



**DEVELOPMENTAL SPECIFICATIONS  
FOR  
MAINTENANCE WORK ON RAILROAD RIGHT-OF-WAY  
(UNION PACIFIC RAILROAD)**

**Effective Date  
July 17, 2007**

**THE STANDARD SPECIFICATIONS, SERIES 2001, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE DEVELOPMENTAL SPECIFICATIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.**

**01101.01 DESCRIPTION.**

This specification applies to projects on Interstate, Primary, Secondary, and Local Road systems involving construction or maintenance of roadways and structures that do not require additional property rights or facility adjustments from the Union Pacific Railroad (UPRR).

This specification describes the requirements when work is within the Right-of-way (ROW) or properties of the UPRR and adjacent to tracks, wire lines, and other facilities. This specification describes the coordination with UPRR when work by the Contractor will be performed upon, over, or under the UPRR ROW, or may impact current or future UPRR operations. The Contractor shall coordinate with the UPRR while performing work on UPRR ROW.

The UPRR representative will be the person or persons identified by the UPRR Manager of Industry and Public Projects to handle specific tasks related to the project. The contract documents will specify the contact information for this individual(s).

Prior to advertising the project for letting, the Contracting Authority will negotiate and obtain an agreement with the UPRR for the work on UPRR ROW. The Contractor is not required to enter into an agreement with the UPRR except for the sole purpose of a temporary crossing (Article DS-01101.22) that is not included in the contract documents.

The Contractor shall provide track protection for all equipment operating within 25 feet (7.62 m) from nearest rail.

**01101.02 REQUESTS FOR INFORMATION.**

All requests for information involving work within any UPRR ROW shall be in accordance with the procedures listed in the contract documents. All requests shall be submitted to the Engineer. The Engineer will forward the request to the UPRR as necessary.

**01101.03 CONSTRUCTION SCHEDULE NOTICE.**

A construction schedule, including the proposed temporary horizontal and vertical clearances and construction sequence for all work to be performed, shall be provided to the Engineer for submittal to the UPRR prior to commencement of work. When construction activities are on or about railroad property this

schedule shall also include the anticipated dates when the UPRR facilities may be impacted by construction activities.

**01101.04 UPRR REPRESENTATIVES.**

UPRR representatives will be provided at the expense of the Contractor to protect UPRR facilities, property, and movements of its trains or engines. In general, UPRR will furnish such personnel or other protective services as follows:

- When any part of any equipment is standing or being operated within 25 feet (7.62 m), measured horizontally, from centerline of any track on which trains may operate, or when any object is off the ground and any dimension thereof could extend inside the 25 foot (7.62 m) limit, or when any erection or construction activities are in progress within such limits, regardless of elevation above or below track.
- For any excavation below elevation of track subgrade if, in the opinion of UPRR, track or other UPRR facilities may be subject to settlement or movement.
- During any clearing, grubbing, excavation, or grading in proximity to UPRR facilities, which, in the opinion of UPRR, may endanger UPRR facilities or operations.
- During the Contractor's operations when, in the opinion of UPRR, UPRR facilities, including, but not limited to, tracks, buildings, signals, wire lines, or pipe lines, may be endangered.
- The Contractor shall arrange with the UPRR to provide the adequate number of flag persons to accomplish the work.

**01101.05 INSURANCE.**

The Contractor shall not begin work upon or over UPRR's ROW until the Engineer and UPRR have been furnished the insurance policies, binders, certificates, and endorsements required by the contract documents and the UPRR has notified the Engineer that such insurance provisions are in accordance with the contract documents. The insurance shall be kept in full force and effect during the performance of work and thereafter until the Contractor removes all tools, equipment, and material from UPRR's property and cleans the premises in a manner reasonably satisfactory to UPRR.

The Contractor shall provide the following kinds of insurance in addition to the requirements of Article 1107.02 of the Standard Specifications.

