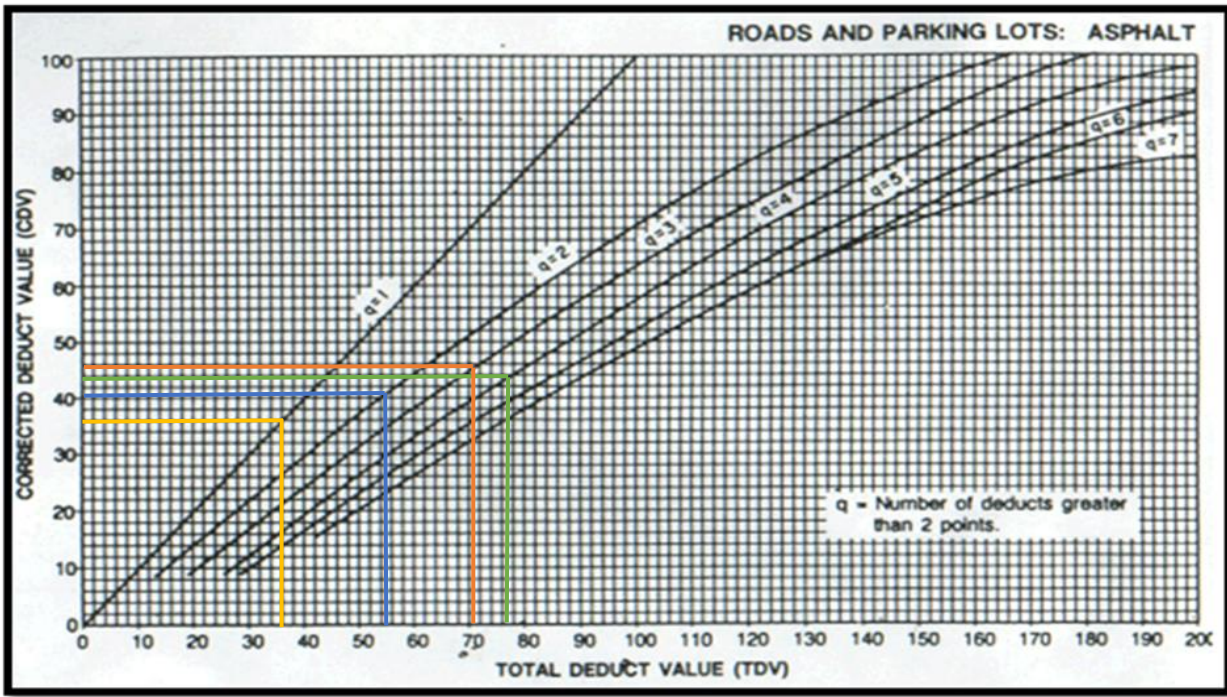
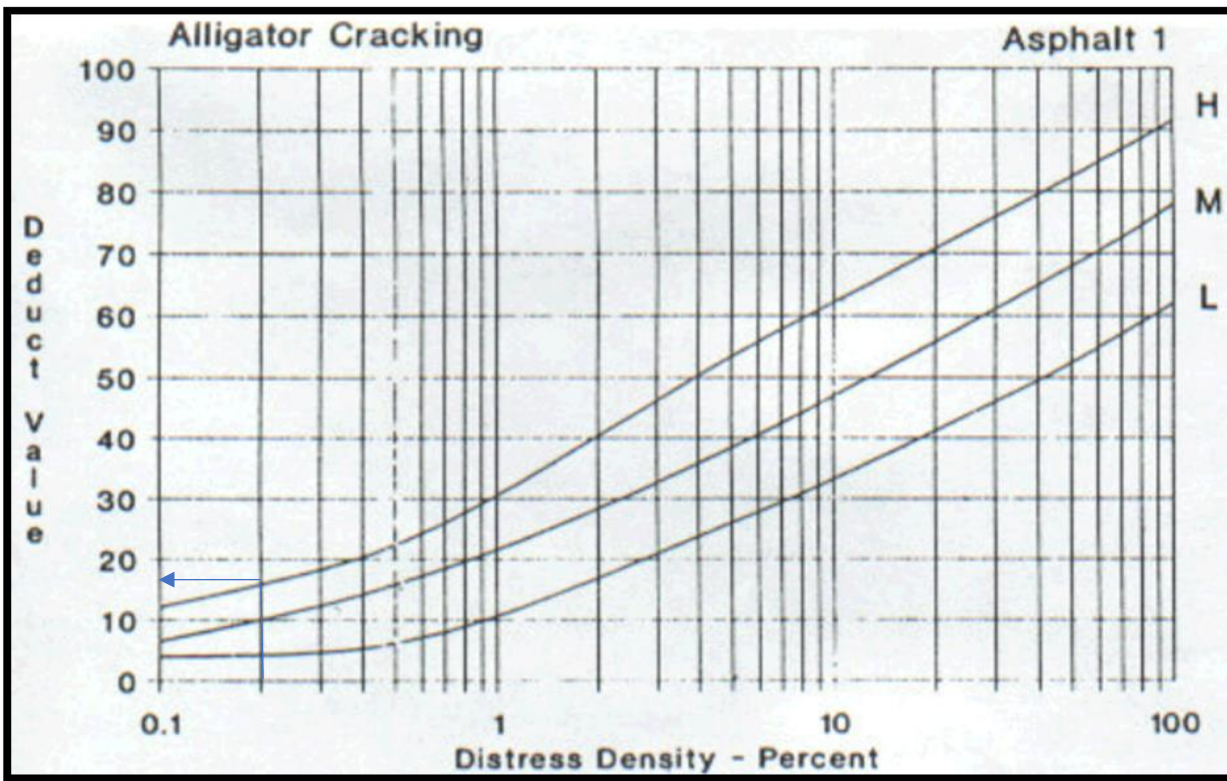
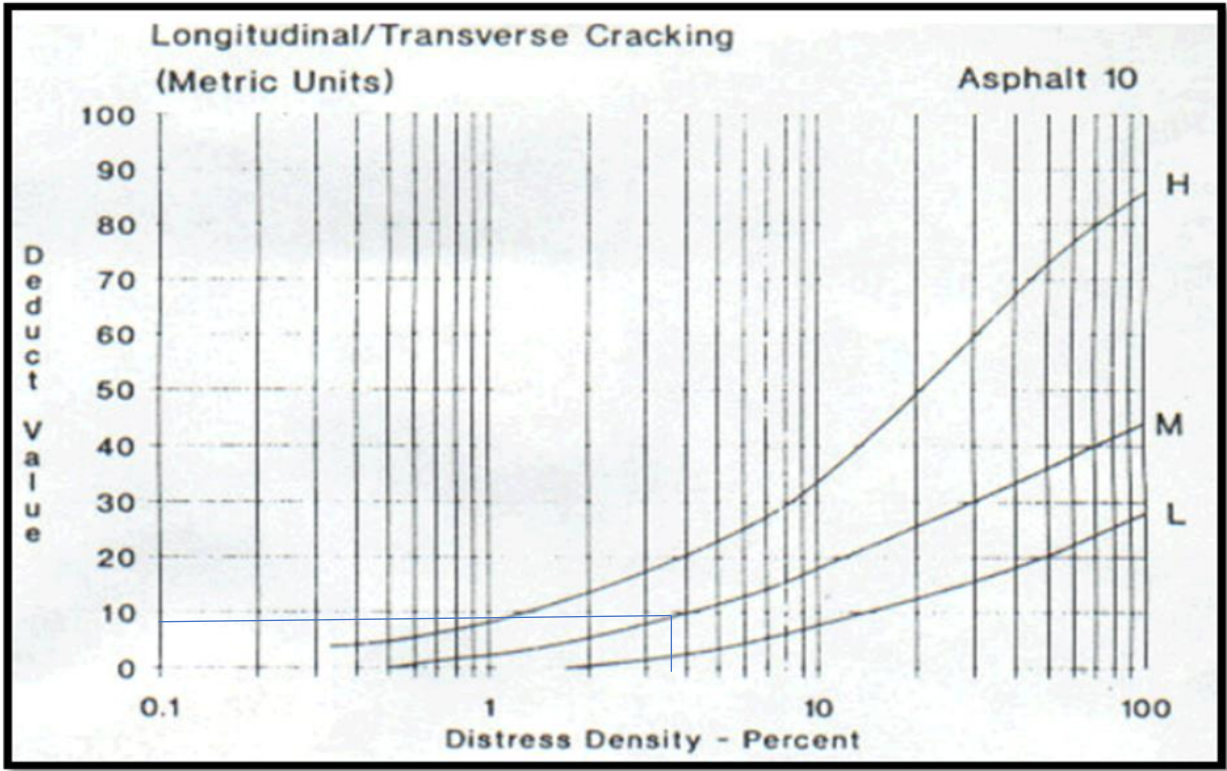
| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |                               |  |                    |                               |  |  |  |  |
|----------------------------------------------------|-------------------------------|--|--------------------|-------------------------------|--|------------------------------------------------------------------------------------|--|--|
| ZONA                                               | ABSCISA INICIAL               |  | UNIDAD DE MUESTREO |                               |  |                                                                                    |  |  |
| Villavicencio/Meta                                 | K1+202,3                      |  | 10                 |                               |  |                                                                                    |  |  |
| CODIGO VIA                                         | ABSCISA FINAL                 |  | AREA MUESTREO (m2) |                               |  |                                                                                    |  |  |
|                                                    | K1+233,8                      |  | 330,75             |                               |  |                                                                                    |  |  |
| INSPECCIONADA POR                                  |                               |  | FECHA              |                               |  |                                                                                    |  |  |
| Alexander Parrado - Anderson Nieto                 |                               |  | 16/7/2020          |                               |  |                                                                                    |  |  |
| No.                                                | Daño                          |  | No.                | Daño                          |  |                                                                                    |  |  |
| 1                                                  | Piel de cocodrilo.            |  | 11                 | Parcheo.                      |  |                                                                                    |  |  |
| 2                                                  | Exudacion.                    |  | 12                 | Pulimento de agregados.       |  |                                                                                    |  |  |
| 3                                                  | Agrietamiento en bloque.      |  | 13                 | Huecos.                       |  |                                                                                    |  |  |
| 4                                                  | Abultamientos y hundimientos. |  | 14                 | Cruce de via ferrea.          |  |                                                                                    |  |  |
| 5                                                  | Corrugacion.                  |  | 15                 | Ahuellamiento.                |  |                                                                                    |  |  |
| 6                                                  | Depresion.                    |  | 16                 | Desplazamiento.               |  |                                                                                    |  |  |
| 7                                                  | Grieta de borde.              |  | 17                 | Grieta parabolica (slippage). |  |                                                                                    |  |  |
| 8                                                  | Grieta de reflexion de junta. |  | 18                 | Hinchamiento.                 |  |                                                                                    |  |  |
| 9                                                  | Desnivel carril / Berma.      |  | 19                 | Desprendimiento de agre       |  |                                                                                    |  |  |
| 10                                                 | Grietas long y transversal.   |  |                    |                               |  |                                                                                    |  |  |

