

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

DESIGN-BUILD PROJECT

For

INDIAN RIVER INLET BRIDGE

Replacement of Bridge 3-156,
SR1 over Indian River Inlet
State Contract # 26-073-03 Readvertised
Federal Contract # BRN-S050(14)

SCOPE OF SERVICES PACKAGE

CONTRACT DOCUMENTS

APPENDIX 112A

CONSTRUCTION QUALITY CONTROL INSPECTION

Delaware Department of Transportation

| ACTIVITY | INSPECTION REQUIREMENT | DOCUMENTATION FORMS(S) |
|-----------------------|--|---|
| All | <ul style="list-style-type: none"> • Location and type of work • Personnel and Equipment • Weather and Site conditions • Checks for compliance with Design Plans and Project Specifications • Extent of Work • Problems encountered | Inspectors Daily Report (IDR) Daily Construction Diary |
| Signs and Barricades | <ul style="list-style-type: none"> • Location, stationing and distance from edge of road Visibility, height above road, condition of signs • Daily to ensure condition • Night inspections initial and periodic for reflectivity | Traffic Control Devices (NDE-6) |
| Clearing and Grubbing | <ul style="list-style-type: none"> • Clearing and grubbing limits • Disposal • Protection of surroundings from damage • Removal of large roots and stumps • Backfill of areas as required (compaction and material) • Blading the site to ensure drainage • Temporary erosion control <ul style="list-style-type: none"> ~ Mulch ~ Seeding ~ Slope drains ~ Silt Fencing ~ Inlet Protection ~ Check Dams | |

Delaware Department of Transportation

| ACTIVITY | INSPECTION REQUIREMENT | DOCUMENTATION FORMS(S) |
|---|--|--|
| Removals | <ul style="list-style-type: none"> • Ensure that only designated structures, facilities or obstructions are removed or relocated • Backfill, compaction and compactive effort • Proper notifications given for removal of under-ground storage tanks and other hazardous materials • Legal Disposal of materials | Form LB-68 Summary of Field Density Tests |
| Utility Relocation | <ul style="list-style-type: none"> • Located clear of construction • Backfills adequately compacted | |
| Culverts and Storm Drains | <ul style="list-style-type: none"> • Adequate structure • Backfill material, bedding material and fabrics sampled and approved by QC Engineer, accepted by DOT • Damage in transit • Certificate of Delivery • Excavation • Laying pipe • Bedding and Backfill • Joints closed and wrapped • Compaction and compactive effort | Form LB 68 Summary of Field Density Tests Form LB 92 RCP Report |
| Earthwork | <ul style="list-style-type: none"> • Area preparation • Soils sampled and approved • Lift thickness • Compaction and compactive effort • Slope and Grade | Form LB-68 Summary of Field Density Tests |
| Trench, Culvert and Structural Excavation | <ul style="list-style-type: none"> • Safety • Support and protective system • Legal Disposal of excavated material | |

Delaware Department of Transportation

| ACTIVITY | INSPECTION REQUIREMENT | DOCUMENTATION FORMS(S) |
|--------------------|--|--|
| Geotextile | <ul style="list-style-type: none"> • Brand name and type • Protection of material • Material acceptance | |
| Stone Base | <ul style="list-style-type: none"> • Area preparation • Material sampled, approved (QC Eng.) accepted (DOT) • Compaction and compactive effort • Curing membrane | LB-68 Summary of Field Density Tests LB-50 Fine Aggregate Report |
| Asphaltic Concrete | <ul style="list-style-type: none"> • Surface prepared • Materials sampled and approved (QC Eng.), accepted (DOT) • Plant and Equipment calibrated and approved • Temporary traffic tape • Signing and Flagging • Certified technicians • Weather conditions • Mix design submitted and approved • Plant operation • Temperature of mix • Spreading and finishing • Compaction/pavement density • Joints • Surface tolerances | LB 21 Asphalt Plant Lab Inspection List LB 24 Bituminous Concrete Plant Activity Report LB 26 Gyratory Method LB 29 Box Sample Tag LB 30 Box Sample Worksheet LB 36 Asphalt Sample Tag LB 37 Drilled Core Worksheet LB 65 Hot-mix Request for Compaction Waiver LB 68 Summary of Field Density Tests LB 69 Inspection and Calibration of Batching Equipment Special Provision 401699 |

