**PROJECT LOCATION SUMMARY**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| District: | District_01 | | Prefix | PM | Suffix | Day / Month / Year | |
| County: | MEN | | | 17.30 | | 05 / Nov / 2012 | |
| | Route No. | Route Suffix | Direction: | Descending | | | |
| Route: | 20 | | | | | | |

CONTRACTOR NAME, ADDRESS, AND PHONE NUMBER
Trinity Engineering Laboratories Inc.
491 W. Enterprise Ave
Clovis, CA 93619
(559) 260-6841

POINT OF CONTACT
Mark Horn

DATE FILE SUBMITTED
December 6, 2013

CONTRACT EA NUMBER
01 - 0A730

DISTRICT/CO/RTE/PM
01 - MEN - 20 - 17.3 / 7.8

PROJECT DESCRIPTION
Highway 20

**01**

| Core Identification Number | Total Core Thickness (in) |
|---|---|
| 0A730 - 01 | 6.25 |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| County | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| 17.300 | 01 |
| Lane Direction | Station if available: |
| East Bound | |

Type of Materials Recovered Average (in)

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| 2 | HMA | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 3 | HMA | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type of Materials Recovered Avg (in) continue — AVG

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

Type and approximate thickness of unstabilized material not recovered (in)
2" Aggregate Base 2 in

Global Positioning Coordinates

| Latitude | Longitude | Elevation |
|---|---|---|
| 39.35259200 | -123.55568750 | 78.0 |

**02**

| Core Identification Number | Total Core Thickness (in) |
|---|---|
| 0A730 - 02 | 5.75 |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| County | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| 16.800 | 01 |
| Lane Direction | Station |
| West Bound | |

Type of Materials Recovered Average (in)

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| 2 | HMA | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| 3 | HMA | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type of Materials Recovered Avg (in) continues — AVG

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

Type and approximate thickness of unstabilized material not recovered (in)
2" Aggregate Base in

Global Positioning Coordinates

| Latitude | Longitude | Elevation |
|---|---|---|
| 39.34826065 | -123.56205726 | 78.0 |

**03**

| Core Identification Number | Total Core Thickness |
|---|---|
| 0A730 - 03 | 8.50 |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| County | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| 16.300 | 01 |
| Lane Direction | Station |
| East Bound | |

Type of Materials Recovered Average (in)

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| 2 | HMA | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 | 7.25 |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type of Materials Recovered Avg (in) continues — AVG

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

Type and approximate thickness of unstabilized material not recovered (in)
2" Aggregate Base in

Global Positioning Coordinates

| Latitude | Longitude | Elevation |
|---|---|---|
| 39.34822773 | -123.57059670 | 88.0 |

**04**

| Core Identification Number | Total Core Thickness |
|---|---|
| 0A730 - 04 | 8.00 |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| Project Identification Number | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| 15.800 | 01 |
| Lane Direction | Station |
| West Bound | |

Type of Materials Recovered Average (in)

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| 2 | HMA | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 |
| 3 | HMA | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type of Materials Recovered Avg (in) continues — AVG

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

Type and approximate thickness of unstabilized material not recovered (in)
2" Aggregate Base in

Global Positioning Coordinates

| Latitude | Longitude | Elevation |
|---|---|---|
| 39.34897980 | -123.58055176 | 100.0 |

**PROJECT LOCATION SUMMARY**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **District:** | **District_01** | | **Prefix** | **PM** | **Suffix** | **Day** | **Month** / **Year** |
| **County:** | **MEN** | | | **17.30** | | **05** | **/ Nov / 2012** |
| | Route No. | Route Suffix | **Direction:** | **Descending** | | | |
| **Route:** | **20** | | | | | | |

05

| Core Identification Number | Total Core Thickness |
|---|---|
| **0A730 - 05** | **5.00** |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| County | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| 15.300 | 01 |
| Lane Direction | Station |
| East Bound | |

| Type of Materials Recovered Average (in) | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | | **1.25** |
| 2 | HMA | 1.75 | 1.75 | 1.75 | 1.75 | | **1.75** |
| 3 | HMA | 2.00 | 2.00 | 2.00 | 2.00 | | **2.00** |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type and approximate thickness of unstabilized material not recovered (in)
2" Aggregate Base 5 in

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.34827442 | -123.59045105 | 72.0 |

| Type of Materials Recovered Avg (in) continues | | | | | | AVG |
|---|---|---|---|---|---|---|
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

06

| Core Identification Number | Total Core Thickness |
|---|---|
| **0A730 - 06** | **7.50** |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| County | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| 14.800 | 01 |
| Lane Direction | Station |
| West Bound | |

| Type of Materials Recovered Average (in) | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | | **1.25** |
| 2 | HMA | 6.25 | 6.25 | 6.25 | 6.25 | | **6.25** |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type and approximate thickness of unstabilized material not recovered (in)
2" Aggregate Base in