| Foto               | Daño | Severidad | Cantidades parciales |           |           | Total | Densidad (%) | Valor deducido |
|--------------------|------|-----------|----------------------|-----------|-----------|-------|--------------|----------------|
|                    |      |           | Longitud (m)         | Ancho (m) | Area (m2) |       |              |                |
| <a href="#">46</a> | 10   | M         | 6                    | 2         | 12        | 12,66 | 3,828%       | 8              |
| <a href="#">47</a> | 10   | M         | 1,1                  | 0,6       | 0,66      |       |              |                |
| <a href="#">48</a> | 13   | H         | 0,75                 | 0,6       | 0,45      | 0,45  | 0,136%       | 21             |
| <a href="#">49</a> | 11   | H         | 5                    | 2,1       | 10,5      | 10,5  | 3,175%       | 30             |
| <a href="#">50</a> | 1    | H         | 1,2                  | 0,6       | 0,72      | 0,72  | 0,218%       | 18             |

|                             |         |         |
|-----------------------------|---------|---------|
| Numero maximo admisible (m) | 7,42857 | 8,00000 |
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |    |    |   |       |   |     |
|---------------------------------------------------------------|-------------------|----|----|---|-------|---|-----|
| No.                                                           | Valores Deducidos |    |    |   | Total | q | CVD |
| 1                                                             | 30                | 21 | 18 | 8 | 77    | 4 | 44  |
| 2                                                             | 30                | 21 | 18 | 2 | 71    | 3 | 46  |
| 3                                                             | 30                | 21 | 2  | 2 | 55    | 2 | 51  |
| 4                                                             | 30                | 2  | 2  | 2 | 36    | 1 | 36  |

|               |         |
|---------------|---------|
| MAX CVD       | 51      |
| PCI           | 49      |
| CLASIFICACION | REGULAR |





