

Special Provisions

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Switch articles 4 and 5.

0060.03
repeated

Articles missing for:
204.0109.S
646.1041.S
646.3041.S

415.5100.S is in LAX, but not in EST

SPV.0105.01 in EST, not in LAX or LTR

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 1070-04-75, La Crosse – Sparta, STH 157 Interchange, IH 90, La Crosse County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2019 Edition, as published by the department, and these special provisions.

If all or a portion of the plans and special provisions are developed in the SI metric system and the schedule of prices is developed in the US standard measure system, the department will pay for the work as bid in the US standard system.

100-005 (20181119)

2. Scope of Work.

The work under this contract shall consist of select concrete pavement replacement, patching, grinding, asphalt overlay, select curb and gutter replacement, beam guard, signals, signing, pavement marking and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

3. Prosecution and Progress.

Begin work within ten calendar days after the engineer issues a written notice to do so.

Provide the start date to the engineer in writing within a month after executing the contract but at least 14 calendar days before the preconstruction conference. Upon approval, the engineer will issue the notice to proceed within ten calendar days before the approved start date.

To revise the start date, submit a written request to the engineer at least two weeks before the intended start date. The engineer will approve or deny that request based on the conditions cited in the request and its effect on the department's scheduled resources.

Complete construction operations of all work specified in the contract and according to the following interim completion requirements:

- Once work commences on Stage 5 (CTH PH) as indicated in the Construction Staging special provisions and the plans, all work on that stage shall be completed and CTH PH and Jansen Place completely open to traffic within 35 calendar days.
- Once work commences on Stage 6 (CTH SS), all work on that stage shall be completed and CTH SS and Crossing Meadows Drive completely open to traffic within 60 calendar days.

If the contractor fails to complete the work as described in this section of the special provisions, the department will assess the contractor \$2070 in interim liquidated damages for each calendar day where the interim completion requirements described are not met. An entire calendar day will be charged for any period of time within a calendar day that work is not complete beyond 12:01PM on the required completion date and 12:01AM every day thereafter.

If contract time expires prior to completing all work specified in the contract, additional liquidated damages will be affixed according to standard spec 108.11.

Construction Staging

Roadway closures or lane reductions will have time restrictions throughout project duration. Time restrictions vary by type of work and direction of travel.

Stages 1 thru 4 may be completed concurrently with engineer's approval. Stages 4 thru 6 may be completed concurrently with engineer's approval.

STH 157 Staging

Stage 1: STH 157 from STH 16 to CTH PH and STH 157/STH 16 intersection will be completed during nighttime hours.

Stage 1A: Complete repairs, sign bridge, and signal work.

Add STH 157 westbound? at the beginning if true.

I think we should change this to read that if 157 is closed then the turn lanes need to be closed - or somehow of letting them know the closures happen together.

STH 157 westbound between STH 16 and CTH PH, may be closed from 9pm to 6am. Right turn lane from STH 16 westbound to STH 157 westbound, may be closed from 9pm to 6am. Dual left turn lanes from STH 16 eastbound to STH 157 westbound, may be closed from 9pm to 6am. Traffic will be detoured via STH 16 to IH 90 to STH 157.

STH 157 westbound to IH 90 eastbound ramp, may be closed between 9pm to 6am. STH 157 westbound to IH 90 westbound ramp, may be closed between 9pm to 6am. Traffic will be detoured via STH 157 to Main Street to STH 157.

STH 16 eastbound may be reduced to one driving lane from 7pm to 8am. STH 16 westbound may be reduced to one driving lane from 8pm to 6am.

Stage 1B: Complete repairs, sign bridge, intersection modifications, and signal work.

STH 157 eastbound between STH 16 and CTH PH, may be closed from 9pm to 6am. Traffic will be detoured via IH 90 to STH 16. Right turn lane from STH 157 eastbound to STH 16 westbound may be closed for a maximum of three nights.

STH 16 eastbound may be reduced to one driving lane from 7pm to 8am. STH 16 westbound may be reduced to one driving lane from 8pm to 6am.

Left turn lane from STH 16 westbound to mall entrance, may be closed from 7pm to 10am. Mall entrance and exit, may be closed between 7pm and 10am.