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.34752581 | -123.59999390 | 59.0 |

| Type of Materials Recovered Avg (in) continues | | | | | | AVG |
|---|---|---|---|---|---|---|
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

07

| Core Identification Number | Total Core Thickness |
|---|---|
| **0A730 - 07** | **9.00** |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| County | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| 14.300 | 01 |
| Lane Direction | Station |
| East Bound | |

| Type of Materials Recovered Average (in) | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 1.00 | 1.00 | 1.00 | 1.00 | | **1.00** |
| 2 | HMA | 2.75 | 2.75 | 2.75 | 2.75 | | **2.75** |
| 3 | HMA | 5.25 | 5.25 | 5.25 | 5.25 | | **5.25** |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type and approximate thickness of unstabilized material not recovered (in)
2" Aggregate Base in

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.35270097 | -123.60841506 | 68.0 |

| Type of Materials Recovered Avg (in) continues | | | | | | AVG |
|---|---|---|---|---|---|---|
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

08

| Core Identification Number | Total Core Thickness |
|---|---|
| **0A730 - 08** | **5.50** |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| County | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| 13.800 | 01 |
| Lane Direction | Station |
| West Bound | |

| Type of Materials Recovered Average (in) | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | | **1.25** |
| 2 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | | **1.25** |
| 3 | HMA | 3.00 | 3.00 | 3.00 | 3.00 | | **3.00** |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type and approximate thickness of unstabilized material not recovered (in)
2" Aggregate Base 5 in

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.35591112 | -123.61575721 | 74.0 |

| Type of Materials Recovered Avg (in) continues | | | | | | AVG |
|---|---|---|---|---|---|---|
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

**PROJECT LOCATION SUMMARY**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| District: | District_01 | | Prefix | PM | Suffix | Day | Month / Year |
| County: | MEN | | | 17.30 | | 05 | Nov / 2012 |
| | Route No. | Route Suffix | Direction: | Descending | | | |
| Route: | 20 | | | | | | |

09

| Core Identification Number | Total Core Thickness | Type of Materials Recovered Average (in) | | | | | | AVG | Type of Materials Recovered Avg (in) continues | | | | | | | AVG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0A730 - 09 | 7.75 | 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | | | | | | | | |
| Project Identification Number | Date Cored | 2 | HMA | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 8 | | | | | | | |
| 0A730 | 05-Nov-2012 | 3 | | | | | | | 9 | | | | | | | |
| County | Route | 4 | | | | | | | 10 | | | | | | | |
| MEN | 20 | 5 | | | | | | | | | | | | | | |
| Post Mile | Lane Number | 6 | | | | | | | | | | | | | | |
| 13.300 | 01 | 7 | | | | | | | | | | | | | | |

| Lane Direction | Station | Type and approximate thickness of unstabilized material not recovered (in) |
|---|---|---|
| East Bound | | 2" Aggregate Base in |

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.35907500 | -123.62179957 | 96.0 |

10

| Core Identification Number | Total Core Thickness | Type of Materials Recovered Average (in) | | | | | | AVG | Type of Materials Recovered Avg (in) continues | | | | | | | AVG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0A730 - 10 | 6.25 | 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | | | | | | | | |
| Project Identification Number | Date Cored | 2 | HMA | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 8 | | | | | | | |
| 0A730 | 05-Nov-2012 | 3 | | | | | | | 9 | | | | | | | |
| County | Route | 4 | | | | | | | 10 | | | | | | | |
| MEN | 20 | 5 | | | | | | | | | | | | | | |
| Post Mile | Lane Number | 6 | | | | | | | | | | | | | | |
| 12.800 | 01 | 7 | | | | | | | | | | | | | | |

| Lane Direction | Station | Type and approximate thickness of unstabilized material not recovered (in) |
|---|---|---|
| West Bound | | 2" Aggregate Base in |

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.35630139 | -123.62817189 | 150.0 |

11

| Core Identification Number | Total Core Thickness | Type of Materials Recovered Average (in) | | | | | | AVG | Type of Materials Recovered Avg (in) continues | | | | | | | AVG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0A730 - 11 | 8.00 | 1 | HMA | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | | | | | | | | |
| Project Identification Number | Date Cored | 2 | HMA | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 8 | | | | | | | |
| 0A730 | 05-Nov-2012 | 3 | HMA | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 9 | | | | | | | |
| County | Route | 4 | | | | | | | 10 | | | | | | | |
| MEN | 20 | 5 | | | | | | | | | | | | | | |
| Post Mile | Lane Number | 6 | | | | | | | | | | | | | | |
| 12.300 | 01 | 7 | | | | | | | | | | | | | | |

| Lane Direction | Station | Type and approximate thickness of unstabilized material not recovered (in) |
|---|---|---|
| East Bound | | 2" Aggregate Base in |

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.35776349 | -123.63545288 | 191.0 |