**A. Commercial General Liability Insurance.**

This insurance shall contain broad form contractual liability with a single limit of at least \$5,000,000 each occurrence or claim and an aggregate limit of at least \$10,000,000. This insurance shall provide severability of interests and name the UPRR as an additional insured with respect to all liabilities arising out of the Contracting Authority's obligation to the UPRR. Coverage shall be purchased on an "occurrence" basis. Coverage shall be purchased on a post 1998 Insurance Service Organization (ISO) or equivalent form, including but not limited to coverage for the following:

- Bodily injury including death and personal injury.
- Property damage.
- Fire legal liability (not less than the replacement value of the portion of the premises occupied).
- Products and completed operations.

The policy shall contain the following endorsements:

- "For purposes of this insurance, UPRR Railroad payments related to the Federal Employers Liability Act or a UPRR Wage Continuation Program or similar programs are deemed not to be either payments made or obligations assumed under any Workers Compensation, disability benefits, or unemployment compensation law or similar law."

- The exclusions for railroads (except where the work is more than 50 feet (15.24 m) from any railroad including, but not limited to tracks, bridges, trestles, roadbeds, terminals, underpasses, overpasses, or crossings), and explosion, collapse, and underground hazard shall be removed.
- Coverage for the Contractor's (and Railroad's) employees shall not be excluded.

**B. Business Automobile Coverage Insurance.**

This insurance shall contain a combined single limit of at least \$5,000,000 per occurrence or claim, including but not limited to coverage for the following:

- Bodily injury and property damage
- Any and all motor vehicles including owned, hired and non-owned

The policy shall contain the following endorsements:

- "For purposes of this insurance, UPRR Railroad payments related to the Federal Employers Liability Act or a UPRR Wage Continuation Program or similar programs are deemed not to be either payments made or obligations assumed under any Workers Compensation, disability benefits, or unemployment compensation law or similar law."
- The exclusions for railroads (except where the Job Site is more than 50 feet (15.24 m) from any railroad including but not limited to tracks, bridges, trestles, roadbeds, terminals, underpasses, overpasses, or crossings), and explosion, collapse and underground hazard shall be removed.
- Motor Carrier Act Endorsement - Hazardous materials clean up (MCS-90), if required by law.

This insurance shall provide contractual liability by endorsement ISO Form CA 00 25 or equivalent covering all motor vehicles including hired and non-owned, mobile equipment to the extent it may be excluded from general liability insurance, severability of interests and name UPRR as an additional insured with respect to all liabilities arising out of Contracting Authority's obligation to the UPRR.

**NOTE: Alternate Liability Insurance Limits:** The UPRR will accept Contractor's General Liability insurance limits of at least \$2,000,000 each occurrence or claim and an aggregate limit of at least \$2,000,000, and will accept Business Automobile Insurance containing a combined single limit of at least \$2,000,000 per occurrence or claim if the Contractor will secure Railroad Protective Liability Insurance coverage with a combined single limit of \$5,000,000 per occurrence with a \$10,000,000 aggregate instead of the limits described in Article 1107.02, B, of the Standard Specifications.

**C. Workers Compensation and Employers Liability Insurance.**

This insurance shall include, but is not limited to:

- The Contractor's statutory liability under the workers' compensation laws of the State of Iowa.
- Employers' Liability (Part B) with limits of at least \$500,000 each accident, \$500,000 disease policy limit, and \$500,000 each employee.

If Licensee is self-insured, evidence of the State of Iowa's approval shall be provided along with evidence of excess workers compensation coverage. Coverage shall include liability arising out of the U. S. Longshoremen's and Harbor Workers' Act, the Jones Act, and the Outer Continental Shelf Land Act, if applicable.

The policy shall contain the "Alternate Employer Endorsement."

Punitive damage exclusion shall be deleted from all required liability policies.

All insurance policies must be written by a reputable insurance company acceptable to the State or with a current Best's Insurance Guide Rating of A- and Class VII or better, and authorized to do business in the state of Iowa.

In the event the Contractor utilizes Umbrella or Excess policies, these policies shall "follow form" and afford no less coverage than the primary policy. Umbrella or Excess policy limits may be used to satisfy the previously stated General Liability and Automobile limit requirements

The Contractor hereby waives its right of subrogation, as respects the above insurance policies, against UPRR for payments made to or on behalf of employees of Contracting Authority or its agents or its Contractor and for loss of its owned or leased property or property under its care, custody, and control while on or near UPRR's ROW or other real property. The Contractor's insurance shall be primary with respect to any insurance carried by UPRR.