| ACTIVITY | INSPECTION REQUIREMENT | DOCUMENTATION FORMS(S) |
|---|--|---|
| Portland Cement Concrete Paving | <ul style="list-style-type: none"> • Surface prepared • Materials sampled and approved (QC Eng.), accepted (DOT) • Plant and Equipment calibrated and approved • Forms • Dowels and Load transfer devices • Mix design submitted and approved • Placing and spreading concrete • Finishing and texturing • Joints • Surface tolerance • Slump and air • Curing • Removing forms (fixed form paving) • Protection of pavement • Sealing joints | LB 1 through 12 LB 60 through 65B LB 69 LB 76 through 87 LB 130-135 |
| Incidental Concrete Work – Sidewalks, Curbs, Drives, etc. | <ul style="list-style-type: none"> • Surface prepared • Compaction and Compactive effort for base material • Forms • Mix design submitted and approved • Depth • Cylinders • Curing | LB 68 Summary of Field Density Tests QA reports |
| Driven Piles (continued on next page) | <ul style="list-style-type: none"> • Type, size, and length of pile • Materials approved and accepted during fabrication • Test piles driven and loaded • Pile lengths approved • Installation plan and equipment approved • Location of piles • Storing, handling and damage to piles before and during driving | Pile Driving Record Pile Driving Summary Test Pile Driving Record (CN-59) |

Delaware Department of Transportation

| ACTIVITY | INSPECTION REQUIREMENT | DOCUMENTATION FORMS(S) |
|---------------------|---|---|
| | <ul style="list-style-type: none"> • Adequate bearing capacity achieved | |
| Drilled Shafts | <ul style="list-style-type: none"> • Installation plan • Safety • Excavation and material disposal methods • Casings – temporary and/or permanent • Slurry • Location, size and alignment • Reinforcing steel (Storage, handling, sampled and approved, tying, splicing) • Concrete mix design • Concrete placement and finishing • Verification of integrity of shafts | LB 11 Compression Testing Report LB 62 Air and Slump Report LB 90 Reinforcing Steel Report |
| Structural Concrete | <ul style="list-style-type: none"> • Forms, re-steel and equipment • Weather • Ambient temperature • Slump and air tests • Placement and vibrating • Cylinders • Surface finish • Curing | LB 1 through 12 LB 62 Air and Slump Report LB 64 Bridge Deck Survey LB 76 through LB 87 LB 130 through LB 135 QA reports on Slump and Air, cylinders |
| Reinforcing Steel | <ul style="list-style-type: none"> • Storage and handling • Sampled and approved (QC Eng.), accepted (DOT) at shop • Placement and fastening • Splices | LB 90 |

| ACTIVITY | INSPECTION REQUIREMENT | DOCUMENTATION FORMS(S) |
|----------------------------|--|---|
| Prestressed Concrete Units | <ul style="list-style-type: none"> ● Fabrication <ul style="list-style-type: none"> ~ Equipment approval ~ Concrete mix design ~ Concrete placement and vibration ~ Dimensional tolerance and camber ~ Approved forms ~ Curing ~ Tensioning ~ Storage and transportation ● When receiving units <ul style="list-style-type: none"> ~ Inspector's stamp of approval ~ Certificate of delivery ~ Damage during shipment ~ Dimensional tolerance, camber, etc. ~ Visual defects ● Erection ● Repair of defects | LB 1 through 12 LB 63 LB 65B LB 69 LB76 through 84 LB 86 and 87 LB 100 QA reports (DOT) for fabrication and upon receipt |
| Structural Steel | <ul style="list-style-type: none"> ● Fabrication <ul style="list-style-type: none"> ~ Shop drawings ~ Mill test reports ~ Storage of materials and fabricated items ~ Shop Assembly ~ Certified test reports for bolts, nuts, etc. ~ Coating ● Field Erection <ul style="list-style-type: none"> ~ Sequence ~ Falsework ~ Site storage and handling ~ Connections | QA reports (DOT) for fabrication and upon receipt |