12

| Core Identification Number | Total Core Thickness | Type of Materials Recovered Average (in) | | | | | | AVG | Type of Materials Recovered Avg (in) continues | | | | | | | AVG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0A730 - 12 | 3.00 | 1 | HMA | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | |
| Project Identification Number | Date Cored | 2 | HMA | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 8 | | | | | | | |
| 0A730 | 05-Nov-2012 | 3 | | | | | | | 9 | | | | | | | |
| County | Route | 4 | | | | | | | 10 | | | | | | | |
| MEN | 20 | 5 | | | | | | | | | | | | | | |
| Post Mile | Lane Number | 6 | | | | | | | | | | | | | | |
| 11.800 | 01 | 7 | | | | | | | | | | | | | | |

| Lane Direction | Station | Type and approximate thickness of unstabilized material not recovered (in) |
|---|---|---|
| West Bound | | 2" Aggregate Base in |

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.36007389 | -123.64278056 | 211.0 |

**PROJECT LOCATION SUMMARY**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| District: | District_01 | | Prefix | PM | Suffix | Day / Month / Year | |
| County: | MEN | | | 17.30 | | 05 / Nov / 2012 | |
| | Route No. | Route Suffix | Direction: | Descending | | | |
| Route: | 20 | | | | | | |

13

| Core Identification Number | Total Core Thickness | Type of Materials Recovered Average (in) | | | | | | AVG | Type of Materials Recovered Avg (in) | AVG |
|---|---|---|---|---|---|---|---|---|---|---|
| 0A730 - 13 | 8.50 | 1 | HMA | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | continues | |
| Project Identification Number | Date Cored | 2 | HMA | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 8 | |
| 0A730 | 05-Nov-2012 | 3 | HMA | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 9 | |
| County | Route | 4 | HMA | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 10 | |
| MEN | 20 | 5 | | | | | | | | |
| Post Mile | Lane Number | 6 | | | | | | | | |
| 11.300 | 01 | 7 | | | | | | | | |
| Lane Direction | Station | Type and approximate thickness of unstabilized material not recovered (in) | | | | | | | | |
| East Bound | | 2" Aggregate Base in | | | | | | | | |

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.35746981 | -123.64941776 | 190.0 |

14

| Core Identification Number | Total Core Thickness | Type of Materials Recovered Average (in) | | | | | | AVG | Type of Materials Recovered Avg (in) | AVG |
|---|---|---|---|---|---|---|---|---|---|---|
| 0A730 - 14 | 8.50 | 1 | HMA | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | continues | |
| Project Identification Number | Date Cored | 2 | HMA | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 8 | |
| 0A730 | 05-Nov-2012 | 3 | | | | | | | 9 | |
| County | Route | 4 | | | | | | | 10 | |
| MEN | 20 | 5 | | | | | | | | |
| Post Mile | Lane Number | 6 | | | | | | | | |
| 10.800 | 01 | 7 | | | | | | | | |
| Lane Direction | Station | Type and approximate thickness of unstabilized material not recovered (in) | | | | | | | | |
| West Bound | | 2" Aggregate Base in | | | | | | | | |

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.35913484 | -123.65654200 | 165.0 |

15

| Core Identification Number | Total Core Thickness | Type of Materials Recovered Average (in) | | | | | | AVG | Type of Materials Recovered Avg (in) | AVG |
|---|---|---|---|---|---|---|---|---|---|---|
| 0A730 - 15 | 5.50 | 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | continues | |
| Project Identification Number | Date Cored | 2 | HMA | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 8 | |
| 0A730 | 05-Nov-2012 | 3 | HMA | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 9 | |
| County | Route | 4 | | | | | | | 10 | |
| MEN | 20 | 5 | | | | | | | | |
| Post Mile | Lane Number | 6 | | | | | | | | |
| 10.300 | 01 | 7 | | | | | | | | |
| Lane Direction | Station | Type and approximate thickness of unstabilized material not recovered (in) | | | | | | | | |
| East Bound | | 2" Aggregate Base in | | | | | | | | |

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.36155989 | -123.66275079 | 137.0 |

16

| Core Identification Number | Total Core Thickness | Type of Materials Recovered Average (in) | | | | | | AVG | Type of Materials Recovered Avg (in) | AVG |
|---|---|---|---|---|---|---|---|---|---|---|
| 0A730 - 16 | 5.50 | 1 | HMA | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | continues | |
| Project Identification Number | Date Cored | 2 | HMA | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 8 | |
| 0A730 | 05-Nov-2012 | 3 | HMA | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 9 | |
| County | Route | 4 | | | | | | | 10 | |
| MEN | 20 | 5 | | | | | | | | |
| Post Mile | Lane Number | 6 | | | | | | | | |
| 9.800 | 01 | 7 | | | | | | | | |
| Lane Direction | Station | Type and approximate thickness of unstabilized material not recovered (in) | | | | | | | | |
| West Bound | | 2" Aggregate Base in | | | | | | | | |

| Global Positioning Coordinates | | |
|---|---|---|
| Latitude | Longitude | Elevation |
| 39.36303669 | -123.66965619 | 162.0 |