The Contractor shall furnish to UPRR certificates of insurance evidencing the required coverage and endorsement(s) and upon request a certified duplicate original of any of those policies. The insurance company(ies) issuing such policy(ies) shall notify UPRR in writing of any material alteration including any change in the retroactive date in any policy or substantial reduction of aggregate limits, if such limits apply, or cancellation thereof at least 30 calendar days prior thereto.

The fact that insurance is obtained by the Contractor or UPRR on behalf of the Contractor shall not be deemed to release or diminish the liability of the Contractor, including, without limitation, liability under the indemnity provisions of this specification. Damages recoverable by UPRR shall not be limited by the amount of the required insurance coverage.

All policy(ies) required above (except worker's compensation, employers liability and railroad protective) shall include the UPRR as "Additional Insured" using ISO Additional Insured Endorsements CG 20 26, and CA 20 48 (or substitute forms providing equivalent coverage). The coverage provided to the UPRR as additional insured shall, to the extent provided under ISO Additional Insured Endorsement CG 20 26, and CA 20 48 provide coverage for the UPRR's negligence whether sole or partial, active or passive, and shall not be limited by Contractor's liability under the indemnity provisions of the specifications.

#### **01101.06 ADDITIONAL SAFETY REQUIREMENTS.**

The Contractor shall require its employees to be suitably dressed to perform their duties safely. The Contractor shall require workers to wear personal protective equipment as specified by UPRR rules and regulations. Protective equipment shall include, but not be limited to the following: protective headgear meeting ANSI 289.1; eye protection meeting ANSI 287.1, however additional eye protection shall be provided to meet specific job situations such as welding, grinding, burning, etc.; and hearing protection which affords enough attenuation to give protection from noise levels that will be occurring on the job site. Only waist length shirts with sleeves and trousers covering the entire leg shall be worn. Flare-legged trouser bottoms shall be tied to prevent catching.

All heavy equipment operating within UPRR ROW shall be equipped with audible back-up warning devices. If in the opinion of the UPRR the Contractor's equipment is unsafe for use on the UPRR's ROW, the Contractor shall remove such equipment from the UPRR ROW.

The Contractor shall promptly notify the UPRR of any U.S. OSHA reportable injuries occurring to any employee that arises during the work performed on the work site within UPRR ROW.

If at any time the Engineer or the UPRR are of the opinion that any work of the Contractor is being or is about to be done or prosecuted without due regard and precaution for safety and security, the Engineer may suspend the work until suitable, adequate, and proper protective measures are adopted and provided.

#### **01101.07 SAFETY MEASURES-PROTECTION OF OPERATIONS.**

The Contractor shall perform work in a safe manner and in conformity with the following standards:

**A. Explosives.**

The Contractor shall not discharge any explosives on or in the vicinity of the UPRR's property without the prior consent of the UPRR, which shall not be given if, in the sole discretion of the UPRR, such discharge would be dangerous or would interfere with the UPRR's property or facilities. For the purposes hereof, the "vicinity of the UPRR's property" shall be deemed to be any place on the UPRR's property or in such close proximity to the UPRR's property that the discharge of explosives could cause injury to the UPRR's employees or other persons, or cause damage to or interference with the facilities or operations on the UPRR's property. The UPRR reserves the right to impose such conditions, restrictions, or limitations on the transportation, handling, storage, security, and use of explosives as the UPRR, in the UPRR's sole discretion, may deem to be necessary, desirable or appropriate. In addition to any conditions, restrictions, or limitations as may be specifically imposed:

- 1) The Contractor shall provide no less than 48 hours written notice, excluding weekends and holidays, before discharging any explosives.
- 2) Any explosives loaded in holes, placed or otherwise readied for discharge, they shall be discharged the same day during daylight hours, and at mutually acceptable times.
- 3) The Contractor, at its own expense, shall take all precautionary measures and construct all temporary shelters necessary to guard against danger of damage, destruction, or interference arising out of or connected with any blasting or any transportation, handling, storage, security, or use of explosives.