Delaware Department of Transportation

| ACTIVITY | INSPECTION REQUIREMENT | DOCUMENTATION FORMS(S) |
|---|--|---|
| Bridge Bearings | <ul style="list-style-type: none"> • Materials • Fabrication • Protective coatings • Bearing surface preparation • Anchor Bolts • Pad installation | |
| Bridge Joint Systems | <ul style="list-style-type: none"> • Materials • Fabrication • Cleaning • Assembly • Installation <ul style="list-style-type: none"> ~ Preparation ~ Handling and Storage | |
| Structural Steel Paint System | <ul style="list-style-type: none"> • Materials <ul style="list-style-type: none"> ~ Abrasive ~ Paint ~ Paint Inspection Equipment • Cleaning • Paint application methods • Shop Painting • Field Painting | |
| Superstructure Slabs and Approach Slabs (continued on next page) | <ul style="list-style-type: none"> • Forming <ul style="list-style-type: none"> ~ Forms ~ Support Systems ~ Haunch depths ~ Joints ~ Drainage • Placing and fastening reinforcing steel | LB 1 through 12 LB 60 through 65B LB 68 LB 69 LB 76 through 87 LB 90 LB 130-135 |

Delaware Department of Transportation

| ACTIVITY | INSPECTION REQUIREMENT | DOCUMENTATION FORMS(S) |
|---------------------------------------|---|---------------------------------|
| | <ul style="list-style-type: none"> • Base (compaction and compactive effort) • Concrete Operations <ul style="list-style-type: none"> ~ Prior to placing ~ Placing sequence ~ Adequacy of personnel and equipment ~ Concrete supply ~ Curing materials ~ Admixtures <ul style="list-style-type: none"> ○ Weather and Temperature ○ Placing ○ Finishing ○ Curing | |
| Permanent Erosion Control | <ul style="list-style-type: none"> • Final dressing of area • Area determinations • Spread rate for seed and fertilizer • Materials • Watering | LB 97 Seed Sample Tag |
| Maintenance and Protection of Traffic | <ul style="list-style-type: none"> • Materials • Surface Condition • Intersecting Traffic • Dust Control and Spillages • Flaggers • Delineation and Guiding Devices • Construction signs, temporary barriers, barricades and Lighting • Pavement markings • Pavement drop-off protection | Traffic Control Devices (NDE 6) |

Delaware Department of Transportation

| ACTIVITY | INSPECTION REQUIREMENT | DOCUMENTATION FORMS(S) |
|-------------------|--|--|
| Pavement Markings | <ul style="list-style-type: none">• Atmospheric conditions• General requirements• Materials• Surface cleaning and preparation• Equipment• Application of markings | LB 52 Traffic Markings Report LB 88 Traffic Marking Paint |

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

DESIGN-BUILD PROJECT

For

INDIAN RIVER INLET BRIDGE

Replacement of Bridge 3-156,
SR1 over Indian River Inlet
State Contract # 26-073-03 Readvertised
Federal Contract # BRN-S050(14)

SCOPE OF SERVICES PACKAGE

CONTRACT DOCUMENTS

APPENDIX 112B

**QUALITY CONTROL TESTING FREQUENCY AND
METHODS**

Testing Frequency and Methods:

The testing frequencies required can be found in the Department's Materials and Research Manual at the end of Part B, Minimum Testing and Certification Requirements under the heading "[Quantities List in pdf format](#)".

This list is inclusive of all items that have been used on department projects. The Design Builder is only required to perform the number and types of tests for the items that he is incorporating into the project. The item numbers correlate to those found in the Department's Standard Specifications, August 2001.

