**REPÚBLICA FEDERATIVA DO BRASIL**

**MINISTÉRIO DA INFRAESTRUTURA  
DEPARTAMENTO NACIONAL DE INFRAESTRUTURA DE TRANSPORTES – DNIT**

**RELATÓRIO DE SUPERVISÃO - BR-LEGAL**

Rodovias :

Extensão Total:

Empresa :

**RELATÓRIO PERMANENTE**

**VOLUME 1 - RELATÓRIO PRINCIPAL**

**PERÍODO:**

Março de 2022

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# SUPERVISÃO

## Dados contratuais

|  |  |
| --- | --- |
| Edital nº: |  |
| Extensão (km): |  |
| Modalidade da Licitação: |  |
| Data da Licitação: |  |
| Data Base: |  |
| Data da Publicação do Resultado no DOU: |  |
| Número do Contrato: |  |
| Data de Assinatura do Contrato: |  |
| Data de Publicação no DOU: |  |
| Ordem de Início dos Serviços: |  |
| Data de Término Atualizada: |  |
| Prazo de Vigência: |  |
| Prazo Restante: |  |
| Prazo de Execução: |  |
| Número do Processo Administrativo Base: |  |
| Fiscal do Contrato: |  |
| Engenheiro Coordenador: |  |
|  |  |

## Relação das rodovias supervisionadas

Indicar quais os lotes, rodovias, trechos e a extensão, que estarão sob a fiscalização da supervisora, conforme apresentado na Tabela 1.

Tabela – Dados das Rodovias.



## Cronograma financeiro

O Cronograma Financeiro da Supervisora conterá, além da previsão, a execução dos desembolsos efetivamente executados, permitindo um confronto entre o planejado e o realizado.

Este documento deve seguir o modelo anexo, contendo os valores mensais previstos e executados por famílias de serviços. Deve-se consolidar os valores e percentuais, previstos e executados mensalmente e também apresentá-los acumulados ao longo do período de contrato da Supervisora.

A seguir, na Tabela 2, é apresentado o modelo do cronograma financeiro.

Tabela – Cronograma Financeiro.



## Curva “S”

A Curva “S” permite a análise gráfica da execução financeira da obra em um estudo comparativo entre o previsto e o executado, visualizando-se os desvios do projeto. O gráfico deve seguir modelo anexo e deverá ser construído a partir da inserção de valores nas linhas de Valores Previstos e Valores Executados, sendo estes dados obtidos do cronograma financeiro da supervisora, no produto referente a Supervisão da Execução dos Programas de Sinalização e Segurança Rodoviária.

A seguir, na Tabela 3, é apresentado o modelo de gráfico com a Curva “S”.

Tabela – Curva “S”.



## Relação de equipamentos

A relação de equipamentos deverá informar todos os equipamentos, veículos e máquinas utilizados pela supervisora no período que trata o relatório, assim como os previstos na fase de planejamento para eventuais comparações. Também deverá informar os equipamentos acumulados desde o início do contrato e o saldo restante.

É apresentada, na Tabela 4, o modelo da relação de equipamentos da supervisora.

Tabela – Relação de Equipamentos.



## Relação de equipe de supervisão alocada

A relação de equipe deverá informar todas as equipes que trabalharam pela supervisora no período que trata o relatório, assim como o pessoal previsto na fase de planejamento para eventuais comparações. Também deverá informar as equipes acumuladas desde o início do contrato e o saldo restante.

É apresentada, na Tabela 5, o modelo de relação dos profissionais das equipes de supervisão.

Tabela – Relação de Equipe.

## Apresentação das ART’s dos profissionais de engenharia envolvidos na supervisão dos serviços executados, considerando os diferentes tipos de serviços.

# EMPRESAS SUPERVISIONADAS

## Mapa de localização

Deverá ser apresentado o mapa do estado com a localização das rodovias abrangidas pelo programa BR-LEGAL, sob cobertura da supervisora, conforme Figura 1.

Mapa

Descrição gerada automaticamente

Figura – Mapa de Localização.

Deverá ser apresentada também uma tabela com as informações detalhadas sobre as rodovias abrangidas pelo programa BR-LEGAL, sob cobertura da supervisora.