**B. Obstructions to View.**

Except as otherwise provided herein, the Contractor shall not cause or permit the view along the tracks of the UPRR to be obstructed, nor place any combustible material on the crossing area, nor erect any structures thereon except as allowed by the contract documents.

**C. Excavation.**

The Contractor shall not excavate from existing slopes nor construct new slopes which are excessive and may create hazards of slides or falling rock, impair, or endanger the clearance between existing or new slopes and the tracks of the UPRR. The Contractor shall perform any work that may disturb the stability of any area that may adversely affect the UPRR's tracks or facilities. The Contractor, at its own expense, shall install and maintain adequate shoring and cribbing for all excavation or trenching performed by them in connection with construction, maintenance, or other work. The shoring and cribbing shall be constructed and maintained with materials and in a manner approved by the UPRR to withstand all stresses likely to be encountered, including any stresses resulting from vibrations caused by the UPRR's operations in the vicinity.

**D. Drainage.**

The Contractor, at its expense, shall provide and maintain suitable facilities for draining the highway and its appurtenances, and shall not suffer or permit drainage water to flow or collect upon property of the UPRR so as to adversely affect any of the UPRR's operations, equipment or any third parties with permitted facilities on the UPRR's ROW. The Contractor, at its own expense, shall provide adequate passageway for the waters of any streams, bodies of water, and drainage facilities (either natural or artificial, and including water from the UPRR's culverts and drainage facilities), so that said waters may not, because of any facilities or work of the Contractor, be impeded, obstructed, diverted, or caused to back up, overflow or damage the property of the UPRR or any part thereof, or property of others. The Contractor shall not obstruct or interfere with existing ditches or drainage facilities.

**E. Clearances.**

The Contractor shall provide a minimum vertical clearance of 21.5 feet (6.56 m) above top of rails and a minimum lateral clearance of 12.0 feet (3.66 m) from centerline of track nearest temporary construction falsework.

Proposed changes to the specified minimum clearances shall be submitted to UPRR, through the Engineer, at least 30 calendar days in advance of the work. No work shall commence until the Engineer receives concurrence, in writing, from UPRR that approval is given and that arrangements have been made for flagging service, as may be necessary. The UPRR will have 2 weeks to respond to the request.

**F. Demolition of Existing Structures.**

The Contractor shall submit demolition plans to the Engineer for review and approval. The Engineer will forward to the UPRR as identified in the project agreement. Demolition shall not be undertaken until the Contractor has received the Engineer's written approval of such demolition plans. All such reviews and approvals or rejections will be completed by the Engineer within 45 calendar days of receipt from the Contractor.

**01101.08 WALKWAYS.**

Along the outer side of each exterior track of multiple operated track, and on each side of single operated track, an unobstructed continuous space suitable for UPRR's use in walking along trains, extending to a line not less than 12 feet (3.66 m) from centerline of track, shall be maintained. Any temporary impediments to walkways and track drainage encroachments or obstructions allowed during work hours while UPRR's flagging service is provided shall be removed before the close of each work day. Walkways with railings shall be constructed by Contractor over open excavations when in close proximity of track, and railings shall not be closer than 8.5 feet (2.59 m) horizontally from center line of tangent track or 9.5 feet (2.9 m) horizontally from centerline of curved track.

**01101.09 EXCAVATIONS IN CLOSE PROXIMITY TO UPRR FACILITIES.**

The Contractor shall take special precaution in connection with excavating and shoring. Excavations for construction of footings, piers, columns, walls, or other facilities that require shoring shall comply with the following requirements: OSHA, AREMA, and UPRR "Guidelines for Temporary Shoring".

The Contractor shall contact UPRR's "Call Before Your Dig" at least 48 hours prior to commencing work at 1.800.336.9193 during normal business hours (6:30 a.m. to 8:00 p.m. C.S.T., Monday through Friday, except holidays - also a 24 hour, 7 day a week, number for emergency calls) to determine location of fiber optics. If a telecommunications system is buried anywhere on or near UPRR property, the Contractor shall coordinate with UPRR and the Telecommunication Company to arrange for relocation or other protection of the system prior to beginning any work on or near UPRR property.