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

DESIGN-BUILD PROJECT

for

INDIAN RIVER INLET BRIDGE

Replacement of Bridge 3-156,
SR1 over Indian River Inlet
State Contract # 26-073-03 Readvertised
Federal Contract # BRN-S050(14)

SCOPE OF SERVICES PACKAGE

CONTRACT DOCUMENTS

APPENDIX 112C

CONSTRUCTION MANAGEMENT FORMS

STANDARD CONSTRUCTION MANAGEMENT FORMS

This Appendix shows examples of commonly used forms listed in alphabetical order.

| FORM | |
|--|----|
| Checklist for Submission of Final Estimate (CN-28) | 1 |
| Change Order Reason Codes | 2 |
| Contractor's Two Week Schedule (CN-10) | 3 |
| Core Drill Report (LB-75) | 4 |
| Daily Construction Diary | 5 |
| Daily Force Account (CN-42) | 7 |
| Daily Quantity Sheet | 8 |
| Federal-Aid Proper Pay Poster | 9 |
| Federal-Aid Wage Information Poster | 11 |
| Field Change Order Form | 12 |
| Field Inspection Document (CN-78) | 13 |
| Inspector's Daily Report | 14 |
| Piezometer Observations | 16 |
| Pile Driving Record | 17 |
| Pile Driving Summary (CN-60) | 18 |
| Routine Labor Relations Interview (CN-30) | 19 |
| Source Document | 20 |
| Source of Supply Form | 21 |
| Temporary Agreement to Trespass | 22 |
| Test Pile Driving Record (CN-59) | 23 |
| Traffic Control Devices (NDE-6) | 24 |
| Traffic Markings Report (LB-52) | 25 |

**STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION**

CONTRACT NO. _____

PROJECT NAME _____

DISTRICT _____

SUBMISSION BY _____

DATE _____

CHECK LIST FOR SUBMISSION OF FINAL ESTIMATE

CHECK ONE BLOCK OPPOSITE EACH ITEM

| | SUBMITTED HEREWITH | SUBMITTED PREVIOUSLY | NOT REQUIRED |
|--|-------------------------|-------------------------|-----------------|
| 1. Estimate Form (Prepared as Final) | | | |
| 2. "Clean Up" Change Order | | | |
| 3. Estimates Book or Books (Prepared as Final) | RETAINED IN DISTRICT | | |
| 4. Construction Diary or Diaries | RETAINED IN DISTRICT | | |
| 5. "AS BUILT" Plans | | | |
| 6. CN-91 | | | |
| 7. CN-102 | | | |
| 8. CN-103 | | | |
| 9. FHWA-47* | | | |
| 10. Bonding Company Release | | | |
| 11. Contractor & Subcontractors Payroll Submission Up to Date | | | |

RECEIVED AND UP TO DATE

- | | | | | |
|---|--------------------------|-----|--------------------------|----|
| 1. Materials Source Approvals | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 2. Materials Certifications as Required | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 3. Approval of ALL Subcontractors | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |

*Required on all Federal-Aid oversight Contracts OVER \$1,000,000.00 on NHS roadways except Beautification Contracts.

PLEASE SUBMIT THIS FORM WITH ALL FINAL ESTIMATES
CN-28 6/99

Change Order Reason Codes

- A Requested by Safety Section
- B Requested by Stormwater Management
- C Requested by Legislator
- D Requested by External Affairs
- E Requested by District Maintenance
- F Requested by Property Owner
- G Added new item
- H Added quantity to existing item
- I Added quantity due to erosion
- J Replaced with new item
- K Replaced with another existing item
- L Item eliminated
- M Calculation error by designer
- N Overestimated quantity
- O Overestimated quantity on previous change order
- P Missing quantity- item shown on plans
- Q Additional utilities (Public)
- R Needed for utilities (Public)
- S Additional utilities (Private)
- T Needed for utilities (Private)
- U Value Engineering Proposal
- V Price adjustment
- W Other

CONTRACTOR'S TWO WEEK SCHEDULE

CONTRACT NUMBER: _____ CONTRACTOR: _____
 CONTRACT NAME: _____ DATE: _____
 FOR WEEK BEGINNING MONDAY: _____ TO MONDAY: _____

| ACTIVITY | LOCATION | M | T | W | T | F | S | S | M | T | W | T | F | S | S |
|----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

REMARKS: _____

NOTICE TO ALL EMPLOYEES



Working on Federal or Federally Financed Construction Projects

MINIMUM WAGES

You must be paid not less than the wage rate in the schedule posted with this Notice for the kind of work you perform.