A Tabela 6 apresenta o modelo a ser seguido.

Tabela – Dados das rodovias.



## Mapa de frente liberada

![Mapa

Descrição gerada automaticamente](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4SR+RXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIyOjAzOjEwIDEzOjUzOjA0AAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAM5NwAAkpIAAgAAAAM5NwAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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oA+fv+Fr+Ff+hm0H/wADU/8AiqP+Fr+Ff+hm0H/wNT/4qvoH/hCNF/6A+l/+Aaf/ABNH/CEaL/0B9L/8A0/+JoA+fv8Aha/hX/oZtB/8DU/+Ko/4Wv4V/wChm0H/AMDU/wDiq+gf+EI0X/oD6X/4Bp/8TR/whGi/9AfS/wDwDT/4mgD5+/4Wv4V/6GbQf/A1P/iqP+Fr+Ff+hm0H/wADU/8Aiq+gf+EI0X/oD6X/AOAaf/E0f8IRov8A0B9L/wDANP8A4mgD5+/4Wv4V/wChm0H/AMDU/wDiqP8Aha3hU/8AMzaCPc3yAD64avoH/hCNF/6A+l/+Aaf/ABNH/CD6L/0B9L/8A0/+JoA+D/22LmbxAPh34/8AAOreFda8VfCXXn15dGuNbisl1uzkt2iurQT/ADLHI0Zyu4EcDOBzXrP7Nf7Y/g/9pL4C+FfHkOoaf4fXxLaG6bTby+iNxZOHZHifHG4MpyRgdMcGvpZ/A+ilD/xJ9Nz0/wCPRP8A4mmW/gHQ7dFjh0fS4415CpaIFHr2r53PMhp5g1UT5Wd2Fx0qOx5N/wALc8J/9DRoX/gan/xVH/C3PCf/AENGhf8Agan/AMVXr3/CD6P/ANAnTv8AwGT/AAo/4QfR/wDoE6d/4DJ/hXgf6jf9PfwO7+2n/KeQ/wDC3PCf/Q0aF/4Gp/8AFUn/AAtzwmf+Zo0H/wADU/8Aiq9f/wCEH0f/AKBOnf8AgMn+FH/CD6P/ANAnTv8AwGT/AAo/1G/6e/gH9tP+U8g/4W54T/6GjQf/AANT/wCKpG+LXhRgf+Ko0HOO98n+Newf8IPo/wD0CdO/8Bk/woPgfR/+gTpv/gMn+FL/AFH/AOnv4B/bT/lPk79qz4wwroPhhfDM/hnxFdL4gtriaCa6hJt44mLmaMnciyofubhydwyDyPU5vix4U8048TaB7YvouQfq3t6/XtXrw8F6OP8AmE6b/wCAyf4UjeCtGx/yCdNX6Wyf4VpLgu8UvafgSs2s72Pk7TPF2l+J/wDgp98O/wCzdTsdRMXgjVN32adZdn7+P72DX2MnIrP0/wAL6Zpl6txbafY29wq7BJFAqsB1xkDpWgOG619XleB+p0FQvc8zEVvay5rCucL/AIVWWSfL5jhX+585OfrxxVqivTMCKIvldwUNjnBzz+VS0UUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAB6V4f+1v/wAlH+B//Y9L/wCkN5Xt7HAqCezjuXjaSNJGhbcmV+6cY4NAE69PxNLTQeffrTqACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooA//9k=)Deverá ser apresentado um mapa do estado com a localização das rodovias cobertas pelo programa BR-LEGAL, bem como sua condição de receber as intervenções estabelecidas pelos projetos nos prazos determinados pelos cronogramas. É apresentado, na Figura 2, uma sugestão de modelo de mapa.

Figura - Mapa de Frente Liberada.

Deverá ser apresentada tabela complementar com informações detalhadas sobre as rodovias e suas extensões liberadas para intervenções do programa BR-LEGAL. A Tabela 7 apresenta modelo de planilha a ser preenchida.

Tabela – Frente liberada das rodovias.