Stage 2: STH 157 from CTH PH to Main Street, Main Street, Main Street interchange ramps, and STH 157/IH 90 interchange ramps will be completed during daytime and/or nighttime hours.

Stage 2A: Complete repairs and signal work.

~~STH 157 westbound between CTH PH and Main Street, may have lane closures.~~

STH 157 westbound from CTH PH to CTH SS, single lane closures from 7pm to 7am.

STH 157 westbound from CTH SS to Main Street, single lane closures except from 4pm to 6pm.

STH 157 westbound from CTH SS to Main Street, double lane closures from 9pm to 11am.

IH 90 westbound to STH 157 ramp, may be closed only when work is being completed. Traffic will be detoured via STH 16 to STH 157.

Stage 2B: Complete repairs and signal work.

~~STH 157 eastbound between CTH PH and Main Street, may have lane closures.~~

STH 157 eastbound from CTH PH to CTH SS, single lane closures from 7pm to 5:30am.

STH 157 eastbound from CTH SS to Main Street, single lane closures except from 7am to 8am.

STH 157 eastbound from CTH SS to Main Street, double lane closures from 8pm to 6am.

STH 157 eastbound to IH 90 eastbound ramp and STH 157 eastbound to IH 90 westbound ramp, may be closed only when work is being completed. Traffic will be detoured via STH 157 to STH 16 to IH 90.

Stage 2C: Complete repairs.

Main Street to STH 157 eastbound ramp may only be closed for one night while work is being completed. Traffic will be detoured via USH 53 and Sand Lake Road.

STH 157 westbound to Main Street ramp may have single lane closures from 7pm to 6am.

Main Street eastbound must be constructed under single lane closures. Main Street westbound must be constructed under single lane closures. Single lane closures on Main Street eastbound and westbound may only occur between June 8 and August 28.

I think Torey was going to have this go on at the same time the detour was in place as well as add number of days for each ramp closure

again, these can't really be separate closures

Torey was going to put an amount of nights in here

Stage 3: STH 157 from STH 16 to Main Street, Main Street interchange ramps, and STH 157/IH 90 Interchange ramps will be completed during daytime and/or nighttime hours.

Complete HMA paving and pavement marking.

~~STH 157 westbound between STH 16 and Main Street, may have lane closures.~~

STH 157 westbound from STH 16 to CTH SS, single lane closures from 7pm to 7am.

STH 157 westbound from CTH SS to Main Street, single lane closures except from 4pm to 6pm.

STH 157 westbound from CTH SS to Main Street, double lane closures from 9pm to 11am.

~~STH 157 eastbound between STH 16 and Main Street, may have lane closures.~~

STH 157 eastbound from STH 16 to CTH SS, single lane closures from 7pm to 5:30am.

STH 157 eastbound from CTH SS to Main Street, single lane closures except from 7am to 8am.

STH 157 eastbound from CTH SS to Main Street, double lane closures from 8pm to 6am.

STH 157/IH 90 interchange ramps, may be closed. Traffic will be detoured via STH 157, Main Street, and STH 16.

STH 157 westbound to CTH SS dual left turn bay and intersection asphalt pavement replacement shall be completed during nighttime hours under full closure, between 9pm to 6am. No more than two consecutive nights will be allowed to complete this work. Removal of all existing asphaltic surface and placement of the entire new lower HMA pavement layer must be completed in a single night. The entire new upper HMA pavement layer must be placed in a single night. Single lane closures of the dual left turn lanes from CTH SS to STH 157 westbound will be allowed to accommodate work within the STH 157 median.

← Probably should have hours for this, see stage 6 hours below

The contractor must begin paving operations within 3 days from the beginning of the milling operation. No milled surface shall be allowed carry traffic for longer than 3 days.

Stage 4: STH 157 from STH 16 to Main Street, Main Street interchange ramps, and STH 157/IH 90 interchange ramps will be completed during daytime and/or nighttime hours.

Complete shouldering, beam guard removals/installations, and signing.

~~STH 157 westbound between STH 16 and Main Street, may have shoulder and lane closures.~~

STH 157 westbound from STH 16 to Main Street, shoulders may be closed at any time.

STH 157 westbound from STH 16 to CTH SS, single lane closures from 7pm to 7am.

STH 157 westbound from CTH SS to Main Street, single lane closures except from 4pm to 6pm.