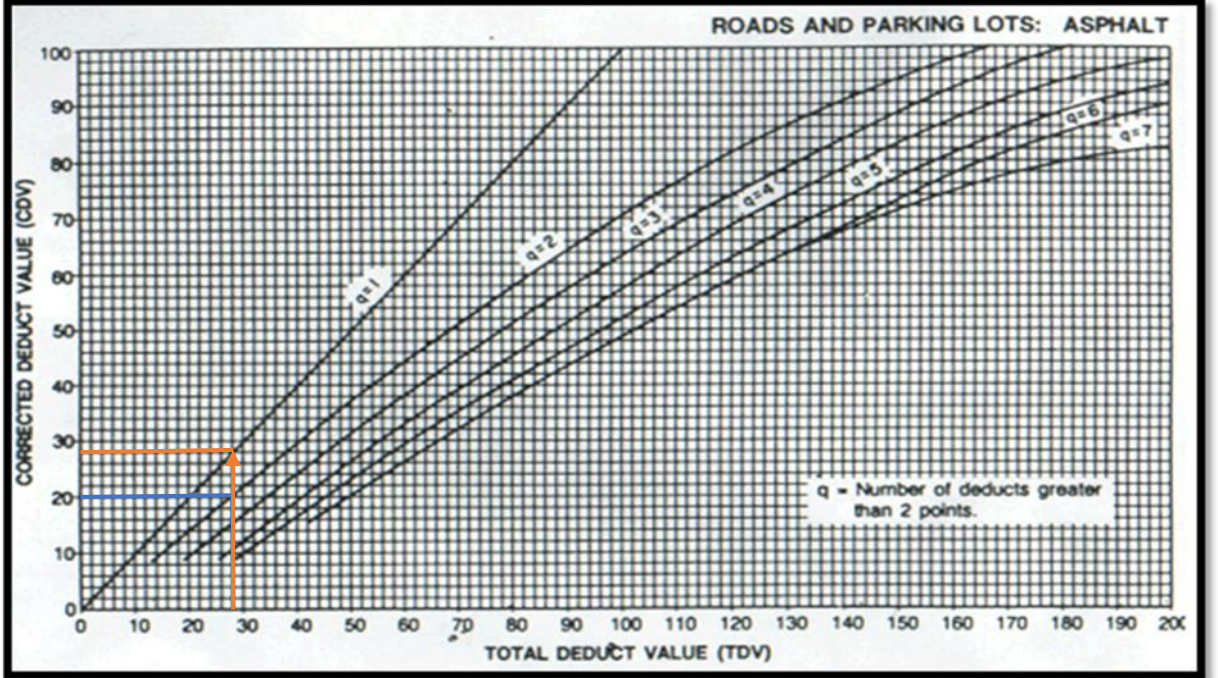
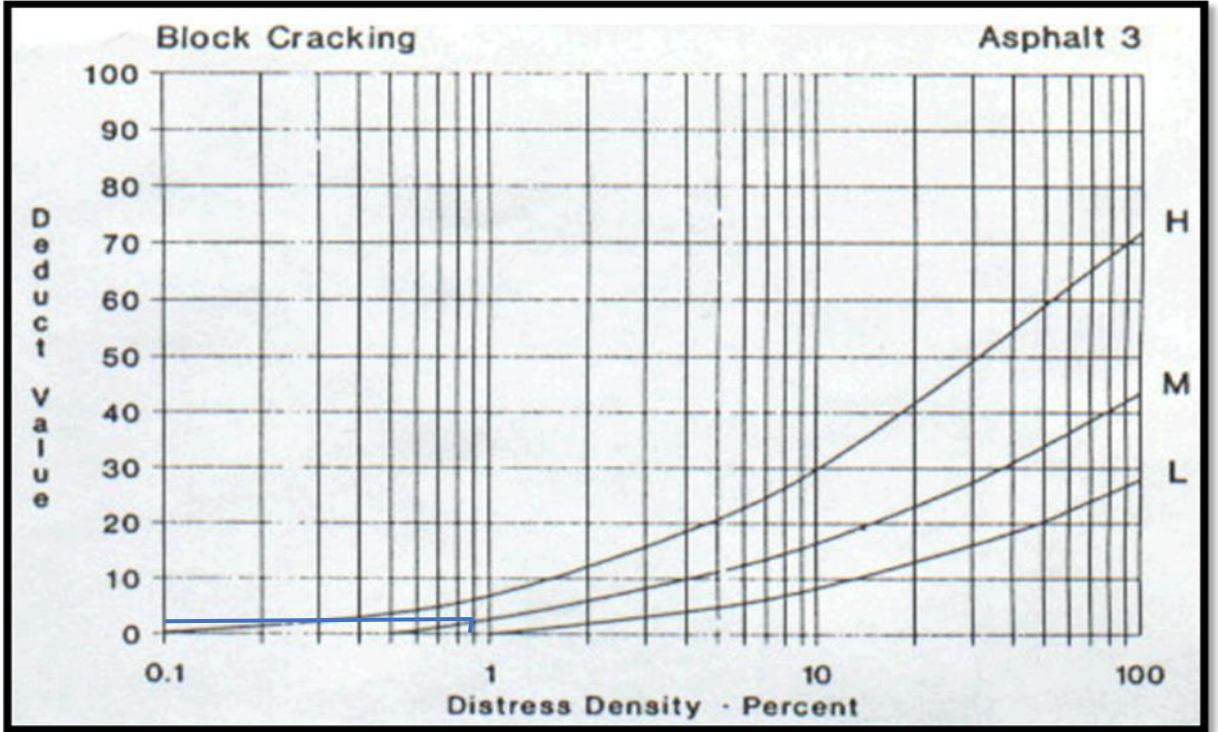
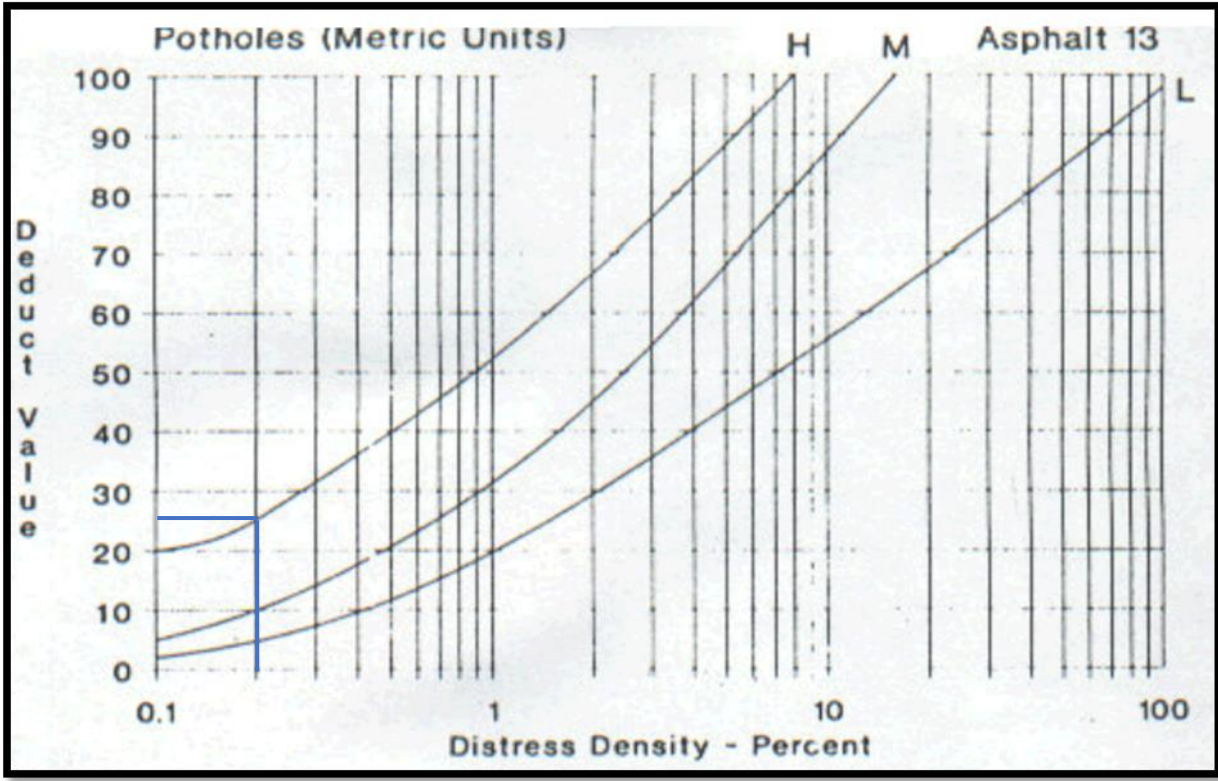
| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |                               |                 |     |                            |  | ESQUEMA                                                                             |  |  |
|----------------------------------------------------|-------------------------------|-----------------|-----|----------------------------|--|-------------------------------------------------------------------------------------|--|--|
| ZONA                                               |                               | ABSCISA INICIAL |     | UNIDAD DE MUESTREO         |  |  |  |  |
| Villavicencio/Meta                                 |                               | K1+335,9        |     | 11                         |  |                                                                                     |  |  |
| CODIGO VIA                                         |                               | ABSCISA FINAL   |     | AREA MUESTREO (m2)         |  |                                                                                     |  |  |
|                                                    |                               | K1+367,4        |     | 330,75                     |  |                                                                                     |  |  |
| INSPECCIONADA POR                                  |                               |                 |     | FECHA                      |  |                                                                                     |  |  |
| Alexander Parrado - Anderson Nieto                 |                               |                 |     | 16/7/2020                  |  |                                                                                     |  |  |
| No.                                                | Daño                          |                 | No. | Daño                       |  |                                                                                     |  |  |
| 1                                                  | Piel de cocodrilo.            |                 | 11  | Parcheo.                   |  |                                                                                     |  |  |
| 2                                                  | Exudacion.                    |                 | 12  | Pulimento de agregados.    |  |                                                                                     |  |  |
| 3                                                  | Agrietamiento en bloque.      |                 | 13  | Huecos.                    |  |                                                                                     |  |  |
| 4                                                  | Abultamientos y hundimiento   |                 | 14  | Cruce de via ferrea.       |  |                                                                                     |  |  |
| 5                                                  | Corrugacion.                  |                 | 15  | Ahuellamiento.             |  |                                                                                     |  |  |
| 6                                                  | Depresion.                    |                 | 16  | Desplazamiento.            |  |                                                                                     |  |  |
| 7                                                  | Grieta de borde.              |                 | 17  | Grieta parabolica (slippag |  |                                                                                     |  |  |
| 8                                                  | Grieta de reflexion de junta. |                 | 18  | Hinchamiento.              |  |                                                                                     |  |  |
| 9                                                  | Desnivel carril / Berma.      |                 | 19  | Desprendimiento de agre    |  |                                                                                     |  |  |
| 10                                                 | Grietas long y transversal.   |                 |     |                            |  |                                                                                     |  |  |