OVERTIME

You must be paid not less than one and one-half times your basic rate of pay for all hours worked over 40 a week. There are some exceptions.

APPRENTICES

Apprentice rates apply only to apprentices properly registered under approved Federal or State apprenticeship programs.

PROPER PAY

If you do not receive proper pay, contact the Contracting Officer listed below:



or you may contact the nearest office of the Wage and Hour Division, U.S. Department of Labor. The Wage and Hour Division has offices in several hundred communities throughout the country. They are listed in the U.S. Government section of most telephone directories under:

U.S. Department of Labor
Employment Standards Administration



Equal Employment Opportunity is

THE LAW

Employers Holding Federal Contracts or Subcontracts

Applicants to and employees of companies with a Federal government contract or subcontract are protected under the following Federal authorities:

RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN

Executive Order 11246, as amended, prohibits job discrimination on the basis of race, color, religion, sex or national origin, and requires affirmative action to ensure equality of opportunity in all aspects of employment.

INDIVIDUALS WITH DISABILITIES

Section 503 of the Rehabilitation Act of 1973, as amended, prohibits job discrimination because of disability and requires affirmative action to employ and advance in employment qualified individuals with disabilities who, with reasonable accommodation, can perform the essential functions of a job.

VIETNAM ERA, SPECIAL DISABLED, RECENTLY SEPARATED, AND OTHER PROTECTED VETERANS

38 U.S.C. 4212 of the Vietnam Era Veterans' Readjustment Assistance Act of 1974, as amended, prohibits job discrimination and requires affirmative action to employ and advance in employment qualified Vietnam era veterans, qualified special disabled veterans, recently separated veterans, and other protected veterans.

Any person who believes a contractor has violated its nondiscrimination or affirmative action obligations under the authorities above should contact immediately:

The Office of Federal Contract Compliance Programs (OFCCP), Employment Standards Administration, U.S. Department of Labor, 200 Constitution Avenue, N.W., Washington, D.C. 20210 or call (202) 693-0101, or an OFCCP regional or district office, listed in most telephone directories under U.S. Government, Department of Labor.

Private Employment, State and Local Governments, Educational Institutions

Applicants to and employees of most private employers, state and local governments, educational institutions, employment agencies and labor organizations are protected under the following Federal laws:

RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN

Title VII of the Civil Rights Act of 1964, as amended, prohibits discrimination in hiring, promotion, discharge, pay, fringe benefits, job training, classification, referral, and other aspects of employment, on the basis of race, color, religion, sex or national origin.

DISABILITY

The Americans with Disabilities Act of 1990, as amended, protects qualified applicants and employees with disabilities from discrimination in hiring, promotion, discharge, pay, job training, fringe benefits, classification, referral, and other aspects of employment on the basis of disability. The law also requires that covered entities provide qualified applicants and employees with disabilities with reasonable accommodations that do not impose undue hardship.

AGE

The Age Discrimination in Employment Act of 1967, as amended, protects applicants and employees 40 years of age or older from discrimination on the basis of age in hiring, promotion, discharge, compensation, terms, conditions or privileges of employment.

SEX (WAGES)

In addition to sex discrimination prohibited by Title VII of the Civil Rights Act of 1964, as amended (see above), the Equal Pay Act of 1963, as amended, prohibits sex discrimination in payment of wages to women and men performing substantially equal work in the same establishment.

Retaliation against a person who files a charge of discrimination, participates in an investigation, or opposes an unlawful employment practice is prohibited by all of these Federal laws.