~~STH 157 eastbound between STH 16 and Main Street, may have lane closures.~~

STH 157 eastbound from STH 16 to Main Street, shoulders may be closed at any time.

STH 157 eastbound from STH 16 to CTH SS, single lane closures from 7pm to 5:30am.

STH 157 eastbound from CTH SS to Main Street, single lane closures except from 7am to 8am.

CTH PH Staging

Stage 5: CTH PH from STH 157 to construction limits will be completed during daytime and/or nighttime hours.

Construct roadway.

Stage 5A: CTH PH northbound lanes from STH 157 to Jansen Place, may be closed. Maintain two-way traffic

Stage 5B: CTH PH southbound lanes from STH 157 to Jansen Place, may be closed. Temporarily widen and maintain two-way driveway access into Caribou Coffee and Maplewood Dental Family Clinic.

Stage 5C: CTH PH northbound and southbound lanes from Jansen Place to construction limits, may be closed. Maintain two-way driveway access into Caribou Coffee and Maplewood Dental Family Clinic. County to provide detour.

CTH SS Staging



Stage 6: CTH SS from construction limits to STH 157 will be completed during daytime and/or nighttime hours.

I think we should have some explanation for the switch from existing condition to stage 6B - it will be pretty involved to turn on the temp signals and significantly change operations of traffic - likely need to be done at night

Stage 6A: Remove various medians, widen sections of roadway, place temporary asphaltic surface, and remove signals. Install temporary signals at STH 157/CTH SS, CTH SS/12th Avenue South, and 12th Avenue South/Crossing Meadows Drive.

~~STH 157 may have lane closures.~~

STH 157 westbound at CTH SS, single lane closures from 7pm to 7am.

STH 157 eastbound at CTH SS, single lane closures from 7pm to 5:30am.

STH 157 westbound turn lanes to CTH SS eastbound, single lane closures 7:30pm to 8:30am.

~~CTH SS may have lane closures.~~

CTH SS eastbound, single left turn lane closure from 7pm to 10am.

CTH SS eastbound, single right turn lane closure from 5:30pm to 11am.

CTH SS westbound, single lane closure from 7:30pm to 8:30am.

Stage 6B: Remove CTH SS eastbound lanes and construct new roadway.

Maintain two lanes of traffic from STH 16 westbound to CTH SS westbound and one lane of CTH SS eastbound traffic to STH 157. Crossing Meadows Drive southbound lanes shall be closed.

Maintain two lanes of traffic from CTH SS westbound to Crossing Meadows Drive northbound.

Stage 6C: Remove CTH SS westbound lanes and construct new roadway.

Maintain two lanes of traffic from STH 16 westbound to CTH SS westbound and one lane of CTH SS eastbound traffic to STH 157. Crossing Meadows Drive southbound lanes shall be closed.

Construct CTH SS/Crossing Meadows Drive intersection half at a time. Maintain two lanes of traffic from CTH SS westbound to Crossing Meadows Drive northbound.

Stage 6D: Complete remainder of median work, pavement, etc. on CTH SS.

~~STH 157 may have lane closures.~~

STH 157 westbound at CTH SS, single lane closures from 7pm to 7am.

STH 157 eastbound at CTH SS, single lane closures from 7pm to 5:30am.

STH 157 westbound turn lanes to CTH SS eastbound, single lane closures 7:30pm to 8:30am.

~~CTH SS may have lane closures.~~

CTH SS eastbound, single left turn lane closure from 7pm to 10am.

CTH SS eastbound, single right turn lane closure from 5:30pm to 11am.

CTH SS westbound, single lane closure from 7:30pm to 8:30am.

CTH SS westbound, thru lane closure from 9pm to 5am.

4. Environmental

Endangered resources have been identified within the project area. Tree clearing and brush removal shall not occur from May 25 to August 15.

Not on ENV.

The nesting season for swallows and other birds is usually between May 1 and August 30. Either prevent active nests from becoming established, or apply for a depredation permit from the US Fish and Wildlife Service for work that may disturb or destroy active nests.

Not doing bridge work still need?

5. Traffic.

The contractor shall have available at all times, sufficient experienced personnel to promptly install, remove and reinstall the required traffic control devices to route traffic in accordance with the plans, these special provisions, and as directed by the engineer.