17

| Core Identification Number | Total Core Thickness | Type of Materials Recovered Average (in) | | | | | | AVG | Type of Materials Recovered Avg (in) | AVG |
|---|---|---|---|---|---|---|---|---|---|---|
| 0A730 - 17 | 3.50 | 1 | HMA | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | continues | |
| Project Identification Number | Date Cored | 2 | HMA | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 8 | |
| 0A730 | 05-Nov-2012 | 3 | | | | | | | 9 | |
| County | Route | 4 | | | | | | | 10 | |
| MEN | 20 | 5 | | | | | | | | |
| Post Mile | Lane Number | 6 | | | | | | | | |
| 9.300 | 01 | 7 | | | | | | | | |
| Lane Direction | Station | Type and approximate thickness of unstabilized material not recovered (in) | | | | | | | | |
| East Bound | | 2" Aggregate Base in | | | | | | | | |

Global Positioning Coordinates

**PROJECT LOCATION SUMMARY**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **District:** | **District_01** | | **Prefix** | **PM** | **Suffix** | **Day** | **Month** / **Year** |
| **County:** | **MEN** | | | **17.30** | | **05** | **/ Nov / 2012** |
| | Route No. | Route Suffix | **Direction:** | **Descending** | | | |
| **Route:** | **20** | | | | | | |

---

| | Latitude | Longitude | Elevation |
|---|---|---|---|
| | 39.36554666 | -123.67666815 | 226.0 |

**18**

| Core Identification Number | Total Core Thickness |
|---|---|
| **0A730 - 18** | **4.50** |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| County | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| 8.800 | 01 |
| Lane Direction | Station |
| West Bound | |

Type of Materials Recovered Average (in)

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 2.50 | 2.50 | 2.50 | 2.50 | **2.50** | |
| 2 | HMA | 2.00 | 2.00 | 2.00 | 2.00 | **2.00** | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type of Materials Recovered Avg (in) continues

| | | AVG |
|---|---|---|
| 8 | | |
| 9 | | |
| 10 | | |

Type and approximate thickness of unstabilized material not recovered (in)

2" Aggregate Base in

Global Positioning Coordinates

| Latitude | Longitude | Elevation |
|---|---|---|
| 39.37169964 | -123.68073627 | 260.0 |

**19**

| Core Identification Number | Total Core Thickness |
|---|---|
| **0A730 - 19** | **10.00** |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| County | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| R 8.300 | 01 |
| Lane Direction | Station |
| East Bound | |

Type of Materials Recovered Average (in)

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 4.00 | 4.00 | 4.00 | 4.00 | **4.00** | |
| 2 | HMA | 6.00 | 6.00 | 6.00 | 6.00 | **6.00** | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type of Materials Recovered Avg (in) continues

| | | AVG |
|---|---|---|
| 8 | | |
| 9 | | |
| 10 | | |

Type and approximate thickness of unstabilized material not recovered (in)

2" Aggregate Base in

Global Positioning Coordinates

| Latitude | Longitude | Elevation |
|---|---|---|
| 39.37670944 | -123.68647524 | 249.0 |

**20**

| Core Identification Number | Total Core Thickness |
|---|---|
| **0A730 - 20** | **2.00** |
| Project Identification Number | Date Cored |
| 0A730 | 05-Nov-2012 |
| County | Route |
| MEN | 20 |
| Post Mile | Lane Number |
| 7.800 | 01 |
| Lane Direction | Station |
| West Bound | |

Type of Materials Recovered Average (in)

| | | | | | | | AVG |
|---|---|---|---|---|---|---|---|
| 1 | HMA | 1.50 | 1.50 | 1.50 | 1.50 | **1.50** | |
| 2 | HMA | 0.50 | 0.50 | 0.50 | 0.50 | **0.50** | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |

Type of Materials Recovered Avg (in) continues

| | | AVG |
|---|---|---|
| 8 | | |
| 9 | | |
| 10 | | |

Type and approximate thickness of unstabilized material not recovered (in)

2" Aggregate Base in

Global Positioning Coordinates

| Latitude | Longitude | Elevation |
|---|---|---|
| 39.38178284 | -123.69217384 | 239.0 |

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 01 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / East |

| Prefix | PM | Suffix |
|---|---|---|
| | 17.300 | |


**GPS (FIELD):**

| | |
|---|---|
| LATITUDE: | 39.35259200 |
| LONGITUDE: | -123.55568750 |
| ELEVATION: | 78 |

### CORE DATA:

Surface Material Type: ☑ AC ☐ PCC

Continuously Reinforced Concrete ☐ CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Depth and Type (i.e. SAMI-F or -R):