| Foto               | Daño | Severidad | Cantidades parciales |           |           | Total | (%)    | deducido |
|--------------------|------|-----------|----------------------|-----------|-----------|-------|--------|----------|
|                    |      |           | Longitud (m)         | Ancho (m) | Area (m2) |       |        |          |
| <a href="#">51</a> | 3    | M         | 1,4                  | 1,6       | 2,24      | 2,96  | 0,895% | 2        |
| <a href="#">52</a> | 13   | H         | 0,5                  | 0,5       | 0,25      | 0,687 | 0,208% | 26       |
| <a href="#">53</a> | 13   | H         | 0,35                 | 0,22      | 0,077     |       |        |          |
| <a href="#">54</a> | 13   | H         | 0,6                  | 0,6       | 0,36      |       |        |          |
| <a href="#">55</a> | 3    | M         | 1,2                  | 0,6       | 0,72      |       |        |          |

|                             |         |         |
|-----------------------------|---------|---------|
| Numero maximo admisible (m) | 7,79592 | 8,00000 |
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |    |   |       |   |     |
|---------------------------------------------------------------|-------------------|----|---|-------|---|-----|
| No.                                                           | Valores Deducidos |    |   | Total | q | CVD |
| 1                                                             | 26                | 2  | 8 | 36    | 2 | 20  |
| 2                                                             | 26                | 20 | 2 | 48    | 1 | 28  |
|                                                               |                   |    |   |       |   |     |

|               |           |
|---------------|-----------|
| MAX CVD       | 28        |
| PCI           | 72        |
| CLASIFICACION | MUY BUENO |