The contractor shall provide personnel to facilitate the handling of trucks entering and leaving work sites and such entries and exits shall be used in conjunction with advisory speed limit signs to slow through traffic.

Make the following statement for appropriate stages somewhere in the traffic text. If widths are different identify by stages. Maintain 12' lanes of traffic and 14' clear width. Identify for all roadways and stages if different. clear width for state roads only.

Vehicles not engaged in the construction operations, or authorized by the engineer, shall not park within the right of way. Materials and equipment shall not be stored at any time within the right of way, unless authorized by the engineer.

The contractor shall not disturb, remove, or obliterate any traffic control signs, advisory signs, shoulder delineators or beam guard in place along the traveled roadways without the approval of the engineer.

The contractor shall supply and perform all flagging and traffic control guidance services.

Nighttime flagging operations must be approved by the Engineer. If allowed, provide a flaggers station at each end of a lane closure and at each intersection within a lane closure. Light each flagger's station with a non-glare 4000 Watt balloon-type or other light tower system as approved by the engineer. Payment for flaggers is incidental to the contract as per Standard Spec 104.6.1 (4). Payment for lighting the flagger's stations is incidental to the item Traffic Control for the project 1070-04-75.

Equip all contractor-owned construction vehicles and equipment, including workers' vehicles working for the contractor, with at least one flashing amber light. The flashing amber light shall be activated when vehicles or equipment are operated in, parked in close proximity to, or when entering and exiting live lanes of traffic. The flashing amber light shall be placed at a location that provides visibility from all directions. The light shall be of the flashing strobe or revolving type meeting the following requirements:

<u>Flashing Strobe Type Light</u>	<u>Revolving Type Light</u>
360-degree lens	360-degree lens
60 to 90 flashes/min	45 to 90 flashes/min
5-inch minimum height	4-5/8 inch minimum height
3-3/4 inch minimum diameter	3-3/4 inch minimum diameter

The light shall be equipped with bulbs of 50 candlepower minimum. Mount the flashing amber light approximately midway between the transverse extremities of the vehicle or machinery and at the highest practicable point. Mounting shall be either magnetic or permanent. No compensation for furnishing and installing the flashing amber light to the contractor owned equipment, vehicles, or worker vehicles, will be provided for in the contract.

Proceed with operations when all traffic control devices are in the proper location. Provide and maintain all necessary barricades, drums, signs, lights, temporary markings, flagmen, and such other safety devices as called for on the plans or as directed by the engineer.

Have available at all times during working hours sufficient experienced personnel to promptly install, remove and reinstall the required traffic control devices to route traffic for any lane closure.

Conduct operations in a manner that will cause the least interference to traffic movements. The minimum number of vehicles of the contractor, suppliers, and employees necessary for the prosecution of the work shall be permitted to park at the various work sites for the minimum time necessary for the performance of the work.

During nighttime hours in which the contractor is not working or in areas outside of the work zone, do not park or store equipment within 15 feet of the near edge of shoulder of the travelled roadway unless approved by the engineer.

Contact emergency services (law enforcement, ambulance, fire and rescue), schools, and other officials of changes that might affect their operations.

Incident and traffic issues that occur along the roadway are anticipated to be handled by emergency responders, local law enforcement and state patrol in the same manner as they are handled currently along the project roadways. Notify emergency responders and law enforcement prior to the start of construction.

The contractor shall place Base Aggregate Dense 1 1/4-Inch next to existing pavements where the drop-off at the edge of pavement is 2 inches or more prior to opening road to traffic. Construct in accordance to the plan details.

Unless explicitly stated, the above requirements will not be measured and paid for separately, but will be considered incidental to other items in the contract.

Wisconsin Lane Closure System Advance Notification

Provide the following advance notification to the engineer for incorporation into the Wisconsin Lane Closure System (LCS).

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

Closure type with height, weight, or width restrictions (available width, all lanes in one direction < 16')	MINIMUM NOTIFICATION
Lane and shoulder closures	7 calendar days
Full roadway closures	7 calendar days
Ramp closures	7 calendar days
Detours	7 calendar days
Closure type without height, weight, or width restrictions (available width, all lanes in one direction ≥ 16')	MINIMUM NOTIFICATION
Lane and shoulder closures	3 business days
Ramp closures	3 business days
Modifying all closure types	3 business days

Discuss LCS completion dates and provide changes in the schedule to the engineer at weekly project meetings in order to manage closures nearing their completion date.