If you believe that you have been discriminated against under any of the above laws, you should contact immediately:

The U.S. Equal Employment Opportunity Commission (EEOC), 1801 L Street, N.W., Washington, D.C. 20507 or an EEOC field office by calling toll free (800) 669-4000. For individuals with hearing impairments, EEOC's toll free TDD number is (800) 669-6820.

Programs or Activities Receiving Federal Financial Assistance

RACE, COLOR, RELIGION, NATIONAL ORIGIN, SEX

In addition to the protection of Title VII of the Civil Rights Act of 1964, as amended, Title VI of the Civil Rights Act prohibits discrimination on the basis of race, color or national origin in programs or activities receiving Federal financial assistance. Employment discrimination is covered by Title VI if the primary objective of the financial assistance is provision of employment, or where employment discrimination causes or may cause discrimination in providing services under such programs. Title IX of the Education Amendments of 1972 prohibits employment discrimination on the basis of sex in educational programs or activities which receive Federal assistance.

INDIVIDUALS WITH DISABILITIES

Sections 501, 504 and 505 of the Rehabilitation Act of 1973, as amended, prohibits employment discrimination on the basis of disability in any program or activity which receives Federal financial assistance in the federal government. Discrimination is prohibited in all aspects of employment against persons with disabilities who, with reasonable accommodation, can perform the essential functions of a job.

If you believe you have been discriminated against in a program of any institution which receives Federal assistance, you should contact immediately the Federal agency providing such assistance.

STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION

FIELD INSPECTION DOCUMENT
(For Estimated Fixed Quantity Items)

Contract #: _____

Date: _____

This documents to the record that the following inspection was performed in a sound engineering manner to the extent which my judgment deemed necessary:

- Forms for P.C.C. Masonry
- Rebars for P.C. C. Masonry
- _____

(Mark one)

- Estimated fixed quantity item
- _____

Location and/or description of inspected work

(Mark one)

- The work reasonably conformed to the plans, specifications or applicable approved changes.
- _____

Signed _____

| Remarks |
|---------|
| |
| |
| |
| |
| |
| |

| Sketches |
|----------|
|----------|

| Materials Received |
|--------------------|
|--------------------|

Visitors

Inspector _____

Delaware Department of Transportation

| DELAWARE DEPARTMENT OF TRANSPORTATION | | | | | | | DATE _____ | |
|--|--------------|----------------|--------------|--------------------------------|--------------|------------------------|--------------|---------|
| BRIDGE SECTION (ENGLISH) | | | | | | | | |
| <u>PILE DRIVING RECORD</u> | | | | | | | | |
| FOUNDATION FOR _____ | | | | | | | | |
| CONTRACTOR _____ | | | | TYPE OF PILE _____ | | | | |
| FOOTING NO. _____ | | | | TIP DIAM. _____ | | BUTT DIAM. _____ | | |
| PILE NO. _____ | | | | LENGTH OF PILE AS DRIVEN _____ | | | | |
| DRIVING RIG NO. _____ | | | | ELEVATION OF GROUND _____ | | | | |
| TYPE OF HAMMER _____ | | | | ELEVATION OF CUT-OFF _____ | | | | |
| ENERGY: _____ LB-F-FT @ _____ | | | | BLOWS/MIN _____ | | ELEVATION OF TIP _____ | | |
| AVERAGE BLOWS PER MIN. _____ | | | | PAY LENGTH: PILE _____ | | CUT-OFF _____ | | |
| ft OF PENETR'N | BLOWS PER ft | ft OF PENETR'N | BLOWS PER ft | ft OF PENETR'N | BLOWS PER ft | ft OF PENETR'N | BLOWS PER ft | REMARKS |
| 1 | | 26 | | 51 | | 76 | | |
| 2 | | 27 | | 52 | | 77 | | |
| 3 | | 28 | | 53 | | 78 | | |
| 4 | | 29 | | 54 | | 79 | | |
| 5 | | 30 | | 55 | | 80 | | |
| 6 | | 31 | | 56 | | 81 | | |
| 7 | | 32 | | 57 | | 82 | | |
| 8 | | 33 | | 58 | | 83 | | |
| 9 | | 34 | | 59 | | 84 | | |
| 10 | | 35 | | 60 | | 85 | | |
| 11 | | 36 | | 61 | | 86 | | |
| 12 | | 37 | | 62 | | 87 | | |
| 13 | | 38 | | 63 | | 88 | | |
| 14 | | 39 | | 64 | | 89 | | |
| 15 | | 40 | | 65 | | 90 | | |
| 16 | | 41 | | 66 | | 91 | | |
| 17 | | 42 | | 67 | | 92 | | |
| 18 | | 43 | | 68 | | 93 | | |
| 19 | | 44 | | 69 | | 94 | | |
| 20 | | 45 | | 70 | | 95 | | |
| 21 | | 46 | | 71 | | 96 | | |
| 22 | | 47 | | 72 | | 97 | | |
| 23 | | 48 | | 73 | | 98 | | |
| 24 | | 49 | | 74 | | 99 | | |
| 25 | | 50 | | 75 | | 100 | | |
| PILE DRIVING INSPECTOR _____ | | | | | | | | |
| CONSTRUCTION SUPERVISOR _____ | | | | | | | | |