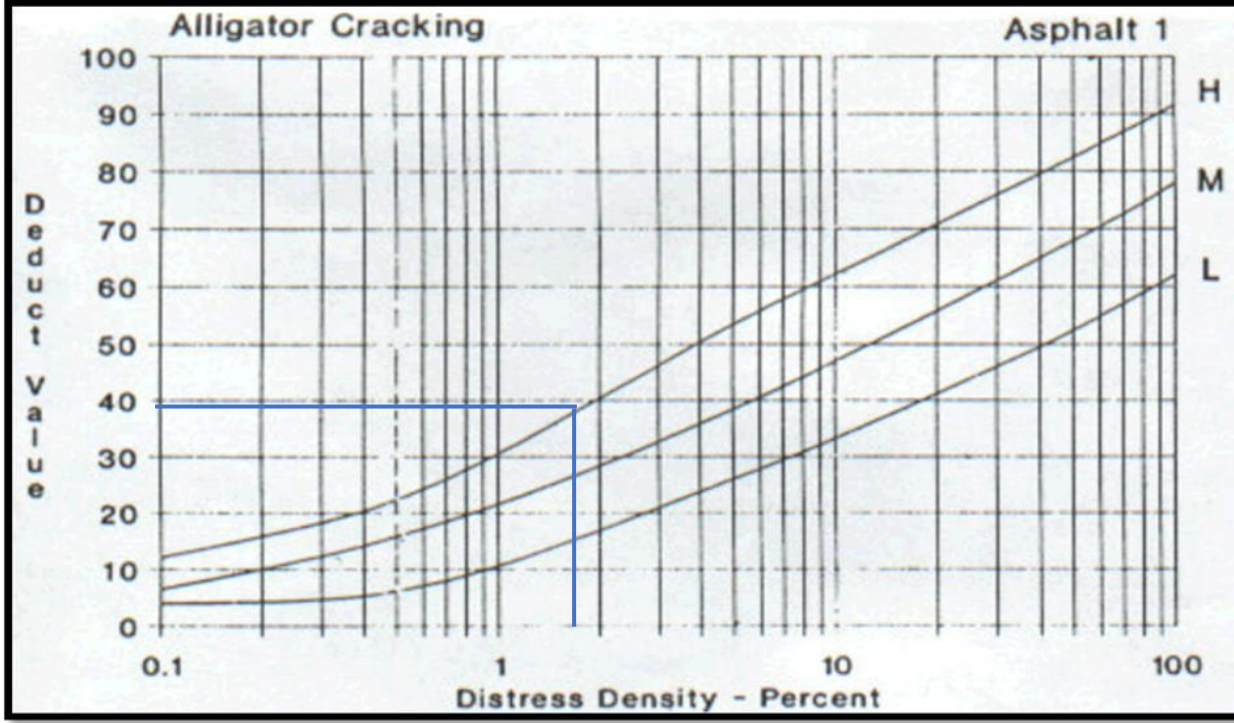
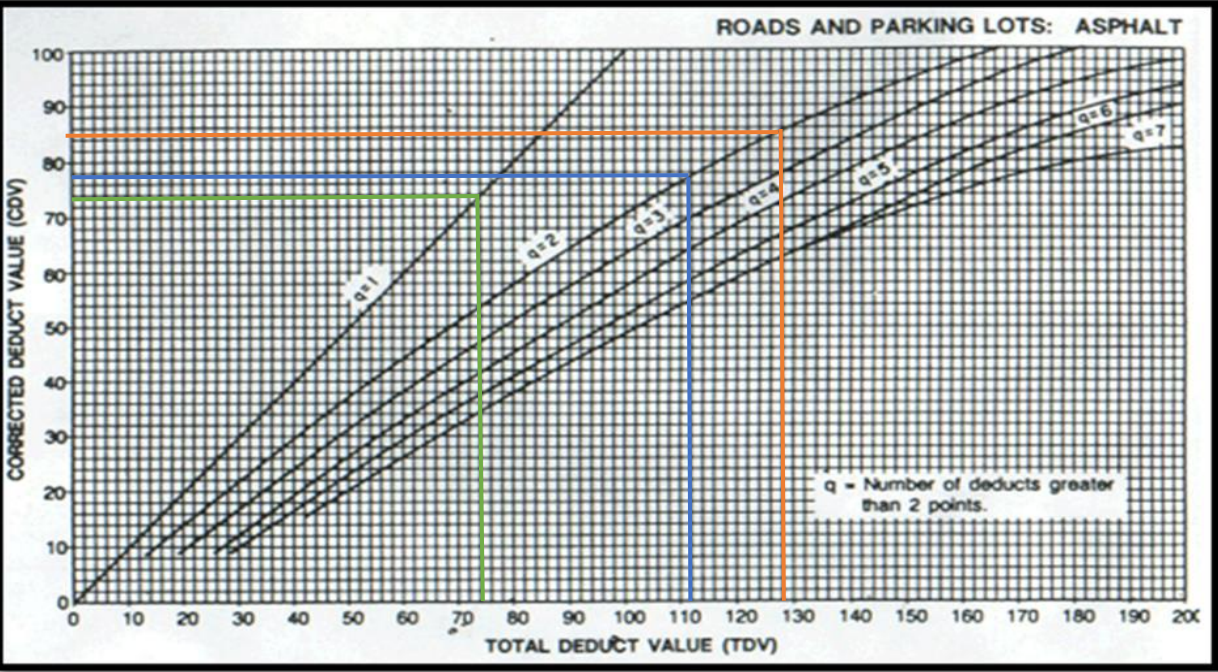
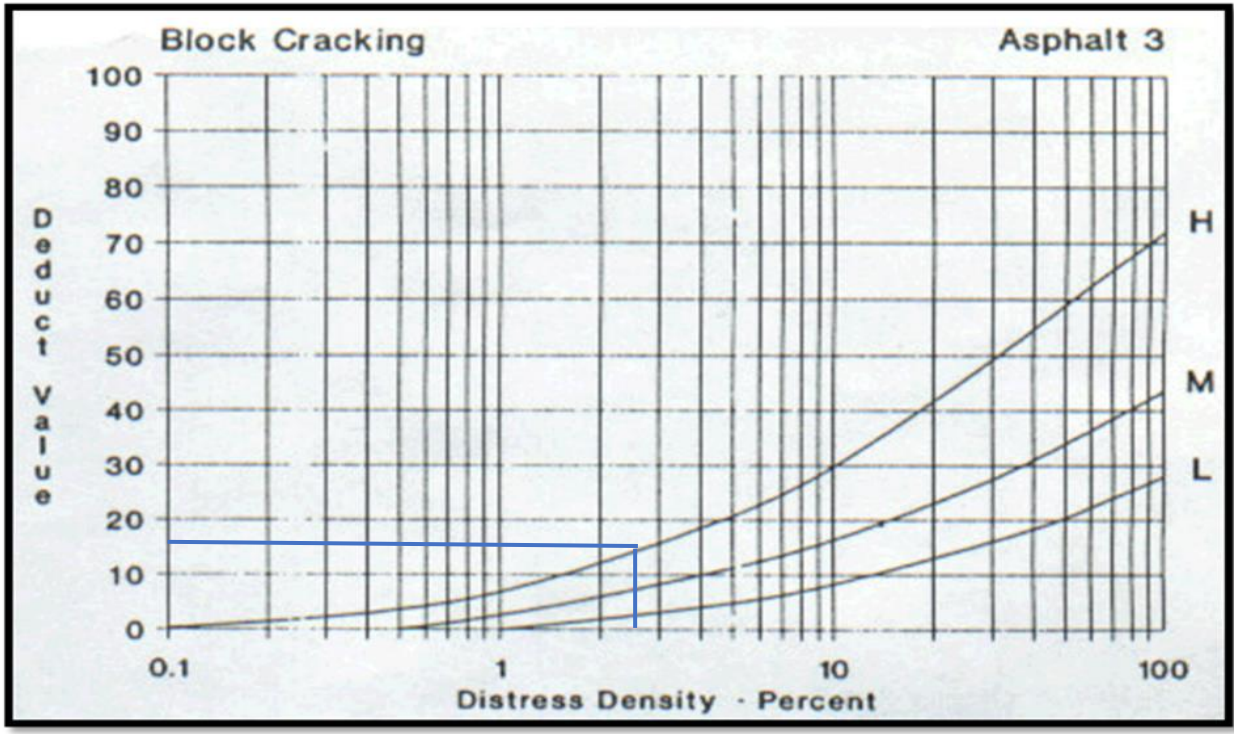
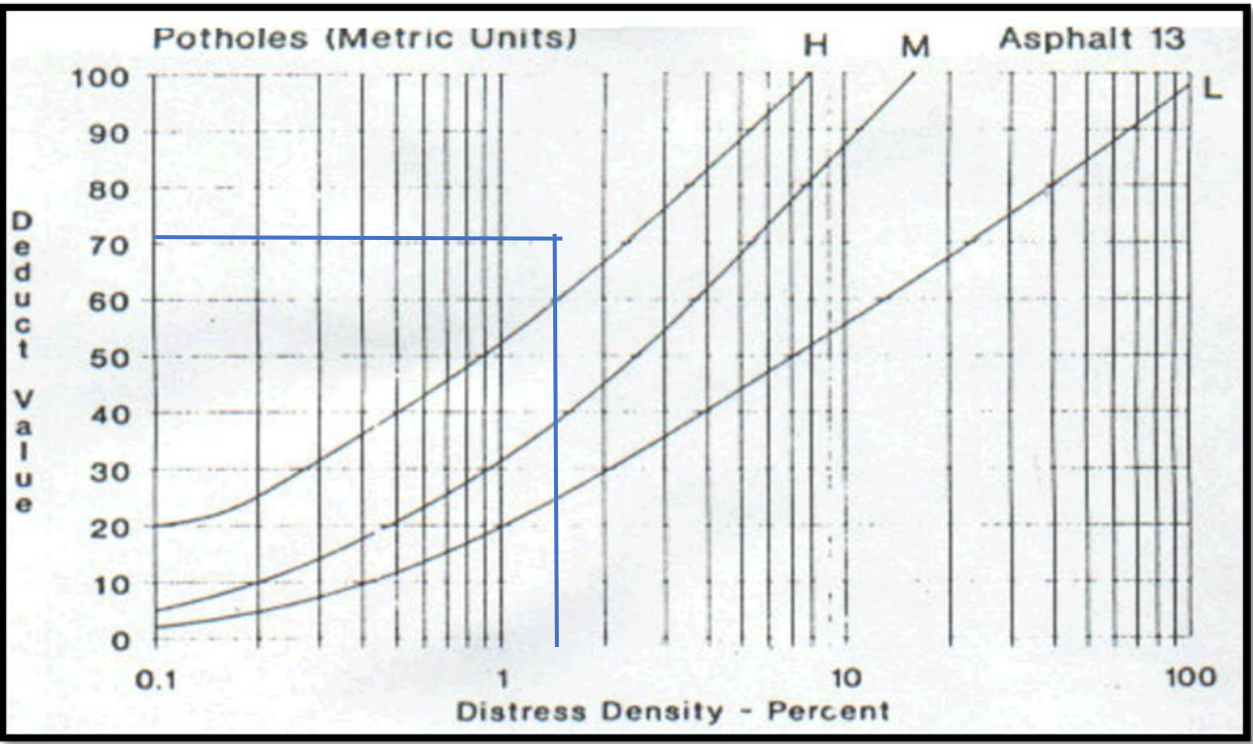
| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |                               |  |                    |                            |  | ESQUEMA                                                                             |  |  |
|----------------------------------------------------|-------------------------------|--|--------------------|----------------------------|--|-------------------------------------------------------------------------------------|--|--|
| ZONA                                               | ABSCISA INICIAL               |  | UNIDAD DE MUESTREO |                            |  |  |  |  |
| Villavicencio/Meta                                 | K1+469,5                      |  | 12                 |                            |  |                                                                                     |  |  |
| CODIGO VIA                                         | ABSCISA FINAL                 |  | AREA MUESTREO (m2) |                            |  |                                                                                     |  |  |
|                                                    | K1+501,0                      |  | 330,75             |                            |  |                                                                                     |  |  |
| INSPECCIONADA POR                                  |                               |  | FECHA              |                            |  |                                                                                     |  |  |
| Alexander Parrado - Anderson Nieto                 |                               |  | 16/7/2020          |                            |  |                                                                                     |  |  |
| No.                                                | Daño                          |  | No.                | Daño                       |  |                                                                                     |  |  |
| 1                                                  | Piel de cocodrilo.            |  | 11                 | Parcheo.                   |  |                                                                                     |  |  |
| 2                                                  | Exudacion.                    |  | 12                 | Pulimento de agregados.    |  |                                                                                     |  |  |
| 3                                                  | Agrietamiento en bloque.      |  | 13                 | Huecos.                    |  |                                                                                     |  |  |
| 4                                                  | Abultamientos y hundimientos. |  | 14                 | Cruce de via ferrea.       |  |                                                                                     |  |  |
| 5                                                  | Corrugacion.                  |  | 15                 | Ahuellamiento.             |  |                                                                                     |  |  |
| 6                                                  | Depresion.                    |  | 16                 | Desplazamiento.            |  |                                                                                     |  |  |
| 7                                                  | Grieta de borde.              |  | 17                 | Grieta parabolica (slippag |  |                                                                                     |  |  |
| 8                                                  | Grieta de reflexion de junta. |  | 18                 | Hinchamiento.              |  |                                                                                     |  |  |
| 9                                                  | Desnivel carril / Berma.      |  | 19                 | Desprendimiento de agre    |  |                                                                                     |  |  |
| 10                                                 | Grietas long y transversal.   |  |                    |                            |  |                                                                                     |  |  |