**01101.10 NO INTERFERENCE WITH UPRR'S OPERATION.**

The Contractor shall not interfere with the constant, continuous, and uninterrupted use of the tracks, property, and facilities of the UPRR its lessees, licensees, or others, unless specifically permitted by this specification, or specifically authorized in advance by the UPRR. When not in use, the Contractor's machinery and materials shall be kept at least 50 feet (15.24 m) from the centerline of UPRR's nearest active track, and there shall be no crossings of UPRR's tracks except at existing open public crossings or as provided by agreement.

**01101.11 TRAFFIC CONTROL.**

The Contractor's operations that control traffic across or around UPRR facilities shall be coordinated with and approved by the UPRR.

**01101.12 INDEMNITY.**

As used in this Article, "UPRR" includes other railroad companies using the UPRR's property at or near the location of the Contractor's work and their officers, agents, and employees; "Loss" includes loss, damage, claims, demands, actions, causes of action, penalties, costs, and expenses of whatsoever nature, including court costs and attorneys' fees, which may result from the following:

- injury to or death of persons whomsoever (including the UPRR's officers, agents, and employees, the Contractor's officers, agents, and employees, as well as any other person); and

- damage to or loss or destruction of property whatsoever (including Contractor property, damage to the roadbed, tracks, equipment, or other property of the UPRR, or property in its care or custody).

The Contractor shall indemnify, hold harmless, and defend to the extent allowed by law the UPRR from any loss which is due to or arises from any cause and is associated in whole or in part with the work, a breach of the contract or the failure to observe the health and safety provisions herein, or any activity or omission arising out of performance or nonperformance; except to the extent caused by the negligence or fault of the UPRR.

**01101.13 MAINTENANCE OF UPRR FACILITIES.**

The Contractor shall maintain all ditches and drainage structures free of silt or other obstructions which may result from its operations, promptly repair eroded areas within UPRR's ROW, and repair any other damage to UPRR property, or its tenants; at no additional cost to the UPRR.

**01101.14 COMMUNICATIONS AND SIGNAL LINES.**

If required, UPRR will rearrange its communications and signal lines, grade crossing warning devices, train signals and tracks, and facilities that are in use and maintained by UPRR's forces in connection with its operation at the expense of the Contracting Authority. This work will be performed by the UPRR and it is not a part of the contract.

**01101.15 FIBER OPTIC CABLE SYSTEMS.**

Fiber optic cable systems may be buried on the UPRR's property. Protection of the fiber optic cable systems is of extreme importance since any break could disrupt service to users resulting in business interruption and loss of revenue and profits. The Contractor shall contact the UPRR (1.800.336.9193 (a 24-hour number)) to determine if fiber optic cable is buried anywhere on the UPRR's Crossing Area to be used by the Contractor. If it is, the Contractor shall telephone the telecommunications company involved, arrange for a cable locator, and make arrangements for relocation or other protection of the fiber optic cable prior to beginning any work on the UPRR's Crossing Area.

In addition to the liability terms elsewhere in this specification, the Contractor shall indemnify and hold harmless the UPRR against and from all cost, liability, and expense whatsoever (including, without limitation, attorney's fees, court costs, and expenses) arising out of or in any way contributed to by any act or omission of the Contractor, agents, or employees, that causes or contributes to (1) any damage to or destruction of any telecommunications system on UPRR's property, and (2) any injury to or death of any person employed by or on behalf of any telecommunications company, its contractor, agents, or employees, on UPRR's property in the crossing area. The Contractor shall not have or seek recourse against UPRR for any claim or cause of action for alleged loss of profits, revenue, loss of service, or other consequential damage to a telecommunication company using UPRR's property or a customer or user of services of the fiber optic cable on UPRR's property.

**01101.16 COOPERATION.**

The UPRR will cooperate with the Contractor so that work may be conducted in an efficient manner, and will cooperate with the Contractor in enabling use of UPRR's ROW in performing the work.

**01101.17 WAIVER OF BREACH.**

The waiver by the UPRR of the breach of any condition, covenant, or specification herein contained to be kept, observed and performed by the Contractor shall in no way impair the right of the UPRR to avail itself of any subsequent breach thereof.