## Notificações expedidas às empresas supervisionadas

A empresa supervisora deverá apresentar relação das não conformidades emitidas e seu status de atendimento. Abaixo, na Tabela 8, é apresentado planilha modelo para controle de não conformidades.

Tabela - Controle de Não Conformidade



# SUPERVISÃO

## Lote \_\_

Apresentar os dados das empresas supervisionadas separadamente por lote, contendo os subitens a seguir.

### Dados da Empresa

|  |  |
| --- | --- |
| Nome da Empresa: |  |
| Extensão (km): |  |
| Prazo de Execução: |  |
| Data Início: |  |
| Data Término: |  |

### Serviços Inspecionados

Os serviços serão inspecionados por meio da Ficha de Verificação de Conformidade (FVC), que consta em resumo na Tabela 9.

Tabela - Descrição dos Serviços Inspecionados.



### Retrorrefletividade

A empresa supervisora deverá avaliar a retrorrefletividade da sinalização horizontal, após sua implantação (inicial) e após determinado período de tempo (residual) definido pelo Termo de Referência.

#### Equipamento Dinâmico

Para obtenção da retrorrefletância utilizando, para isto, equipamento dinâmico, deverão ser seguidas as instruções contidas nas normas DNIT 409/2017 – PRO e ABNT NBR 16410. Abaixo na Tabela 10 e Figuras 3, 4 e 5 é apresentado modelo de planilha de retrorrefletividade utilizando equipamento dinâmico.

Tabela - Retrorrefletividade – Equipamento Dinâmico.



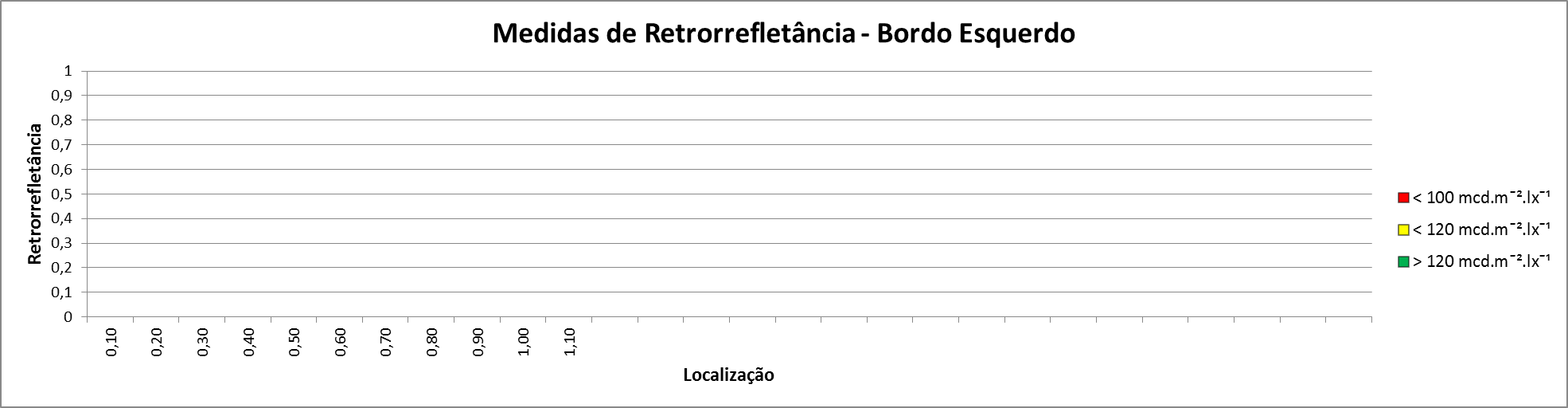


Figura – Retrorrefletância com equipamento de leitura dinâmica – Bordo Esquerdo.