**Other Notes (i.e. Rebar Present, etc.):**

**CORE LAYER DATA (FROM TOP TO BOTTOM):**

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **1.25** |
| 2 | AC | HMA | | 2.00 | 2.00 | 2.00 | 2.00 | **2.00** | **3.25** |
| 3 | AC | HMA | | 3.00 | 3.00 | 3.00 | 3.00 | **3.00** | **6.25** |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 3 **Total Thickness:** 6.25 **inches or** 0.52 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☐ Yes ☑ Unknown Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base 2 in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 02 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / West |

| Prefix | PM | Suffix |
|---|---|---|
| | 16.800 | |


| | | |
|---|---|---|
| GPS (FIELD): | LATITUDE: | 39.34826065 |
| | LONGITUDE: | -123.56205726 |
| | ELEVATION: | 78 |

### CORE DATA:

Surface Material Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **1.25** |
| 2 | AC | HMA | | 1.50 | 1.50 | 1.50 | 1.50 | **1.50** | **2.75** |
| 3 | AC | HMA | | 3.00 | 3.00 | 3.00 | 3.00 | **3.00** | **5.75** |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 3 **Total Thickness:** 5.75 **inches or** 0.48 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 03 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / East |

| Prefix | PM | Suffix |
|---|---|---|
| | ##### | |


| GPS (FIELD): | | |
|---|---|---|
| | LATITUDE: | 39.34822773 |
| | LONGITUDE: | -123.57059670 |
| | ELEVATION: | 88 |

### CORE DATA:

Surface Material Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

### CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Broke off | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **1.25** |
| 2 | AC | HMA | | 7.25 | 7.25 | 7.25 | 7.25 | **7.25** | **8.50** |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 2 **Total Thickness:** 8.50 **inches or** 0.71 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 04 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / West |

| Prefix | PM | Suffix |
|---|---|---|
| | 15.800 | |


| GPS (FIELD): | |
|---|---|
| LATITUDE: | 39.34897980 |
| LONGITUDE: | -123.58055176 |
| ELEVATION: | 100 |

## CORE DATA:

Surface Type ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Broke off | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **1.25** |
| 2 | AC | HMA | | 3.25 | 3.25 | 3.25 | 3.25 | **3.25** | **4.50** |
| 3 | AC | HMA | | 3.50 | 3.50 | 3.50 | 3.50 | **3.50** | **8.00** |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 3 **al Thickness:** **8.00** **inches** **or** **0.67** **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☐ Yes ☑ Unknown

Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 05 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |

| Prefix | PM | Suffix |
|---|---|---|
| | 15.300 | |

LANE / DIRECTION: 01 / East


GPS (FIELD):

| | |
|---|---|
| LATITUDE: | 39.34827442 |
| LONGITUDE: | -123.59045105 |
| ELEVATION: | 72 |

## CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **1.25** |
| 2 | AC | HMA | | 1.75 | 1.75 | 1.75 | 1.75 | **1.75** | **3.00** |
| 3 | AC | HMA | | 2.00 | 2.00 | 2.00 | 2.00 | **2.00** | **5.00** |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 3 **Total Thickness:** 5.00 **inches or** 0.4 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☐ Yes ☑ Unknown Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base 5 in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 06 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / West |

| Prefix | PM | Suffix |
|---|---|---|
| | 14.800 | |


| GPS (FIELD): | |
|---|---|
| LATITUDE: | 39.34752581 |
| LONGITUDE: | -123.59999390 |
| ELEVATION: | 59 |

## CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

**CORE LAYER DATA (FROM TOP TO BOTTOM):**

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Not shown in picture | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **1.25** |
| 2 | AC | HMA | | 6.25 | 6.25 | 6.25 | 6.25 | **6.25** | **7.50** |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that

**Number of Layers:** 2 **Total Thickness:** 7.50 **inches or** 0.6 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☐ Yes ☑ Unknown

Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 07 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / East |

| Prefix | PM | Suffix |
|---|---|---|
| | 14.300 | |


| GPS (FIELD): | | |
|---|---|---|
| | LATITUDE: | 39.35270097 |
| | LONGITUDE: | -123.60841506 |
| | ELEVATION: | 68 |

### CORE DATA:

Surface Type: ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

### CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Broke off | 1.00 | 1.00 | 1.00 | 1.00 | **1.00** | **1.00** |
| 2 | AC | HMA | | 2.75 | 2.75 | 2.75 | 2.75 | **2.75** | **3.75** |
| 3 | AC | HMA | | 5.25 | 5.25 | 5.25 | 5.25 | **5.25** | **9.00** |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that