6. Public Convenience and Safety.

Revise standard spec 107.8(6) as follows:

Check for and comply with local ordinances governing the hours of operation of construction equipment. Coordinate with the City of Onalaska for night work.

7. Holiday Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying STH 157 or IH 90 traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday periods:

- From noon Friday, May 22, 2020 to 6:00 AM Tuesday, May 26, 2020;
- From noon Friday, July 3, 2020 to 6:00 AM Monday, July 6, 2020;
- From noon Friday, September 4, 2020 to 6:00 AM Tuesday, September 8, 2020.

stp-107-005 (20050502)

use new one 20181119

8. Utilities.

This contract comes under the provision of Administrative Rule Trans 220.

stp-107-065 (20080501)

The following utility companies have facilities within the project area; however, no adjustments are anticipated:

Altra Federal Credit Union
 CenturyLink
 Charter Communications
 City of La Crosse – Sewer
 City of Onalaska – Road Facility
 City of Onalaska – Sewer
 City of Onalaska – Water
 City of La Crosse Water Utility
 Wisconsin Independent Network, LLC
 Xcel Energy – Transmission
 Xcel Energy – Electricity
 Xcel Energy – Gas/Petroleum

9. Concrete Pavement Joint Layout, Item 415.5110.S.

A Description

This special provision describes providing a concrete pavement or concrete base joint layout design for intersections and marking the location of joints in the field.

B (Vacant)

C Construction

Plan and locate all points necessary to establish the horizontal position of the transverse and longitudinal joints in the concrete to prevent uncontrolled cracking. Submit a joint layout design to the engineer at least 7 calendar days before paving each intersection. Do not lay out joints until the engineer has reviewed the joint layout design. Mark the location of concrete joints in the field. Follow the plan details for joints in concrete making adjustments as required to fit field conditions.

D Measurement

The department will measure Concrete Pavement Joint Layout as a single lump sum unit for all joint layout designs and marking acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
415.5110.S	Concrete Pavement Joint Layout	LS

Payment is full compensation for providing the intersection joint layout designs and marking all joints in the field.

The department will adjust pay for crack repairs as specified in standard spec 415.5.3.

stp-415-020 (20170615)

10. Reheating HMA Pavement Longitudinal Joints, Item 460.4110.S.

A Description

This special provision describes reheating the abutting edge of the previously compacted layer in the adjacent lane while paving mainline asphalt pavements.

B (Vacant)

C Construction

C.1 Equipment

Provide a self-contained heating unit that heats by convection only. Do not use forced air to enhance the flame. Provide a fireproof barrier between the flame and the heater's fuel source. The heater must produce a uniform distribution of heat within the heat box. Provide automatic controls to regulate the heater output and shutoff the heater when the paver stops or the heater control system loses power.

Mount the heater on the paver inside the paver's automatic leveling device.

C.2 Reheating Joints

Evenly reheat at least an 8 inch (200 mm) wide strip of the previously compacted layer in the adjacent lane as follows:

- Reheat the joint to within 60 degrees F (15 degrees C) of the mix temperature at the paver auger. Measure joint temperature immediately behind the heater.

The engineer may allow the required joint reheat temperatures to be cooler than specified to adjust for weather, wind, and other field conditions. Coordinate the heater output and paver speed to achieve the required joint reheat temperature without visible smoke emission.

D Measurement

The department will measure Reheating HMA Pavement Longitudinal Joints by the linear foot acceptably completed as measured along each joint for each layer of asphalt placed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF

Payment is full compensation for all the work required under this bid item.

stp-460-015 (20140630)

11. Temporary Pedestrian Surface Plywood, Item 644.1420.S;

A Description

This special provision describes providing, maintaining, and removing temporary pedestrian surface.

B Materials

Furnish 1 1/4-inch dense graded aggregate conforming to standard spec 305.2. Furnish:

- Asphaltic surface conforming to standard spec 465.2.
- Pressure treated 2x4 framing lumber, pressure treated 3/4 inch plywood with skid resistant surface coating, and weather resistant deck screws 3 1/2 inch minimum for framing and 1 5/8 inch minimum for plywood.
- 1/4 inch minimum steel plate or commercially available prefabricated plates with skid resistant surface coating conforming to Americans with Disabilities Act Accessibility Guidelines. If placed in the roadway, must be able to handle a vehicle weight of 88,000 lbs.

