

FP-14  
SPECIAL CONTRACT REQUIREMENTS  
For

**Jacobs Way Wellness Center  
Parking Lot  
Project No. J52555-0108.10**

Grade, Place Aggregate Base Course,  
Asphalt Concrete, Permanent Signing, Lighting  
and Pavement Markings on

**Route 0108-10**

for the

**KARUK TRIBE  
SISKYOU COUNTY, CALIFORNIA**

**May 2020**



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## **SPECIAL CONTRACT REQUIREMENTS**

The following Special Contract Requirements amend and supplement the *Standard Specifications for Construction of Roads and Bridges, on Federal Highway Projects (FP-14)*, U.S. Department of Transportation, Federal Highway Administration.

## DIVISION 100 GENERAL REQUIREMENTS

Delete the words “Contracting Officer (CO), CO, and Government and replace with “Tribe” for the entire FP-14.

### Section 101. – TERMS, FORMAT, AND DEFINITIONS

#### 101.03 Abbreviations.

(a) **Acronyms.** Add the following:

**BIA** — Bureau of Indian Affairs

(b) **US Customary abbreviations and symbols.** Delete the text and add the following:

<b>A</b>	— ampere	electric current
<b>ac.</b>	— acre	area
<b>BTU</b>	— British Thermal Unit	energy
<b>cu. in. or in<sup>3</sup></b>	— cubic inches	volume
<b>cu. ft., cf, ft<sup>3</sup> or CUFT</b>	— cubic feet	volume
<b>cu. yd., cy, yd<sup>3</sup> or CUYD</b>	— cubic yards	volume
<b>D</b>	— day	time
<b>deg. or °</b>	— degree	plane angle
<b>Fc</b>	— foot-candles	luminous intensity
<b>fl. oz.</b>	— fluid ounces	volume
<b>ft. or '</b>	— foot or feet	length
<b>gal. or GAL</b>	— gallon	volume
<b>H</b>	— Henry	inductance
<b>hr. or HR</b>	— hour	time
<b>Hz</b>	— hertz (s <sup>-1</sup> )	frequency
<b>in. or "</b>	— inch or inches	length
<b>K</b>	— kelvin	temperature
<b>lb or LB, lbs</b>	— pound, pounds	mass
<b>Lbf</b>	— pound-force	force
<b>lnft or LNFT</b>	— linear foot	length
<b>mi.</b>	— miles	length
<b>min. or m</b>	— minute	time
<b>min. or '</b>	— minute	plane angle
<b>°F</b>	— degrees Fahrenheit	temperature
<b>oz.</b>	— ounces	mass
<b>Psi</b>	— pounds/square inch	pressure
<b>Q</b>	— cubic feet/second	flow rate

<b>sec.</b> or <b>s</b>	— second	time
<b>sec.</b> or <b>"</b>	— second	plane angle
<b>sq. in.</b> or <b>in<sup>2</sup></b>	— square inches	area
<b>sq. ft., sf, ft<sup>2</sup></b> or <b>SQFT</b>	— square feet	area
<b>sq. yd., sy, yd<sup>2</sup></b> or <b>SQYD</b>	— square yards	area
<b>T</b>	— short ton (2000 lbs)	mass
<b>V</b>	— volt (W/A)	electric potential
<b>W</b>	— watt (J/s)	power
<b>YD</b>	— yard or yards	length
<b>Ω</b>	— ohm V/A	electric resistance

(c) **Metric unit abbreviations and symbols.** Delete the text and add the following:

<b>A</b>	— ampere	electric current
<b>Cd</b>	— candella	luminous intensity
<b>°C</b>	— degree Celsius	temperature
<b>D</b>	— day	time
<b>deg.</b> or <b>°</b>	— degree	plane angle
<b>g</b> or <b>gram</b>	— gram	mass
<b>H</b>	— Henry	inductance
<b>Ha</b>	— hectare	area
<b>hr.</b> or <b>HR</b>	— hour	time
<b>Hz</b>	— hertz (s <sup>-1</sup> )	frequency
<b>J</b>	— Joule (N·m)	energy
<b>K</b>	— kelvin	temperature
<b>Kg</b>	— kilogram	mass
<b>L</b>	— liter	volume
<b>Lx</b>	— lux	illuminance
<b>M</b>	— meter	length
<b>mm</b>	— millimeter	length
<b>m<sup>2</sup></b>	— meter squared	area
<b>m<sup>3</sup></b>	— cubic meter	volume
<b>min.</b> or <b>m</b>	— minute	time
<b>min.</b> or <b>'</b>	— minute	plane angle
<b>N</b>	— Newton (kg·m/s <sup>2</sup> )	force
<b>Pa</b>	— Pascal (N/m <sup>2</sup> )	pressure
<b>sec.</b> or <b>s</b>	— second	time
<b>sec.</b> or <b>"</b>	— second	plane angle
<b>Sta.</b>	— station	Length
<b>T</b>	— metric ton	Mass
<b>V</b>	— volt (W/A)	electric potential
<b>W</b>	— watt (J/s)	Power
<b>Ω</b>	— ohm V/A	electric resistance