| Foto               | Daño | Severidad | Cantidades parciales |           |           | Total | (%)    | deducido |
|--------------------|------|-----------|----------------------|-----------|-----------|-------|--------|----------|
|                    |      |           | Longitud (m)         | Ancho (m) | Area (m2) |       |        |          |
| <a href="#">56</a> | 3    | H         | 0,4                  | 0,5       | 0,2       | 8,87  | 2,682% | 18       |
| <a href="#">57</a> | 3    | H         | 0,7                  | 0,1       | 0,07      |       |        |          |
| <a href="#">58</a> | 13   | H         | 0,75                 | 1,6       | 1         | 5     | 1,512% | 71       |
| <a href="#">59</a> | 13   | H         | 2                    | 2         | 4         |       |        |          |
| <a href="#">60</a> | 1    | H         | 1,8                  | 2         | 3,6       | 3,6   | 1,088% | 39       |

| Numero maximo admisible (m) | 3,66327 | 4,00000 |
|-----------------------------|---------|---------|
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |    |    |       |     |
|---------------------------------------------------------------|-------------------|----|----|-------|-----|
| No.                                                           | Valores Deducidos |    |    | Total | CVD |
| 1                                                             | 71                | 39 | 18 | 128   | 85  |
| 2                                                             | 71                | 39 | 2  | 112   | 78  |
| 3                                                             | 71                | 2  | 2  | 75    | 74  |

|               |          |
|---------------|----------|
| MAX CVD       | 85       |
| PCI           | 15       |
| CLASIFICACION | MUY MALO |





| EXPLORACION DE LA CONDICION POR UNIDAD DE MUESTREO |                             |                 |                      |                           |           | ESQUEMA |        |          |
|----------------------------------------------------|-----------------------------|-----------------|----------------------|---------------------------|-----------|---------|--------|----------|
| ZONA                                               |                             | ABSCISA INICIAL |                      | UNIDAD DE MUESTREO        |           |         |        |          |
| Villavicencio/Meta                                 |                             | K1+603,1        |                      | 13                        |           |         |        |          |
| CODIGO VIA                                         |                             | ABSCISA FINAL   |                      | AREA MUESTREO (m2)        |           |         |        |          |
|                                                    |                             | K1+635          |                      | 330,75                    |           |         |        |          |
| INSPECCIONADA POR                                  |                             |                 |                      | FECHA                     |           |         |        |          |
| Alexander Parrado - Anderson Nieto                 |                             |                 |                      | 16/7/2020                 |           |         |        |          |
| No.                                                | Daño                        |                 | No.                  | Daño                      |           |         |        |          |
| 1                                                  | Piel de cocodrilo.          |                 | 11                   | Parcheo.                  |           |         |        |          |
| 2                                                  | Exudacion.                  |                 | 12                   | Pulimento de agregados    |           |         |        |          |
| 3                                                  | Agrietamiento en bloque     |                 | 13                   | Huecos.                   |           |         |        |          |
| 4                                                  | Abultamientos y hundim      |                 | 14                   | Cruce de via ferrea.      |           |         |        |          |
| 5                                                  | Corrugacion.                |                 | 15                   | Ahuellamiento.            |           |         |        |          |
| 6                                                  | Depresion.                  |                 | 16                   | Desplazamiento.           |           |         |        |          |
| 7                                                  | Grieta de borde.            |                 | 17                   | Grieta parabolica (slippa |           |         |        |          |
| 8                                                  | Grieta de reflexion de jur  |                 | 18                   | Hinchamiento.             |           |         |        |          |
| 9                                                  | Desnivel carril / Berma.    |                 | 19                   | Desprendimiento de agr    |           |         |        |          |
| 10                                                 | Grietas long y transversal. |                 |                      |                           |           |         |        |          |
| Foto                                               | Daño                        | Severidad       | Cantidades parciales |                           |           | Total   | (%)    | deducido |
|                                                    |                             |                 | Longitud (m)         | Ancho (m)                 | Area (m2) |         |        |          |
| <a href="#">61</a>                                 | 13                          | H               | 0,6                  | 0,6                       | 0,36      | 0,76    | 0,230% | 29       |
| <a href="#">62</a>                                 | 13                          | H               | 0,5                  | 0,8                       | 0,4       |         |        |          |
| <a href="#">63</a>                                 | 10                          | H               | 1,2                  | 0,7                       | 0,84      | 7,34    | 2,219% | 16       |
| <a href="#">64</a>                                 | 10                          | H               | 1,6                  | 2                         | 3,2       |         |        |          |
| <a href="#">65</a>                                 | 11                          | H               | 2,2                  | 1,5                       | 3,3       | 3,3     | 0,998% | 19       |

|                             |         |         |
|-----------------------------|---------|---------|
| Numero maximo admisible (m) | 7,52041 | 8,00000 |
|-----------------------------|---------|---------|

| FORMATO PARA LA OBTENCION DEL MAXIMO VALOR DEDUCIDO CORREGIDO |                   |    |    |       |   |     |
|---------------------------------------------------------------|-------------------|----|----|-------|---|-----|
| No.                                                           | Valores Deducidos |    |    | Total | q | CVD |
| 1                                                             | 29                | 19 | 16 | 64    | 3 | 42  |
| 2                                                             | 29                | 19 | 2  | 50    | 2 | 38  |
| 3                                                             | 29                | 2  | 2  | 33    | 1 | 34  |

|               |       |
|---------------|-------|
| MAX CVD       | 42    |
| PCI           | 58    |
| CLASIFICACION | BUENO |