**01101.18 RAILROAD FLAGGING.**

**A. Flagging and Notification.**

The Contractor shall notify the UPRR and Engineer at least 15 working days in advance of the commencement of work and at least 10 working days in advance of proposed performance of any work by the Contractor in which any person or equipment will be within 25 feet (7.62 m) of any track,

or near enough to any track that any equipment extension (such as, but not limited to, a crane boom) will reach to within 25 feet (7.62 m) of any track. This notice shall include the following:

- Project Number
- Contractor's name
- Date flagging is needed
- Location of flagging services to be provided
- Duration of flagging

No work shall be performed, and no person, equipment, machinery, tools, materials, vehicles, or things shall be located, operated, placed, or stored within 25 feet (7.62 m) of any of UPRR's track at any time, for any reason, unless and until a railroad flagger is provided to watch for trains.

Upon receipt of such 10 day notice, the UPRR will determine and inform the Contractor whether a flagger need be present and whether the Contractor need implement any special protective or safety measures. If flagging or other special protective or safety measures are performed by the UPRR, such services will be provided at Contractor's expense with the understanding that if the UPRR provides any flagging or other services, the Contractor shall not be relieved of any of its responsibilities or liabilities set forth herein. The Contractor shall pay the UPRR all charges connected with such services within 30 calendar days after presentation of a bill.

Work performed without proper flagging services, when required, will be subject to a \$5,000 per day price adjustment.

The Contractor shall provide the UPRR a minimum of 2 working days notice prior to the completion of work for which the flagging services were requested.

**B. Flagger Rate of Pay.**

The rate of pay per hour for each flagger will be the prevailing hourly rate in effect for an 8 hour day for the class of worker used during regularly assigned hours and overtime in accordance with Labor Agreements and Schedules in effect at the time the work is performed. In addition to the cost of such labor, a composite charge for vacation, holiday, health and welfare, supplemental sickness, Railroad Retirement and UC, supplemental pension, Employee, Liability and Property Damage, and Administration will be included, computed on actual payroll. The composite charge will be the prevailing composite charge in effect on the day of execution of the agreement between the UPRR and the Contracting Authority. One and one-half times the current hourly rate is paid for overtime, Saturdays and Sundays; two and one-half times current hourly rate for holidays. Wage rates are subject to change, at any time, by law or by agreement between the UPRR and its employees, and may be retroactive as a result of negotiations or a ruling of an authorized Governmental Agency. Additional charges on labor are also subject to change. If the wage rate or additional charges are changed, the Contractor shall pay on the basis of the new rates and charges.

**C. Reimbursement to the UPRR.**

Reimbursement to the UPRR, by the Contractor, shall cover the full 8 hour day during which any flagger is furnished, unless they can be assigned to other UPRR work during a portion of such day. Reimbursement will not be required for the portion of the day during which the flagger is engaged in other UPRR work. Reimbursement will also be required for any day not actually worked by said flagger following assignment to work on the project for which the UPRR is required to pay the flagger and which could not reasonably be avoided by the UPRR by assignment of such flagger to other work, even though the Contractor may not be working during such time.

In the event the Contractor fails to reimburse the UPRR, the Contracting Authority will reimburse the UPRR within 30 calendar days of the Contractor defaulting on the payment (default is defined as non-payment within 30 calendar days of final billing by the UPRR to the Contractor). Failure of the

Contractor to reimburse the UPRR may result in a reduction or suspension of the Contractors bidding qualifications according to Article 1102.03 of the Standard Specifications.

**D. Documentation and Reimbursement to the Contractor.**

The Contractor shall initially pay UPRR invoices for all flagging costs in conjunction with railroad flaggers when any of the conditions identified in Article DS-01101.04, warrant a flagger. The Contracting Authority will reimburse the Contractor for any daily cost that exceeds \$700 per day for the cost of flagger services provided by the UPRR. The Contracting Authority will reimburse the Contractor 100% of the total cost of flagger services, as deemed necessary by the UPRR, that does not meet any of the conditions identified in Article DS-01101.04, unless the flagger's presence on the project was a result of the Contractor's communication, or lack of communication, with the UPRR. The Contracting Authority will reimburse the Contractor following completion of all work necessitating flagging operations by the UPRR and receipt of documentation verifying the UPRR invoices have been paid.