C Construction

Place, compact, and level a dense graded aggregate foundation before placing the surface.

Provide a firm, stable, and slip-resistant surface layer with vertical joints no higher than 1/4 inch and horizontal joints no wider than 1/2 inch. Sheet materials up to 1 inch thick may be lapped if the edge is beveled at 45 degrees or flatter. Asphalt may also be used to ramp up to materials up to 1 inch thick.

Construct conforming to the following:

- Asphalt surface a minimum of 2 inches thick compacted with compactors, tampers, or rollers.
- Framed plywood panels 4 feet wide with a skid resistant surface coating.
- Steel or prefabricated plate with a skid resistant surface coating.

Align parallel to the existing roadway grade or, if outside of a street or highway right-of-way, do not exceed 5 percent longitudinal slope. Provide cross slope of 1 to 2 percent unless the engineer approves a steeper cross slope in writing.

Maintain the surface with a 4 foot minimum clear width and the specified joint and slope requirements. Repair or reconstruct installations disturbed during construction operations. Remove and dispose of as specified in standard spec 203.3.4 when no longer required.

D Measurement

The department will measure temporary pedestrian surface by the square foot acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
644.1420.S	Temporary Pedestrian Surface Plywood	SF

Payment is full compensation for providing, maintaining, and removing temporary pedestrian surface.

stp-644-010 (20150630)

12. Temporary Curb Ramp, Item 644.1601.S.

A Description

This special provision describes providing, maintaining, and removing temporary curb ramps.

B Materials

Furnish materials as follows:

- Asphaltic surface conforming to standard spec 465.2.
- Engineer-approved ready mixed concrete or ancillary concrete conforming to standard spec 602.2 except no QMP is required.
- Commercially available prefabricated curb ramps conforming to Americans with Disabilities Act Accessibility Guidelines.

Furnish yellow detectable warning fields conforming to Americans with Disabilities Act Accessibility Guidelines. Use either an engineer-approved surface-applied type or cast iron from the department's approved products list.

C Construction

Provide and maintain temporary curb ramps, including detectable warning fields, throughout the project duration. Place and compact a dense graded aggregate foundation before placing the curb ramp, unless the curb ramp is to be placed on existing roadway surface.

Remove and dispose temporary curb ramps and associated detectable warning fields when no longer required.

D Measurement

The department will measure temporary curb ramps by each individual ramp acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
644.1601.S	Temporary Curb Ramp	EACH

Payment is full compensation for providing, maintaining, and removing temporary curb ramps.

stp-644-020 (20150630)

13. Concrete Bases Type 9 & 10 Special, Item SPV.0060.01

A Description

This special provision describes constructing concrete bases for Monotube Type 9 & 10 Special conforming to standard spec 654, and details shown in the plans.

B Materials.

Materials shall be according to standard spec 654.

C Construction

Construction shall be according to standard spec 654.

D Measurement

The department will measure Concrete Bases Monotube Type 9 & 10 Special Pole by the unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item(s):

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Concrete Bases Type 9 & 10 Special	Each

Payment is full compensation for providing concrete bases; for embedded conduit and electrical components; for anchor rods, nuts, and washers; for bar steel reinforcement; and for excavating, backfilling and disposing of surplus materials.

14. Type 9 Special Pole, Item SPV.0060.02; Type 10 Special Pole, Item SPV.0060.03; Type 9 & 10 Special Pole Arm 40-FT, Item SPV.0060.04; Type 9 & 10 Special Pole Arm 45-FT, Item SPV.0060.05 Type 10 Special Traffic Signal Pole, Item SPV.0060.03

Repeated
0060.03

A Description

This special provision describes installing Monotube Type 9 & 10 Special Pole and Arms as shown on the plans and as directed by the Engineer.

B Materials

Conform to the pertinent requirements of section 657.2 of the standard specifications and as shown on the plans.

C Construction

Conform to the pertinent requirements of section 657.3 of standard specifications and as shown on the plans.