**101.04 Definitions.**

Add the following:

**Subcontractor** Delete the text and substitute the following:

**Subcontractor** – An individual or legal entity with which the Contractor sublets part of the work. This includes subcontractors and material suppliers at any tier.

**Tribe** – The Karuk Tribe

## **Section 105. — CONTROL OF MATERIAL**

### **105.01 Source of Supply and Quality Requirements. Add the following:**

Materials containing petroleum-based solvents such as cutback asphalts and traffic paints may be restricted from use by local laws or ordinances in certain geographic areas. Upon presenting proof of such restrictions, alternate materials considered acceptable to the Tribe may be substituted for the materials specified in the contract.

**Section 106. — ACCEPTANCE OF WORK**

**106.02 Visual Inspection.** Delete the Subsection and substitute the following:

**106.02 Visual Inspection.** Acceptance is based on visual inspection of the work for compliance with the contract requirements. In the absence of specific contract requirements or tolerances, use prevailing industry standards.

**106.03 Certification.** Add the following after the second paragraph:

See Table 106-3 for schedule for full or partial acceptance by material certification. Submit certification and sample of material for testing as required.

Delete the third paragraph and substitute the following:

Check certifications before incorporating the material into the work to ensure that the requirements of the contract have been met. Mark the certifications with the following information:

- Project number and name;
- Pay item number and description;
- Contractor signed certification stating “to the best of our knowledge the materials certified by the attached certification represent the materials incorporated into the work of this contract”; and
- Date.

**Table 106-3 Schedule For Full or Partial Acceptance by Materials Certification.** Add Table 106-3 following Table 106-2.

**Table 106-3  
Schedule For Full or Partial Acceptance by Materials Certification**

Section	Description	Material	Material Property Or Specification	Frequency	
				Certification	Sample
<b>302</b>	Minor Crushed Aggregate	Crushed Aggregate	Source, Quality and Gradation	1 per source	1 per source
<b>312</b>	Dust Palliative	Calcium Chloride Magnesium Chloride, Lignosulfonate,	As specified	1 per shipment	First shipment
<b>403</b>	Asphalt Concrete	Aggregate Asphalt Mix	Source quality, Gradation, Stability, and Grade	1 per mix	1 per source
<b>634 and 635</b>	Permanent Pavement Markings, Temporary Traffic Control	634.02 as applicable, 635 as applicable	As specified	1 per source	-----



Section	Description	Material	Material Property Or Specification	Frequency	
				Certification	Sample
701	Hydraulic Cement	Portland Cement, Blended Hydraulic Cement, Masonry and Mortar Cement	AASHTO M 85, M 240, ASTM C 91 and ASTM C1392 as applicable	1 per shipment	1 per 100 tons
702.01	Asphalt Material	Asphalt Cement	AASHTO M 226 or M 320, as applicable	1 per shipment	1 per shipment
702.02	Asphalt Material	Emulsified Asphalt	AASHTO M 140 or M 208 as applicable	1 per shipment	1 per shipment
702.03	Asphalt Material	Asphalt Materials used for Damproofing and Waterproofing Concrete and Masonry Surfaces	As specified for each type of asphalt material	1 per shipment	-----
702.05	Antistrip	As specified	As applicable	1 per shipment	-----
706	Concrete and Plastic Pipe	As specified	As applicable	1 per shipment	-----
707	Metal Pipe	As specified	As applicable	1 per shipment	-----
708	Plastic Pipe	As specified	As applicable	1 per shipment	-----
709	Reinforcing and Prestressing Steel	As specified	As applicable	1 per shipment	For 709.01 submit 3, 1-yard (1-meter) bars of each size and grade of bar furnished.  709.02 submit 1 6-foot (2-meter) length for each size furnished
710	Fence and Guardrail	As specified	As applicable	1 per shipment	-----
711	Concrete Curing Material and Admixtures	As specified	As applicable	1 per material source per material type	-----
712	Joint Material (all)	As specified	As applicable	1 per shipment	-----
713	Roadside Improvement Materials (all)	As specified	As applicable	1 per shipment	-----
714	Geosynthetic Material (all)	As specified	As applicable	1 per shipment	1 per project per type
715	Piling	As specified	As applicable	1 per shipment	-----
716	Material for Timber Structures	Timber and Hardware	As applicable	1 per shipment	-----
717	Structural Metal	As specified	As applicable	1 per shipment	717.01(e) minimum