| | | | | |
|--|-------|----------------------|--------------------------|----------|
| <p>STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS</p> | | | | |
| <p>ROUTINE LABOR RELATIONS INTERVIEW</p> | | | | |
| Project Name _____ | | | | |
| 1. Contractor or subcontractor (Employer) | | | 2. Contract Number | |
| Employee Statements | | | | |
| 3. Name | | 4. Address | | |
| 5. Work Classification(s) _____ Wage Rate (s) Received _____ (If apprentice, give period of training) | | | | |
| 6. Have you seen the posted minimum wage rates for this job? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| 7. Are you paid your full wages regularly each week without any deductions other than social security, income tax, U.S. Savings Bonds, medical or hospitalization insurance, or regular union initiation fees or membership dues? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| 8. Have you done work which you believe you should have been paid for at a higher rate i.e., have you been misclassified? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| 9. Additional Comments | | | | |
| Interviewer's Comments | | | | |
| 10. Work employee was performing when interviewed. | | | | |
| 11. Were minimum wage rates properly posted? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| 12. Other pertinent comments. | | | | |
| DATE | TIME | Title of Interviewer | Signature of Interviewer | DISTRICT |
| For use of Checker | | | | |
| 13. Is above information in agreement with payroll data? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| 14. Is above information in agreement with requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| 15. Additional Comments | | | | |
| Date of Check | Title | | Signature | |

CN-30-5/74

DOCUMENT NO. 654178/85

| | | | |
|--------------|--|-------------------|-------|
| Contract No. | Field Measurements And | Source Document # | |
| Item: | Preliminary Calculations of Quantities | By: | Date: |
| | | Entered In: | Date: |

CN-11 6/83

Doc. # 55-04/78/05/09

Delaware Department of Transportation

Contract No:
Title of Contract:

Source of Supply
Materials & Research
Delaware Department of Transportation

Contractor: _____
Sub-Contractor: _____
Date: _____

District: _____

| Specification # | Item Description | Material | Supplier | Manufacturer | Address & Contact # | Alternate Manufacturer |
|-----------------|------------------|----------|----------|--------------|---------------------|------------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

TEMPORARY AGREEMENT TO TRESPASS

The State of Delaware, Department of Transportation, Division of Transportation Solutions requests your permission to trespass upon your property in order to perform work that is necessary under Contract No. _____ as described below: _____

This does not imply conveyance of any of your land. All work will be done at the expense of the State unless otherwise specified above.

DeIDOT shall cause its Contractor to indemnify, defend and hold harmless owner and its agents from and against any costs or damage of any kind, including attorney fees arising out of the Contractors entry upon lands of owner. DeIDOT shall cause its Contractor to leave property in pre-entry condition.

This Agreement shall terminate upon completion of the work. If the foregoing meets with your approval, please signify by signing this agreement.