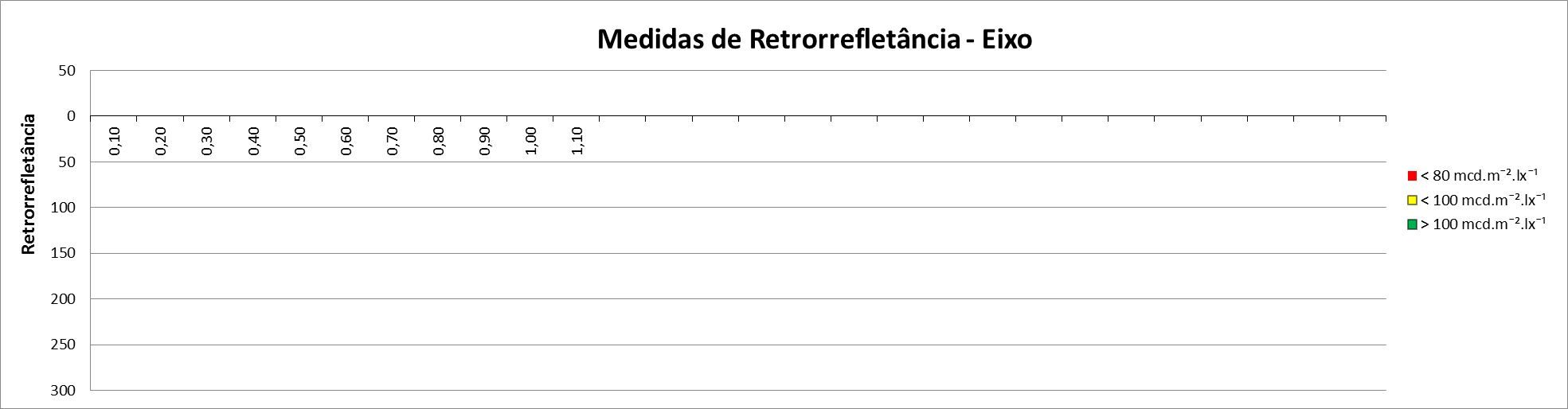


Figura – Retrorrefletância com equipamento de leitura dinâmica – Eixo.

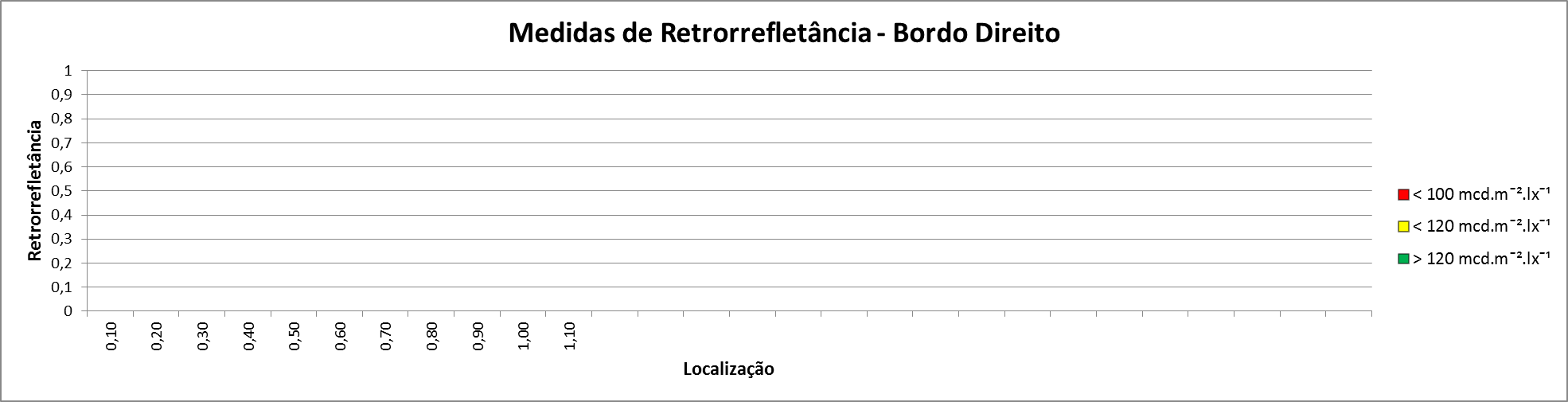


Figura – Retrorrefletância com equipamento de leitura dinâmica – Bordo Direito.

#### Equipamento Estático

Para obtenção da retrorrefletância, utilizando equipamento estático, a empresa supervisora deverá seguir as instruções contidas na norma ABNT NBR 14723. Abaixo na Tabela 11 e Figuras 6, 7 e 8 é apresentado modelo de planilha de retrorrefletividade utilizando equipamento estático.