Section	Description	Material	Material Property Or Specification	Frequency	
				Certification	Sample
					6 per shipment for each size used.  717.10 1 per project
718	Traffic Signing and Marking Material (all)	As specified	As applicable	1 per shipment	-----
719	Paint	As specified	As applicable	1 per batch\lot	1 sample for quantities > 25 gallons (100L)
720	Structural Wall and Stabilized Embankment Material (all)	As specified	As applicable	1 per shipment per material type	-----
721	Electrical and Illumination Material (all)	As specified	As applicable	1 per shipment per material type	-----
722	Anchor Material	As specified	As applicable	1 per shipment per material type	-----
725	Miscellaneous materials	As specified	As applicable	1 per shipment per material type	-----

## Section 107. - LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

**107.05 Responsibility for Damage Claims.** Delete the first sentence of the third paragraph and substitute the following:

Before work begins, submit “*certificates of insurance*” certifying that the policies will not be changed or canceled until 30 days written notice has been given to the Tribe.

### **107.10 Environmental Protection.**

**(a) Federal Water Pollution Control Act (Clean Water Act) 33 USC § 1251 et seq.** Add the following:

- (4) Do not ford running streams with construction equipment. Obtain approval from the Tribe to use temporary bridges or other structures whenever crossings are necessary.
- (5) Immediately clear ephemeral drainages, intermittent and perennial streams, lakes and reservoirs of all work items, debris or other obstructions placed by or resulting from construction operations.
- (6) Locate machinery servicing and refueling areas away from streambeds and washes to reduce the possibility and minimize the impacts of accidental spills or discharges.

**(b) Oil and hazardous substances.** Add the following to the end of the third paragraph:

Sand or soils are not approved absorbent materials.

Add the following to the end of the fourth paragraph:

Report the spill to the appropriate federal, state, and local authorities as required by the SPCC plan or hazardous spill plan.

**(c) Dirt, plant, and foreign material.** Add the following:

All vehicles and equipment entering the project area must be clean of noxious weeds and free from oil leaks and are subject to inspection. Wash all construction equipment to thoroughly remove all dirt, plant, and other foreign material prior to entering the project. Particular attention must be shown to the under carriage and any surface where soil containing exotic seeds may exist. Allow the Tribe to inspect each piece of equipment before entering the project. Provide the cleaning and inspection records to the Tribe. Equipment found operating on the project that has not been inspected, or has oil leaks will be shut down and subject to citation.

# DIVISION 150 PROJECT REQUIREMENTS

## Section 151. — MOBILIZATION

### Payment

**151.03** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
15101	Mobilization ,	L.S.

**Section 152. — CONSTRUCTION SURVEY AND STAKING**

**Construction Requirements**

**152.05 Survey and Staking Requirement.**

**(f) Grade-finishing stakes.** Delete paragraph (1) AMG method.

**Measurement**

**152.07** Delete the third paragraph and substitute the following:

Do not measure miscellaneous survey and staking.

**Payment**

**152.08** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
15201	Construction Survey and Staking	L.S.

**Section 154. — CONTRACTOR SAMPLING AND TESTING**

**Construction Requirements**

**154.03 Sampling.** Add the following:

Perform the initial curing of all concrete test cylinders. Provide for transporting the Tribe verification cylinders location designated by the Tribe.

Label each concrete mold with the name and number of the Project, the cylinder number, date molded, location of the sample, and the test age (i.e. – 7, 14, or 28 days). Label the mold after casting and the cylinder after stripping to ensure the sample can be identified throughout the entire curing process.

Provide the required cylinder molds.