D Measurement

The Department will measure Monotube Pole Type 9 & 10 Special Pole and Arms as each individual pole and arm installed and acceptably completed.

E Payment

The Department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.02	Type 9 Special Pole	Each
SPV.0060.02	Type 10 Special Pole	Each
SPV.0060.02	Type 9 & 10 Special Pole Arm 40-FT	Each
SPV.0060.02	Type 9 & 10 Special Pole Arm 45-FT	Each

Fix the
item
numbers

Payment is full compensation for installing all materials, including all associated hardware, fittings, mounting devices, and attachments necessary to completely install the pole and arms.

15. Removing Traffic Signal Unit, Item SPV.0060.06

A Description

This special provision describes removing and salvaging existing traffic signals (by assembly) according to the pertinent provisions of standard spec 204 and as hereinafter provided. Items included under this bid item include pedestal bases, transformer bases traffic signal standards, traffic signal poles, traffic signal mast arms, traffic signal luminaire arms, signal heads, backplates, signal mounting hardware, and signs.

B Materials.

The contractor shall supply any incidental materials required to complete the work described in this special provision.

C Construction

Arrange for the de-energizing of the traffic signal assembly with the Region Electrical Field Unit by contacting the DOT on-call electrician at (608) 785-9080 at least five working days prior to the removal of each traffic signal unit. At least one far indication shall be functioning between 6:00 AM and 10:00 PM every day. No more than 8 hours shall elapse between de-energizing the traffic signal assembly and re-energization at the proposed location.

Carefully disconnect and remove traffic signal assembly and cabling.

Dispose of all equipment, including traffic signal units, cables, and wiring.

D Measurement

The department shall measure Remove Traffic Signal Unit by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.06	Removing Traffic Signal Unit	Each

Payment is full compensation for removing and disposing of each traffic signal unit as well as any incidental materials required for removal.

16. Adjusting Concrete Bases, Item SPV.0060.07

A Description

This special describes adjusting concrete bases and connecting existing bases to new conduit runs conforming to standard specs 652, 653, and 654.

B Materials.

Furnish backfill material conforming to the requirements of pertinent provisions of the standard specifications. Furnish all incidental materials required to complete the work described in this special provision.

C Construction

Expose the outside of the existing concrete base. Connect the new conduit run to the existing concrete base according to standard spec 652 and 654. Fill void area with approved backfill material. Tamp backfill into place.

D Measurement

The department shall measure Adjusting Concrete Bases by the unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.07	Adjusting Concrete Bases	Each

Payment is full compensation for excavating bases, furnishing all required materials, and for backfilling.

17. Longitudinal Joint Repair, Item SPV.0090.01

A Description

This special provision describes the removal of any loose or spalled concrete and asphaltic patching material within the longitudinal concrete joint, cleaning the longitudinal concrete joints and cracks, and filling with special high early strength concrete as shown on the plans, and as hereinafter provided.

B Materials

Furnish concrete conforming to the requirements specified for air-entrained high early strength concrete, grade B, B-FA, B-S, B-IS, or B-IP, under section 501, except that under the Base Patching Concrete SHES bid item, conform to 416.2.5.1. Note the cement requirements described in 501.3.1.1.2. Provide QMP for class II ancillary concrete as specified in section 716.

C Construction

Use a concrete cutting wheel that is capable of removing any loose or spalled concrete and asphaltic patching, at least 6" and up to 8" in width, in one or two passes of the machine.

Remove all loose or unstable material in a manner that precludes damage to the remaining pavement. Water-blasting will not be allowed. Sweep existing surfaces to remove dust, dirt, or other objectionable material from all affected areas.

Any damage to the in-place concrete pavement by the contractor's operations shall be repaired prior to final acceptance as directed by the engineer and at no expense to the department.

Prevent the discharge of any loosened material into adjacent properties, work areas, inlets, or live traffic lanes using shrouds, barriers, or other engineer-approved methods.

Minimize dust dispersion during all operations associated with this bid item. Application of water or other dust control material requires the approval of the engineer.

Store removed material on the roadway only in conjunction with a continuous removal and pick-up operation. During non-working hours, clear the roadway of all materials and equipment.

The removed material shall become the property of the contractor and be disposed of in accordance with 203.3.4 of the standard specifications.