**Number of Layers:** 3 **Total Thickness:** 9.00 **inches or** 0.75 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered: 2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 08 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / West |

| Prefix | PM | Suffix |
|---|---|---|
| | 13.800 | |


| GPS (FIELD): | | |
|---|---|---|
| | LATITUDE: | 39.35591112 |
| | LONGITUDE: | -123.61575721 |
| | ELEVATION: | 74 |

### CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **1.25** |
| 2 | AC | HMA | | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **2.50** |
| 3 | AC | HMA | | 3.00 | 3.00 | 3.00 | 3.00 | **3.00** | **5.50** |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 3 **Total Thickness:** 5.50 inches or 0.46 ft

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

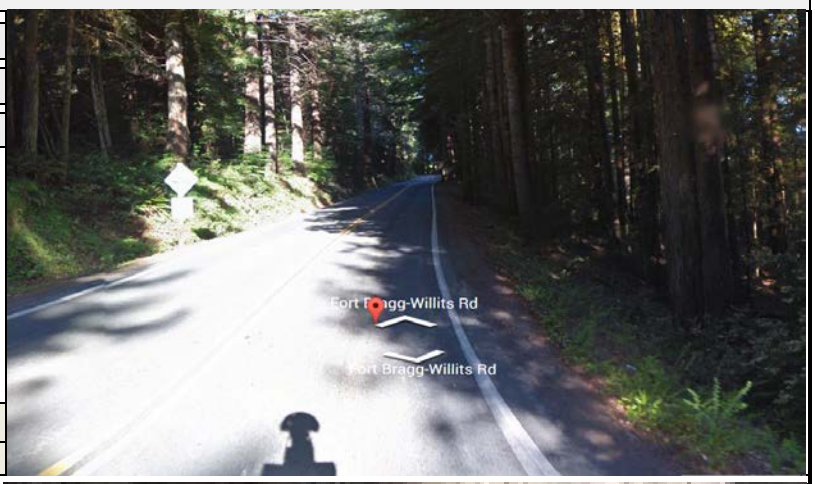
Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base 5 in

## CORE DATA:

**Caltrans Project Name:** Highway 20




| | |
|---|---|
| **Company name:** | Trinity Engineering Laboratories Inc. |
| **Point of Contact:** | Mark Horn |
| **Phone # :** | (559) 260-6841 |
| **Project No. :** | 0A730 |
| **DISTRICT:** | 01 |
| **COUNTY:** | MEN |
| **ROUTE #:** | 20 |
| **STATION:** | |
| **CORE ID:** | 0A730 - 09 |
| **DATE CORED:** | 05-Nov-2012 |
| **CS LOG MILE (DMI):** | |
| **LANE / DIRECTION:** | 01 / East |

| Prefix | PM | Suffix |
|---|---|---|
| | 13.300 | |

**GPS (FIELD):**

| | |
|---|---|
| **LATITUDE:** | 39.35907500 |
| **LONGITUDE:** | -123.62179957 |
| **ELEVATION:** | 96 |

### CORE DATA:

Surface Type ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

**Other Notes (i.e. Rebar Present, etc.):**

**CORE LAYER DATA (FROM TOP TO BOTTOM):**

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Broke off | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **1.25** |
| 2 | AC | HMA | | 6.50 | 6.50 | 6.50 | 6.50 | **6.50** | **7.75** |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 2 **Total Thickness:** 7.75 **inches or** 0.65 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered: 2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 10 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / West |

| Prefix | PM | Suffix |
|---|---|---|
| | 12.800 | |


| GPS (FIELD): | | |
|---|---|---|
| | LATITUDE: | 39.35630139 |
| | LONGITUDE: | -123.62817189 |
| | ELEVATION: | 150 |

### CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

### CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Broke off | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **1.25** |
| 2 | AC | HMA | | 5.00 | 5.00 | 5.00 | 5.00 | **5.00** | **6.25** |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 2 **Total Thickness:** 6.25 **inches or** 0.52 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered: 2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 11 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / East |

| Prefix | PM | Suffix |
|---|---|---|
| | 12.300 | |


| GPS (FIELD): | | |
|---|---|---|
| | LATITUDE: | 39.35776349 |
| | LONGITUDE: | -123.63545288 |
| | ELEVATION: | 191 |

### CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

### CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Broke off | 1.50 | 1.50 | 1.50 | 1.50 | **1.50** | **1.50** |
| 2 | AC | HMA | | 1.50 | 1.50 | 1.50 | 1.50 | **1.50** | **3.00** |
| 3 | AC | HMA | | 5.00 | 5.00 | 5.00 | 5.00 | **5.00** | **8.00** |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 3 **Total Thickness:** 8.00 **inches or** 0.67 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ NO ☑ Unknown ☐ YES

Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | Mark Horn |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 12 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / West |

| Prefix | PM | Suffix |
|---|---|---|
| | 11.800 | |


| GPS (FIELD): | | |
|---|---|---|
| | LATITUDE: | 39.36007389 |
| | LONGITUDE: | -123.64278056 |
| | ELEVATION: | 211 |

### CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

### CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | | 1.00 | 1.00 | 1.00 | 1.00 | **1.00** | **1.00** |
| 2 | AC | HMA | | 2.00 | 2.00 | 2.00 | 2.00 | **2.00** | **3.00** |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** **2** **Total Thickness:** **3.00** **inches** **or** **0.25** **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☐ Yes ☑ Unknown