**154.04 Testing** Add the following:

Where Process Control Sampling and Testing frequencies are identical to the Sampling, Testing, and Acceptance Tables at the end of each Section for all applicable work, the Process Control Samples may be used for acceptance.

**Payment**

**154.08** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
15401	Contractor Sampling and Testing	L.S.

**Section 155. — SCHEDULES FOR CONSTRUCTION CONTRACTS**

**Measurement**

**155.09** Delete this section and replace with the following:

The Construction schedule will not be measured directly for payment but will be considered a subsidiary obligation of the Contract.

**Section 157. — SOIL EROSION AND SEDIMENT CONTROL**

**157.04 General.** Add the following:

Do not designate the project superintendent as the Erosion Control Supervisor.

**Payment**

**157.18** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
15701	Soil Erosion and Sediment Control	L.S.



**Section 158. — WATERING FOR DUST CONTROL**

**Measurement**

**158.05** Delete this section and replace with the following:

The Watering for Dust Control will not be measured directly for payment but will be considered a subsidiary obligation of the Contract.

**DIVISION 200 EARTHWORK**

**Section 201. — CLEARING AND GRUBBING**

**Payment**

**201.09** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
20102	Clearing and Grubbing	L.S.

**Section 203. — REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

**Construction Requirements**

**203.04 Removing Material.**

(c) **Concrete removal in repair areas.** Add the following to the second paragraph:

Use hand tools (hammers and chisels) to remove final particles of concrete or to achieve the required depth.

**203.05 Disposing of Material.**

(a) **Remove from Project.** Add the following:

Secure clearances according to Subsection 107.10.

(b) **Burn.** Delete the subsection.

(c) **Bury.** Delete the subsection.

**Payment**

**203.08** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
20303	Removal of Concrete	S.Y.

**Section 204. — EXCAVATION AND EMBANKMENT**

**Construction Requirements**

**204.14 Disposal of Unsuitable or Excess Material.** Add the following:

Secure environmental clearances according to Subsection 107.10(d).

**Measurement**

**(a) Roadway excavation.**

**Delete** this section and replace with the following:

Roadway excavation will be paid for as the contract quantity shown in the bid schedule. The contract quantity will be adjusted for authorized changes that affect the quantity. If there is evidence that the original contract quantity is incorrect, submit calculations and drawings indicating where the quantity needs to be adjusted.

**(g) Subexcavation.**

**Delete** this section and replace with the following:

Subexcavation will be paid for as the contract quantity shown in the bid schedule. The contract quantity will be adjusted for authorized changes that affect the quantity. If there is evidence that the original contract quantity is incorrect, submit calculations and drawings indicating where the quantity needs to be adjusted.

**Add:**

**(h) Ditch excavation.** Measure ditch excavation by the linear foot.

**Payment**

**204.17** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
20401	Roadway Excavation	C.Y.

# DIVISION 300 AGGREGATE AND BASE COURSES

## Section 302. — MINOR CRUSHED AGGREGATE

**302.06 Acceptance.** Add the following to the second paragraph:

Sample material from the windrow or roadbed after processing but prior to compaction at the frequency shown in Table 302-1. Submit samples to the Tribe for verification. Materials that do not meet the approved certification will be considered unacceptable.

### Payment

**302.08** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
30201	Roadway Aggregate Base, Method 2	C.Y.

Delete Table 302-1 and substitute the following:

**Table 302-1  
Sampling, Testing, and Acceptance Requirements**

Material or Product (Subsection)	Type of Acceptance (Subsection)	Characteristic	Test Methods Specifications	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time	Remarks
<b>Production</b>								
Crushed aggregate <sup>(1)</sup>	Measured and tested for conformance (106.04)	Moisture-Density	AASHTO T 180, Method D <sup>(3)</sup>	1 per aggregate supplied	Production output or stockpile	No	Before using in work	—
		Gradation <sup>(2)</sup>	AASHTO T11 and T27	1 per 500 tons (450 metric tons)	From the windrow or roadbed after processing.		Before placing next layer	
		Density	AASHTO T310 or other approved procedures	1 per 500 tons (450 metric tons)	In-place after compaction	"	Before placing next layer	For Method 2 compaction only
Crushed aggregate	Process control (153.03)	Moisture content (in-place)	"	"	"	"	"	—
<b>Finished Product</b>								
Crushed aggregate	Measured and tested for conformance (106.04)	Surface tolerance & grade	Subsection 301.06	Determined by the Tribe	Surface of final course	No	Before placement of next layer or as requested	—

<sup>(1)</sup> Sampling and testing required for roadway aggregate.