Clean the joint with compressed air immediately prior to patching. Ensure the joint bottom and sides are clean and dry. Deposit concrete to require as little rehandling as possible, place and consolidate by hand, and strike off and finish flush with adjoining surfaces.

Cure exposed patches as specified for concrete pavement in 415.3.12 except the contractor may use PAM or linseed oil based curing compound conforming to 415.2.4 or may use wax based curing compound conforming to 501.2.9. Do not apply excess curing compound that could cause slippery pavement under traffic.

D Measurement

The department will measure Longitudinal Joint Repair by the linear foot acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Longitudinal Joint Repair	LF

Payment is full compensation for removing and disposing of all loose or spalled concrete and asphaltic patching material; for cleaning joints and cracks; for furnishing special high-early strength concrete used in patching; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

18. Concrete Curb & Gutter 30-Inch Type A SHES, Item SPV.0090.02; Concrete Curb & Gutter 30-Inch Type D SHES, Item SPV.0090.03

A Description

This special provision describes constructing concrete curb and gutter in accordance with the requirements of section 601 of the standard specifications, at locations approved by the engineer, and as hereinafter provided.

B Materials.

Provide concrete that conforms to the requirements for Special High Early Strength Concrete Pavement Repair and Replacement as specified in standard spec 416.2.5.

C Construction

Perform this work at locations directed by the engineer in accordance with the requirements for Special High Early Concrete Pavement Repair and Replacement as specified in standard spec 416.3.8.

Modify subsection 601.3.4 (5) to require that contraction joints be sawed.

Saw the joints to a minimum depth of one-third (D/3) of the depth of the curb and gutter at the flag line.

D Measurement

The department will measure Concrete Curb & Gutter 30-Inch Types A SHES and D SHES in length by the linear feet, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.02	Concrete Curb & Gutter 30-Inch Type A SHES	LF
SPV.0090.03	Concrete Curb & Gutter 30-Inch Type D SHES	LF

Payment is full compensation for all foundation excavation and preparation; all special construction required at driveway and alley entrances or curb ramps; providing all materials, including concrete, expansion joints, and reinforcement tie bars unless specified otherwise; placing, finishing, protecting, and curing; sawing joints; disposing of surplus excavation material, restoring the work site; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the contract work.

The department will adjust pay for crack repairs on concrete built under section 601 as specified in 416.5.2 for ancillary concrete.

19. Concrete Joint and Crack Cleaning, Item SPV.0090.04

A Description

This special provision describes removing any loose or spalled concrete and asphalt patching, cleaning the joints and cracks, and filling with asphaltic surface, as the plans show and as hereinafter provided.

B Materials

Furnish asphaltic mixture as specified for asphaltic surface under subsection 465.2 of the standard specifications.

C (Vacant)

D Measurement

The department will measure Concrete Joint and Crack Cleaning by the linear foot along longitudinal and transverse joints and cracks, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item.

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.04	Concrete Joint and Crack Cleaning	LF

Payment is full compensation for removing and disposing of all loose or spalled concrete and asphalt patching; for cleaning joints and cracks; for furnishing asphaltic surface for filling the joints and cracks; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

20. Concrete Pavement SHES 9-Inch, Item SPV.0180.01

A Description

Complete the work under this item according to standard spec 415 and as hereinafter provided.

B Materials.

Furnish concrete mixture meeting the requirements for Special High Early Strength Concrete Pavement Repair and Replacement as specified in standard spec 416.2.5.

C Construction

Perform this work at locations directed by the engineer in accordance with the requirements for Special High Early Concrete Pavement Repair and Replacement as specified in standard spec 416.3.8.

D Measurement

The department will measure Concrete Pavement SHES 9-Inch by the square yard, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item(s):

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.01	Concrete Pavement SHES 9-Inch	SY

Payment is full compensation for preparing the foundation, unless provided otherwise; furnishing, hauling, placing, curing, and protecting the concrete; jointing and joint materials, dowels, and tie bars, unless provided otherwise; providing special high early strength concrete mix designs; the required making, testing, and strength evaluations of all concrete cylinders..

The department will pay for full depth saw cuts, removal of existing pavements, pavement ties, and dowel bars installed in the existing concrete pavement, exclusive of those necessary to repair damage caused by the contractor, separately.