Type and approximate thickness of unstabilized material not recovered: 2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | POINT OF CONTACT |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 13 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / East |

| Prefix | PM | Suffix |
|---|---|---|
| | 11.300 | |


| GPS (FIELD): | | |
|---|---|---|
| | LATITUDE: | 39.35746981 |
| | LONGITUDE: | -123.64941776 |
| | ELEVATION: | 190 |

### CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

### CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | | 0.50 | 0.50 | 0.50 | 0.50 | **0.50** | **0.50** |
| 2 | AC | HMA | | 1.50 | 1.50 | 1.50 | 1.50 | **1.50** | **2.00** |
| 3 | AC | HMA | | 3.50 | 3.50 | 3.50 | 3.50 | **3.50** | **5.50** |
| 4 | AC | HMA | | 3.00 | 3.00 | 3.00 | 3.00 | **3.00** | **8.50** |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 4 **Total Thickness:** 8.50 **inches or** 0.71 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

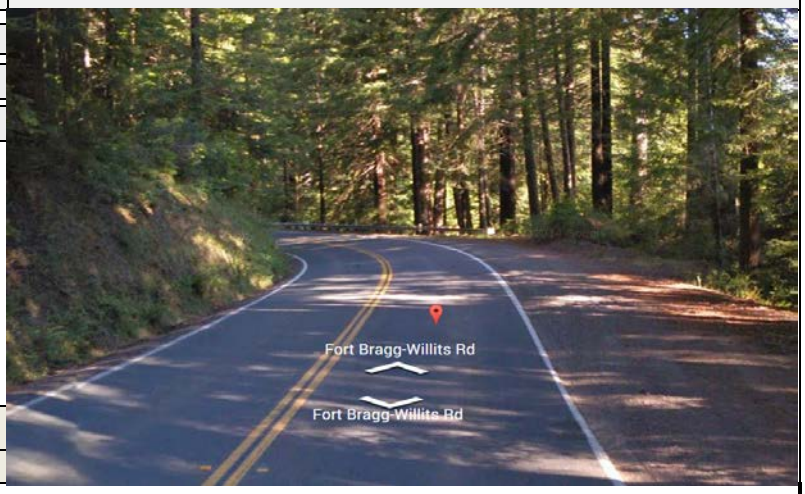
Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered: 2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 14 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI) | |
| LANE / DIRECTION: | 01 / West |

| Prefix | PM | Suffix |
|---|---|---|
| | 10.800 | |




| GPS (FIELD): | | |
|---|---|---|
| | LATITUDE: | 39.35913484 |
| | LONGITUDE: | -123.65654200 |
| | ELEVATION: | 165 |

## CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Broke off | 2.00 | 2.00 | 2.00 | 2.00 | **2.00** | **2.00** |
| 2 | AC | HMA | | 6.50 | 6.50 | 6.50 | 6.50 | **6.50** | **8.50** |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 2 **Total Thickness:** 8.50 **inches or** 0.71 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 15 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / East |

| Prefix | PM | Suffix |
|---|---|---|
| | 10.300 | |



| GPS (FIELD): | | |
|---|---|---|
| | LATITUDE: | 39.36155989 |
| | LONGITUDE: | -123.66275079 |
| | ELEVATION: | 137 |

### CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| 2 | AC | HMA | | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 2.75 |
| 3 | AC | HMA | | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 5.50 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 3 **Total Thickness:** 5.50 inches or 0.46 ft

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 16 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI) | |
| LANE / DIRECTION: | 01 / West |

| Prefix | PM | Suffix |
|---|---|---|
| | 9.800 | |


| GPS (FIELD): | |
|---|---|
| LATITUDE: | 39.36303669 |
| LONGITUDE: | -123.66965619 |
| ELEVATION: | 162 |

### CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | | 1.25 | 1.25 | 1.25 | 1.25 | **1.25** | **1.25** |
| 2 | AC | HMA | | 1.50 | 1.50 | 1.50 | 1.50 | **1.50** | **2.75** |
| 3 | AC | HMA | | 2.75 | 2.75 | 2.75 | 2.75 | **2.75** | **5.50** |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 3 **Total Thickness:** 5.50 **inches or** 0.46 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | |
| CORE ID: | 0A730 - 17 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / East |

| Prefix | PM | Suffix |
|---|---|---|
| | 9.300 | |


| GPS (FIELD): | |
|---|---|
| LATITUDE: | 39.36554666 |
| LONGITUDE: | -123.67666815 |
| ELEVATION: | 226 |

### CORE DATA:

Surface Type: ☑ AC ☐ PCC

☑ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Broke off | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 2 | AC | HMA | | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.50 |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 2 **Total Thickness:** 3.50 **inches or** 0.29 **feet**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered: 2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | 0 |
| CORE ID: | 0A730 - 18 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI) | |
| LANE / DIRECTION: | 01 / West |