<sup>(2)</sup> Use only sieves indicated for the specified gradation.

<sup>(3)</sup> Minimum of 5 points per proctor.

# DIVISION 400 ASPHALT PAVEMENTS AND SURFACE TREATMENTS

## Section 403. — ASPHALT CONCRETE

### Description

#### 403.01 Add the following:

Asphalt binder is designated according to AASHTO M 320.

### Construction Requirements

#### 403.02 **Composition of Mix (Job-Mix Formula).** Add the following:

The Tribe may perform mix design-verification testing to confirm the mix meets the contract requirements. If verification testing is required, submit a loose mix sample to the Tribe 14 days prior to placement.

#### 403.09 **Compacting.** Add the following:

For HMA, do not roll the mix after the surface cools below 175 °F (80°C).

Along forms, curbs, headers, walls, and other places not accessible to the rollers, compact the mix with alternate equipment to obtain the required compaction.

#### 403.12 **Acceptance.** Add the following:

During production placement of the mix, sample loose mix and compacted cores according to Table 403-2 and submit to the Tribe for acceptance. Materials that do not meet the approved job-mix formula are considered unacceptable.

### Payment

#### 403.14 Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
40301	Hot Asphalt Concrete Pavement, Type 1	TON

Delete Table 403-2 and substitute the following:

**Table 403-2  
Sampling, Testing, and Acceptance Requirements**

<b>Material or Product (Subsection)</b>	<b>Type of Acceptance (Subsection)</b>	<b>Characteristic</b>	<b>Test Methods Specifications</b>	<b>Sampling Frequency</b>	<b>Point of Sampling</b>	<b>Split Sample</b>	<b>Reporting Time</b>	<b>Remarks</b>
<b>Mix Design</b>								
Asphalt concrete mixture Type I (403.02(a))	Measured and tested for conformance (106.04)	Job-mix formula	Subsection 403.02(a)	When requested by the Tribe.	Flowing mix stream (bin or belt discharge) or behind the paver before compaction.	Yes	Before approval of job-mix formula	Tested by the Tribe
<b>Production</b>								
Asphalt concrete, Type I (403.02(a))	Measured and tested for conformance (106.04)	Job-mix formula	Subsection 403.02	1 per 700 tons (650 metric tons)	Behind the paver before compaction.	Yes		Deliver cores to Tribe for testing
		Density <sup>(1)</sup>	AASHTO T 166	“	In-place after Compacting	“		‘
		Maximum specific gravity	AASHTO T 209 <sup>(2)</sup>	“	Behind the paver before compaction	“		‘
		Surface Tolerance	Straightedge measurement, Subsection 403.11	Continuously, after compaction	Finished pavement surface	No		–
		Placement temperature	–	First load and as determined by Tribe thereafter	Hauling vehicle before dumping, or windrow before pickup	”	Upon completion of measurement	–



**Table 403-2 (continued)  
Sampling, Testing, and Acceptance Requirements**

Material or Product (Subsection)	Type of Acceptance (Subsection)	Characteristic	Test Methods Specifications	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time	Remarks
<b>Production</b>								
	Process control (153.03)	Gradation at the plant	AASHTO T 27 & T 11	Contractor determined	Cold feed or hot bins as applicable	"	24 hours	—
		Moisture content of aggregates	AASHTO T 255	"	Stockpile	"	"	—
		Density	ASTM D2950	1 per 500 feet (150 meters)	In-place after compacting	"	"	—
Asphalt concrete, Type II (403.02(b))	Measured and tested for conformance (106.04)	"	"	3 per 700 tons (650 metric tons)	In-place after compacting	"	"	—

(1) Dry cores to constant mass at 125±5°F (52±3 °C) or vacuum dry, ASTM D7227 before testing. For asphalt concrete Type I, cut two 6-inch (150-millimeter) diameter side by side cores. Remove them with a core retriever and fill and compact the core holes with asphalt concrete mixture. Label the cores and protect them from damage due to handling and temperature. Submit one core for verification testing. Dry the other core to constant mass at 125±5 °F (52±3 °C) or vacuum dry it according to ASTM D7227 before performing the core density and measuring the thickness. Use 62.245 pounds per cubic foot (997.1 kilograms per cubic meter) to convert specific gravity to density. Use AASHTO T 166 regardless of the volume of water absorbed. Use the average maximum specific gravity value (AASHTO T 209) of the first three samples to determine the percent compaction of each Lot.