Tabela – Retrorrefletividade – Equipamento Estático.



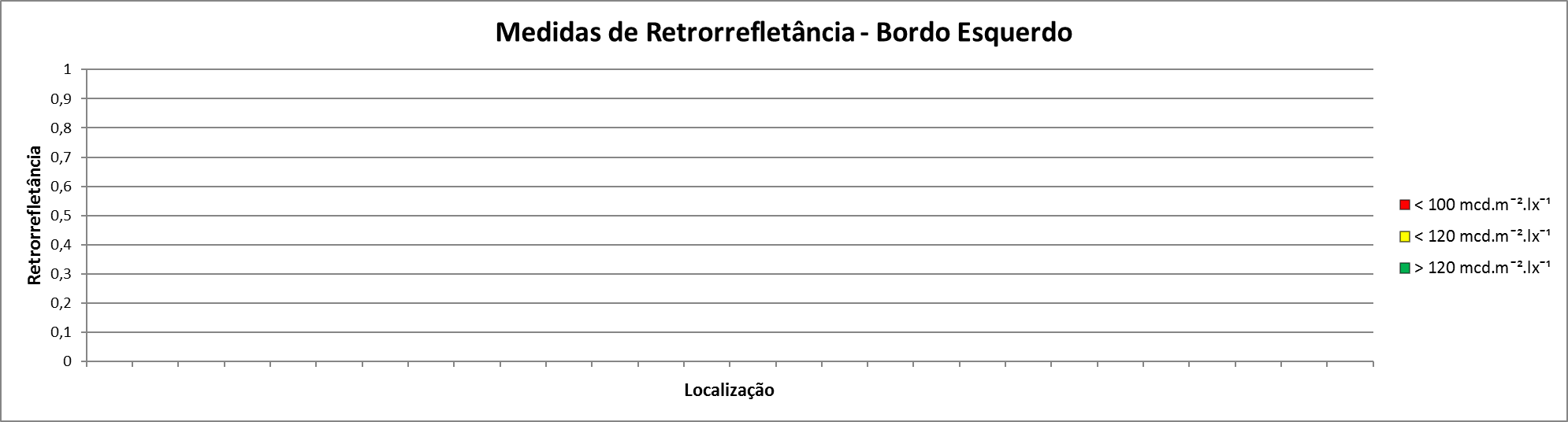


Figura - Retrorrefletância com equipamento de leitura estático – Bordo Esquerdo.