| Prefix | PM | Suffix |
|---|---|---|
| | 8.800 | |


**GPS (FIELD):**

| | |
|---|---|
| LATITUDE: | 39.37169964 |
| LONGITUDE: | -123.68073627 |
| ELEVATION: | 260 |

### CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

### CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | | 2.50 | 2.50 | 2.50 | 2.50 | **2.50** | **2.50** |
| 2 | AC | HMA | | 2.00 | 2.00 | 2.00 | 2.00 | **2.00** | **4.50** |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 2 **Total Thickness:** 4.50 **inches or** 0.38 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered

2" Aggregate Base in

## CORE DATA:

| | |
|---|---|
| Caltrans Project Name: | Highway 20 |
| Company name: | Trinity Engineering Laboratories Inc. |
| Point of Contact: | Mark Horn |
| Phone # : | (559) 260-6841 |
| Project No. : | 0A730 |
| DISTRICT: | 01 |
| COUNTY: | MEN |
| ROUTE #: | 20 |
| STATION: | 0 |
| CORE ID: | 0A730 - 19 |
| DATE CORED: | 05-Nov-2012 |
| CS LOG MILE (DMI): | |
| LANE / DIRECTION: | 01 / East |

| Prefix | PM | Suffix |
|---|---|---|
| R | 8.300 | |


| GPS (FIELD): | |
|---|---|
| LATITUDE: | 39.37670944 |
| LONGITUDE: | -123.68647524 |
| ELEVATION: | 249 |

### CORE DATA:

Surface Type: ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

Other Notes (i.e. Rebar Present, etc.):

### CORE LAYER DATA (FROM TOP TO BOTTOM):

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Broke off | 4.00 | 4.00 | 4.00 | 4.00 | **4.00** | **4.00** |
| 2 | AC | HMA | | 6.00 | 6.00 | 6.00 | 6.00 | **6.00** | **10.00** |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 2 **Total Thickness:** 10.00 **inches or** 0.83 **feet**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recovered: 2" Aggregate Base ft

## CORE DATA:

| | |
|---|---|
| **Caltrans Project Name:** | Highway 20 |
| **Company name:** | Trinity Engineering Laboratories Inc. |
| **Point of Contact:** | Mark Horn |
| **Phone # :** | (559) 260-6841 |
| **Project No. :** | 0A730 |
| **DISTRICT:** | 01 |
| **COUNTY:** | MEN |
| **ROUTE #:** | 20 |
| **STATION:** | |
| **CORE ID:** | 0A730 - 20 |
| **DATE CORED:** | 05-Nov-2012 |
| **CS LOG MILE (DMI):** | |
| **LANE / DIRECTION:** | 01 / West |

| Prefix | PM | Suffix |
|---|---|---|
| | 7.800 | |


| **GPS (FIELD):** | | |
|---|---|---|
| | **LATITUDE:** | 39.38178284 |
| | **LONGITUDE:** | -123.69217384 |
| | **ELEVATION:** | 239 |

### CORE DATA:

Surface Type ☑ AC ☐ PCC

☐ Continuously Reinforced Concrete CRCP

Reinforcing Fabric Present: ☑ No ☐ Yes

**Other Notes (i.e. Rebar Present, etc.):**

**CORE LAYER DATA (FROM TOP TO BOTTOM):**

| Layer No. | Layer Type | Layer* Characteristics | Comments | Layer Thickness (in) * 1 | 2 | 3 | 4 | Avg. | Depth |
|---|---|---|---|---|---|---|---|---|---|
| 1 | RHMA-G | HMA | Broke off | 1.50 | 1.50 | 1.50 | 1.50 | **1.50** | **1.50** |
| 2 | AC | HMA | | 0.50 | 0.50 | 0.50 | 0.50 | **0.50** | **2.00** |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

**Material Type Legend**

**ASURF** - seal coats or other surface treatments greater than 30 mm in thickness

**HMA** - hot mix asphalt surface type (i.e. PG64-28 HMA 1/2 inch, or HMA-O, or RHMA)

**PCC** - Portland cement concrete

**ACB** - Asphalt bound layers below the surface layer not continuous from asphalt bound surface

**CTB** - cement bound layers below the surface layer that are not PCC

**Number of Layers:** 2 **Total Thickness:** 2.00 **inches or** 0.17 **ft**

*Note: For bound core material need to measure the length of core material at 4 separate locations each $90^0$ to each other

Stabilized Subgrade Beneath Pavement or Sub-base: ☐ No ☑ Unknown ☐ Yes

Type and approximate thickness of unstabilized material not recov

2" Aggregate Base in