(2) Do not use the dry back method (Section 11 of AASHTO T 209).

## DIVISION 600 INCIDENTAL CONSTRUCTION

### Section 609. — CURB AND GUTTER

#### Payment

**609.11** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
60901	Curb and Gutter, Concrete	L.F.
60906	Valley Gutter, Concrete	S.Y.

**Section 633. — PERMANENT TRAFFIC CONTROL**

**Payment**

**633.10** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
63301	Sign System	EA.

## Section 634. — PERMANENT PAVEMENT MARKINGS

### Construction Requirements

**634.04 Solventborne Traffic Paint (Type A).** Delete the Subsection and substitute the following:

Apply paint when the pavement and air temperature are at 35°F and rising. Do not heat the paint above 120°F. Apply paint at a rate of 100 square feet per gallon.

Apply two applications of paint. Apply the second coat in the opposite direction of the first application. Apply the second application after the first is tack free.

**634.05 Waterborne Traffic Paint (Type B and C).** Delete the Subsection and substitute the following:

Apply paint when the pavement and air temperature are at 50°F (10°C) and rising.

**(a) Type B.** Do not heat the paint above 120°F (49°C). Apply paint at a rate of 100 square feet per gallon (2.5 square meters per liter).

Apply two applications of paint. Apply the second coat in the opposite direction of the first application. Apply the second application after the first is tack free.

**(b) Type C.** Do not heat the paint above 120°F (49°C). Apply paint at a rate of 70 square feet per gallon (1.7 square meters per liter).

### Measurement

#### 634.12

Delete the second paragraph and substitute the following:

When pavement markings are measured by the linear foot, measure the length of line applied along the centerline of each line applied regardless of color or line width. Measure broken or dotted pavement lines from end to end of the line including gaps. Measure solid pavement lines from end to end of each continuous line. For wide lines (12 inches in width or greater), adjust the measured length of line in the ratio of the required width to 4 inches.

## Payment

**634.13** Add the following:

Payment will be made under:

<u>Pay Item</u>	<u>Description of Item</u>	<u>Pay Unit</u>
63401	Pavement Marking, Type K, Solid	L.F.
63403	Pavement Markings, Type K, Straight Arrow	EA.

## Section 635. — TEMPORARY TRAFFIC CONTROL

### Description

**635.01** Delete the second paragraph and substitute the following:

Arrow board, portable changeable message sign, barricade, and warning light types are designated in the MUTCD.

### Material

**635.02** Delete the Subsection and substitute the following:

**635.02** Conform to the MUTCD and the following Sections and Subsections:

Concrete barrier (temporary)	618
Delineator and object marker retroreflectors	718.08
Guardrail (temporary)	617
Retroreflective sheeting	718.01
Sign panels	718.03
Sign posts	718.04
Sign hardware	718.06
Temporary plastic fence	710.11
Temporary pavement markings	718.16

### Construction Requirements

**635.07 Construction Signs.** Delete the first paragraph and substitute the following:

Fabricate and install sign panels according to Subsection 633.05. Use Type III, IV, VIII, IX, or XI prismatic retroreflective sheeting. Use fluorescent sheeting for orange signs. For roll-up signs, use fluorescent Type VI retroreflective sheeting.

Add the following:

Provide the same type of sheeting on all post-mounted construction signs that pertain to the project.

Use crashworthy posts within the traversable area adjacent to traffic.

**635.09 Flaggers.** Add the following:

Perform the work described under MUTCD Part 6.

**Payment**

**635.25** Add the following:

Payment will be made under:

<b><u>Pay Item</u></b>	<b><u>Description of Item</u></b>	<b><u>Pay Unit</u></b>
63501	Temporary Traffic Control	L.S.

## **DIVISION 700 MATERIAL**

### **Section 702. — ASPHALT MATERIAL**

**702.01 Asphalt Binder.** Delete the Subsection and add the following:

**702.01 Asphalt Binder.** Conform to M 320, Table 1.

In AASHTO M 320, Table 1 replace footnote *g* with the following:

<sup>g</sup> If the creep stiffness is below 300 MPa, the direct tension test is not required. If the creep stiffness is between 301 and 600 MPa, the creep stiffness value shall be used. The *m*-value requirement must be satisfied in both cases.