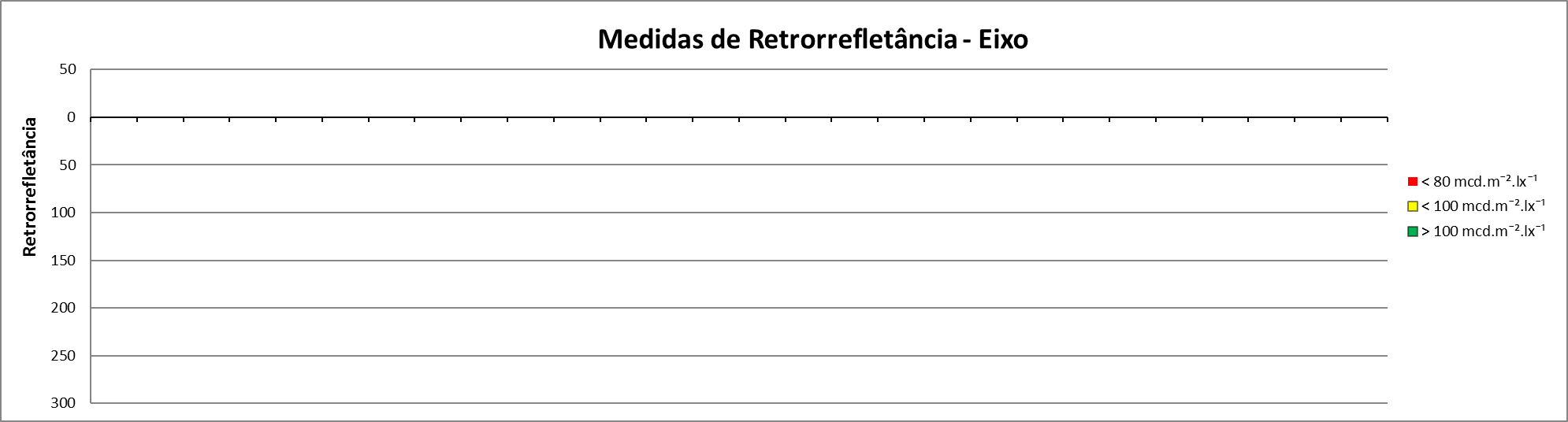


Figura - Retrorrefletância com equipamento de leitura estático – Eixo.

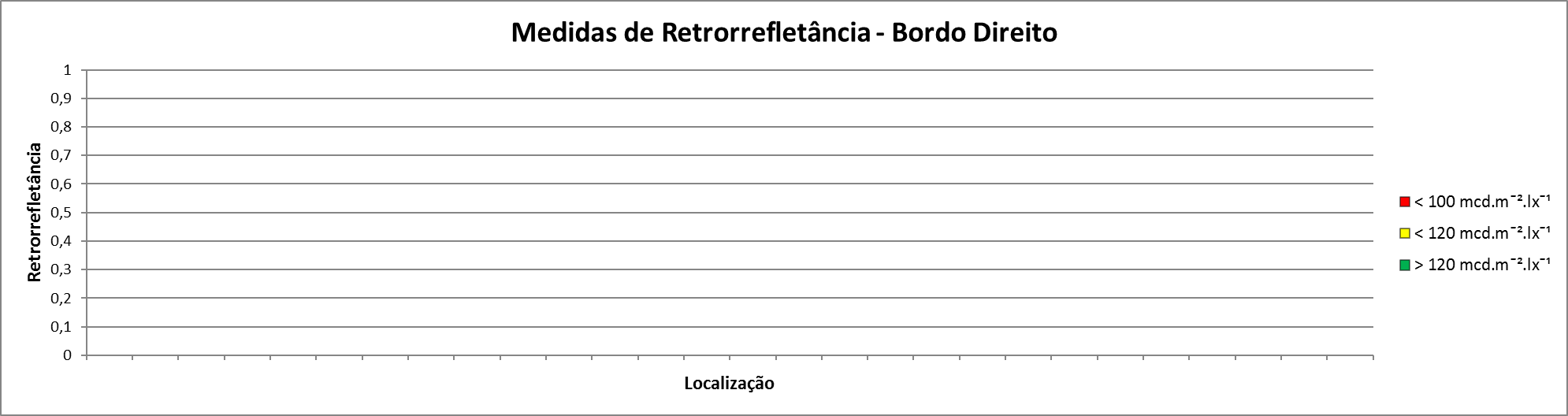


Figura - Retrorrefletância com equipamento de leitura estático – Bordo Direito.

### Controle de Reposição de Defensas

A empresa supervisora deverá apresentar controle de reposição de defensas ocorridas, conforme modelo da Tabela 12.

Tabela – Controle de reposição de defensas.



### Intervenções Realizadas

Deverão ser informadas as intervenções realizadas, no âmbito do programa BR-LEGAL, referentes a sinalização horizontal, sinalização vertical e dispositivos de segurança, dentro do mês de referência do relatório. Para isto seguem modelos de planilha a serem preenchidos nas Tabelas 13, 14, 15 e 16.

Tabela - Intervenções realizadas – Sinalização Horizontal 1 – SH1



Tabela - Intervenções realizadas – Sinalização Horizontal 2 – SH2



Tabela 15 - Intervenções realizadas – Sinalização Horizontal 3 – SH3



Tabela 6 - Intervenções realizadas – Sinalização Horizontal 4 – SH4



Tabela 17 - Intervenções realizadas – Sinalização Vertical 1 – SV1



Tabela 8 - Intervenções realizadas – Sinalização Vertical 2 – SV2  
  


### Checklist dos Serviços Verificados

Com o intuito de quantificar os serviços vistoriados e de avaliá-los quanto a sua condição de atendimento, a empresa supervisora deverá preencher o checklist apresentado na Tabela 19.