Property Owner' Name

Recommended By
(Project Engineer/Supervisor)

Date

Owner's Address

Approved (District
Engineer/Assistant
District Engineer)

Date

Signature of Owner

Date

cc: District Office
Right of Way Office
Project Engineer/Supervisor

**DELAWARE DEPARTMENT OF TRANSPORTATION
TEST PILE DRIVING RECORD
(ENGLISH)**

DATE _____ SHEET _____ OF _____

| | | | | | | |
|----------------------------------|---|----------------------|---------------------------|-----------------------|----------------------------------|--|
| PROJECT | NUMBER _____ | DEPTH OF TIP (ft) | NO. OF BLOWS PER METER | HAMMER INFORMATION | COMPUTED BEARING (US TONS) | REMARK: (Splice, pre-drill auger, obstruction breakdown, jetting, refusal, etc.) |
| | DIVISION _____ | | | | | |
| | LOCATION _____ | | | | | |
| | CONTRACTOR _____ | | | | | |
| Reference Point Elevation: _____ | | | | | | |
| HAMMER | TYPE _____ | | | | | |
| | MAKE & MODEL _____ | | | | | |
| | WEIGHT OF STRIKING PARTS: _____ lb | | | | | |
| | RATED ENERGY: _____ lbf-ft @ _____ blows / min _____ lbf-ft per blow @ _____ ft | | | | | |
| PILES | TYPE _____ | | | | | |
| | NUMBER _____ | | | | | |
| | STRUCTURAL UNIT _____ | | | | | |
| | TIP DIA. _____ | | | | | |
| | BUTT DIA. _____ in | | | | | |
| | GAGE NO. _____ in | | | | | |
| | REQUIRED BEARING _____ US ton | | | | | |
| | REQUIRED PENETR. _____ ft | | | | | |
| | PLAN LENGTH _____ ft | | | | | |
| | LENGTH IN LEADS 1) _____ ft | | | | | |
| | 2) _____ ft | | | | | |
| | TOTAL _____ ft | | | | | |
| GROUND ELEVATION _____ ft | | | | | | |
| TIP ELEVATION _____ ft | | | | | | |
| CUT-OFF LENGTH _____ ft | | | | | | |
| FINAL PILE LENGTH _____ ft | | | | | | |
| TOTAL DRIVING TIME _____ min | | | | | | |
| INSTRUCTIONS | HAMMER INFORMATION to be _____ with each blow count: | | | | | |
| | 1. Single-acting and gravity: Average fall of hammer | | | | | |
| | 2. Double-acting and differential-acting: Blows per minute | | | | | |
| | 3. Enclosed-ram diesel hammer: record bounce chamber pressure indication under remarks: | | | | | |
| Inspector in charge: _____ | | | | | | |
| Recorder: _____ | | | | | | |
| Distribution Instructions: | | | | | | |
| Original - Bridge Engineer | | | | | | |
| 1 copy - Division Engineer | | | | | | |
| 1 copy - Construction Engineer | | | | | | |
| 2 copies - Project Field Office | | | | | | |

STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH

Traffic Markings Report

(ENGLISH)

| | | |
|-----------------|---------------|-----------|
| Test No. | Contract | |
| Sample of | Date Sampled | |
| Sampled by | Date Received | |
| Contractor | Date Tested | |
| Manufacturer | Quantity | |
| Supply Location | Code | Batch No. |

| TEST | RESULTS | SPECIFICATION |
|------------------------------------|---------|---------------|
| Wgt of a gal. @ 77 °F | _____ | _____ ±0.25 |
| Consistency @ 77 °F, (Krebs Units) | _____ | _____ ±5 |
| Drying Time @ _____ mils, (mins.) | _____ | _____ |
| Non-Volatile Content, % | _____ | _____ ±2% |
| Pigment Content, % | _____ | _____ ±2% |
| Non-Volatile in Vehicle, % | _____ | _____ ±2% |

Reference to Pennsylvania Traffic Markings Performance Program.

Remarks:

Material represented by this sample has been _____

Tested by _____
Reported by _____

Laboratory Manager