For each day that railroad flaggers have been provided, the Contractor shall document daily the conditions on the project site that warrant the flagger. The Contractor shall submit the daily records to the Engineer each week. The Engineer will review the daily logs and promptly notify the Contractor if any information in the daily log is believed to be incorrect.

The Contractor shall forward copies of the invoices received from the UPRR for flaggers and a summary of the flagging costs incurred that exceed the Contractors' requirements described in Article DS-01101.04, to the Engineer with a request for payment for the additional railroad flagger costs. The Engineer will review the Contractor's daily logs against the UPRR's invoice and make payment for the eligible costs in accordance with Article 1109.03, of the Standard Specifications.

The Contractor shall be responsible to the UPRR for all flagging costs. Flagging costs for subcontracted work shall be the responsibility of the Contractor. Reimbursement from subcontractors to the Contractor shall be the sole responsibility of the Contractor.

The Contractor shall forward, to the Engineer, copies of payments made to the UPRR for flagging costs.

The Contracting Authority may award multiple contracts for work in the same general area. The Contractor shall try to stage work to minimize the need for railroad flaggers. In the event of multiple projects in a particular location, the Contractor initially requiring flagging on a daily basis shall be responsible for all flagging costs for that day.

**01101.19 TEMPORARY CROSSINGS.**

At other than established public road crossings, the Contractor shall not move any equipment or materials across the UPRR's tracks until written permission has been obtained from the UPRR.

If the Contractor requires a temporary railroad crossing the Contractor shall arrange for the crossing installation at a mutually acceptable location at the Contractor's expense to include all UPRR costs of installation, maintenance, removal, and track restoration. The temporary crossing shall be gated and locked at all times when not required for use by the Contractor. Flagging will always be required during use of a temporary crossing. The billing, Contractor payment provisions, and final Contractor payment requirements for crossing costs except flagging are to be covered as agreed to in a separate agreement between the Contractor and UPRR. Prior notice of need for a temporary crossing needs to allow for UPRR site review, cost estimating, securing material, and work crew scheduling and will vary. The Contractor should contact the UPRR prior to making a bid when a temporary crossing is required.

**01101.20 LIMITATION OF RIGHTS GRANTED.**

The Contract, any Temporary Easement, and Permanent Easement are all subject to the prior and continuing right and obligation of the UPRR to use and maintain its property, not inconsistent with

highway purposes, including the right and power of the UPRR to construct, maintain, repair, renew, use, operate, change, modify, or relocate UPRR tracks, roadways, signal, communication, fiber optics, or other wirelines, pipelines, and other facilities upon, along, or across any or all parts of its property, all or any of which may be freely done at any time or times by the UPRR, not inconsistent with highway purposes and at UPRR's sole cost and expense.

The Contract, Temporary Construction easement, and Permanent Easement are subject to all outstanding rights (including those in favor of licensees and lessees of the UPRR's property, and others) and the right of the UPRR to renew and extend the same, and is made without covenant of title or for quiet enjoyment.

**01101.21 MECHANICS' LIENS.**

The Contractor shall not permit or suffer any mechanic's or material supplier's liens of any kind or nature to be enforced against any property of the UPRR for any work performed. The Contractor shall indemnify and hold harmless the UPRR from and against any liens, claims, demands, costs, or expenses of whatsoever nature in any way connected with or growing out of such work done, labor performed, or materials furnished. It is understood that this specification may be recorded in the county in which the work is to be performed and such recording shall serve as public notice that no Contractor, subcontractor, or material supplier shall file any notice of a mechanic's or material supplier's lien or permit or suffer any mechanic's lien or material supplier's lien on the property of the UPRR to the extent permitted by law.

**01101.22 METHOD OF MEASUREMENT AND BASIS OF PAYMENT.**

UPRR Insurance Provisions required by this specification above those required by Division 11 of the Standard Specifications will be measured as a lump sum. The cost of the insurance provisions above that required by Division 11 of the Standard Specifications shall be included in the lump sum bid price for UPRR Insurance Provisions.