Tabela 19 - Checklist.



### Registro de Ajuste em Projeto

Caso seja necessário ajuste de projeto, a empresa supervisora deverá registrar os fatos neste item.

### Serviços não previstos

Neste item, deverá ser realizado uma descrição dos serviços não previstos, com a localização (Rodovia, SNV e km), fotos e documentos que motivaram a execução do serviço.

### Análise da Conformidade da Implantação do Projeto

A empresa supervisora deverá apresentar parecer dos serviços executados quanto ao atendimento ou não do projeto.

### Informações a Respeito de Eventos Relevantes

Nesta seção deverá ser feito o registro de fatos marcantes ou que estejam a exigir uma decisão do DNIT, ocorridos ao longo do período a que corresponde o relatório.

A supervisora deverá indicar o valor do empenho disponível para a executora e informar se as medições foram pagas a mesma.

Deverão ser sempre incluídos possíveis problemas identificados que possam vir a afetar o andamento dos serviços, incluindo sugestão para mitigá-los.

### Diagrama Unifilar

Deverá ser apresentado diagrama unifilar, como o apresentado na Tabela 20, informando as atividades previstas, os serviços iniciados, os serviços concluídos e as interferências existentes nos trechos.

Tabela - Diagrama Unifilar.  


### Diagrama Unifilar Acumulado

A empresa supervisora deverá apresentar o diagrama unifilar acumulado, informando os serviços executados seis meses antes do mês de referência do relatório, os serviços executados no mês e os serviços a serem executados até seis meses após o mês de referência do relatório. Como demonstrado no modelo da Tabela 21.

Tabela 21 - Diagrama Unifilar Acumulado.



### Cronograma financeiro

O Cronograma Financeiro da Empresa Executora conterá, além da previsão, a execução dos desembolsos efetivamente executados, permitindo um confronto entre o planejado e o realizado.

Este documento deve seguir o modelo anexo, contendo os valores mensais previstos e executados por famílias de serviços. Deve-se consolidar os valores e percentuais, previstos e executados mensalmente e também apresentá-los acumulados ao longo do período de contrato da Supervisora.

A seguir, na Tabela 22, é apresentado o modelo do cronograma financeiro a ser preenchido.

Tabela 22 – Cronograma Financeiro.



### Curva “S”

A Curva “S” permite a análise gráfica da execução financeira da obra em um estudo comparativo entre o previsto e o executado, visualizando-se os desvios do projeto. O gráfico deve seguir o modelo apresentado na Tabela 23 e deverá ser construído a partir da inserção de valores nas linhas de Valores Previstos e Valores Executados, sendo estes dados obtidos do cronograma financeiro e das medições emitidas respectivamente.

Tabela 23 – Curva “S”.



### Registro de Não Conformidades

Abaixo, na Tabela 24, é apresentado o registro de não conformidades que a supervisora deverá apresentar com fotos, data, coordenadas geográficas, km, SNV e descrição do serviço não conforme, além de sugestão para solução do problema.

Tabela 24 -Registro de não conformidade.



### Ficha de Verificação

Os serviços executados, no mês de referência do relatório, deverão ser avaliados conforme os critérios apresentados nas Fichas de Verificação de serviços

#### Ficha de Verificação de Sinalização Horizontal

É apresentada abaixo, na Tabela 25, a ficha de verificação de sinalização horizontal.

Tabela 25 – Ficha de Verificação - Sinalização Horizontal.



#### Ficha de Verificação Sinalização Vertical

É apresentada abaixo, na Tabela 26, a ficha de verificação de sinalização vertical.

Tabela - Ficha de Verificação - Sinalização Vertical.



#### Ficha de Verificação Dispositivo De Segurança

É apresentada, na Tabela 27, a ficha de verificação de dispositivos de segurança.

Tabela 27 - Ficha de Verificação – Dispositivo de Segurança.



### Ficha de Cadastro de Placas

Toda a sinalização vertical da malha coberta pelo programa BR-LEGAL deverá possuir ficha de registro individual, onde será disponibilizado todo o histórico de danos e intervenções ocorridas, conforme modelo Tabela 28.

Tabela – Ficha de placa

