

New York State Office Of General Services
Procurement Services Group
Corning Tower Building
Empire State Plaza
Albany, New York 12242
<http://www.ogs.ny.gov>

PURCHASING MEMORANDUM

CONTRACT AWARD NOTIFICATION UPDATE

AWARD NUMBER: [22192](#)

DATE: April 11, 2012

GROUP: 31506 - LIQUID BITUMINOUS MATERIALS
(Microsurfacing and/or Quick Set Slurry Seal)
(All State Agencies & Political Subdivisions)

PLEASE ADDRESS INQUIRIES TO

STATE AGENCIES & CONTRACTORS:

Marcos Ortiz, CPPB
Purchasing Officer I
(518) 474-1557
marcos.ortiz@ogs.ny.gov

ORIGINAL CONTRACT PERIOD:
May 1, 2011 through April 30, 2012

OTHER AUTHORIZED USERS

Customer Services
(518) 474-6717
customer.services@ogs.ny.gov

UPDATED CONTRACT PERIOD:
May 1, 2011 through April 30, 2013

SUBJECT: CONTRACT RENEWAL

The contractors below have agreed to the renewal of the above referenced contract until **April 30, 2013**.

CONTRACTOR/ CONTRACT NO.:
Gorman Bros., Inc. / PC65444
Midland Asphalt Materials, Inc. / PC65445
New York Bituminous Products Corp. / PC65446
Suit-Kote Corporation / PC65447
Thos. H. Gannon & Sons, Inc. / PC65448
Vestal Asphalt, Inc. / PC65449

TO ALL STATE AGENCIES AND OTHERS AUTHORIZED TO USE STATE CONTRACTS:

The price adjustment will be based on the original base when bid and the new average in effect during the month the project takes place.

All other terms and conditions of the original award apply.

Please adjust your records accordingly to reflect this contract renewal.

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New York State Office Of General Services
Procurement Services Group
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Albany, New York 12242
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PURCHASING MEMORANDUM

CONTRACT AWARD NOTIFICATION UPDATE

AWARD NUMBER: [22192](#)

DATE: August 29, 2011

GROUP: 31506 - LIQUID BITUMINOUS MATERIALS
(Microsurfacing and/or Quick Set Slurry Seal)
(All State Agencies & Political Subdivisions)

PLEASE ADDRESS INQUIRIES TO

STATE AGENCIES & CONTRACTORS:

Marcos Ortiz, CPPB
Purchasing Officer I
(518) 474-1557
marcos.ortiz@ogs.ny.gov

CONTRACT PERIOD: May 1, 2011 to
April 30, 2012

OTHER AUTHORIZED USERS

Customer Services
(518) 474-6717
customer.services@ogs.ny.gov

CONTRACTOR(S): GORMAN BROS., INC.
NEW YORK BITUMINOUS PRODUCTS CORP.
SUIT-KOTE CORPORATION

CONTRACT NO(S): PC65444, PC65446, PC65447

SUBJECT: Lowered Prices

TO ALL STATE AGENCIES AND OTHERS AUTHORIZED TO USE STATE CONTRACTS:

The above referenced contractors have offered and we have accepted lower pricing as listed on the ensuing pages.

All other terms and conditions of the contract remain in effect. This purchasing memorandum should be attached to and made a part of the Award.

**PRICE PER TON TO FURNISH MATERIAL, HAUL,
DELIVER AND APPLY WITH CONTRACTOR'S EQUIPMENT**

18410.2011 QUICK SET SLURRY SEAL - TYPE II

26-50 MILES/TONS PER DAY

Contractor	Plant	0-50 Tons/ Day 26-50Mi	51-100 Tons/ Day 26-50Mi	101-300 Tons/ Day 26-50Mi	301-500 Tons/ Day 26-50Mi	501+ Tons/ Day 26-50Mi
Suit-Kote Corporation	L0202				\$158.662	

**PRICE PER TON TO FURNISH MATERIAL, HAUL,
DELIVER AND APPLY WITH CONTRACTOR'S EQUIPMENT**

18410.2012 QUICK SET SLURRY SEAL - TYPE III (Cont'd)

26-50 MILES/TONS PER DAY

Contractor	Plant	0-50 Tons/ Day 26-50Mi	51-100 Tons/ Day 26-50Mi	101-300 Tons/ Day 26-50Mi	301-500 Tons/ Day 26-50Mi	501+ Tons/ Day 26-50Mi
Suit-Kote Corporation	L0202				\$158.662	

**PRICE ADDITIONAL PER LINEAR FOOT FOR MILLING RECESSES TO RECEIVE PAVEMENT
MARKINGS WITH WORK ZONE TRAFFIC CONTROL**

Contractor	Plant	By Owner Agency	By Vendor
Suit-Kote Corporation	L0602	\$0.620	\$0.880
Suit-Kote Corporation	L0503	\$0.620	\$0.880
Suit-Kote Corporation	L0301	\$0.620	\$0.880
Suit-Kote Corporation	L0501	\$0.620	\$0.880
Suit-Kote Corporation	L0202	\$0.620	\$0.880
Suit-Kote Corporation	L0902	\$0.620	\$0.880
Suit-Kote Corporation	L0401	\$0.620	\$0.880
Suit-Kote Corporation	L0703	\$0.620	\$0.880
Suit-Kote Corporation	L0603	\$0.620	\$0.880
Suit-Kote Corporation	L0907	\$0.620	\$0.880

**PRICE ADDITIONAL PER TON FOR WORK ZONE TRAFFIC CONTROL
BY CONTRACTOR WITHIN THE FIVE BOROUGHES OF NEW YORK CITY
AND NASSAU, SUFFOLK, ROCKLAND, AND WESTCHESTER COUNTIES**

ALL MATERIALS

**QUANTITY IN TONS PER DAY
TWO-WAY ROADWAY**

Contractor	Plant	0-50	51-100	101-300	301-500	501+
Gorman Bros., Inc.	L0103			\$41.500	\$34.500	

**PRICE ADDITIONAL PER TON FOR WORK ZONE TRAFFIC CONTROL
BY CONTRACTOR WITHIN THE FIVE BOROUGHES OF NEW YORK CITY
AND NASSAU, SUFFOLK, ROCKLAND, AND WESTCHESTER COUNTIES**

ALL MATERIALS

**QUANTITY IN TONS PER DAY
ONE-WAY ROADWAY**

Contractor	Plant	0-50	51-100	101-300	301-500	501+
Gorman Bros., Inc.	L0103			\$41.500	\$34.500	

**PRICE ADDITIONAL PER LINEAR FOOT FOR ABRADING
EXISTING PAVEMENT MARKINGS WITH WORK ZONE TRAFFIC CONTROL**

Contractor	Plant	By Owner Agency	By Vendor
Suit-Kote Corporation	L0301		\$0.680

PRICE ADDITIONAL PER TON OF MICROSURFACING PLACED FOR LONGITUDINAL JOINT REPAIR

Contractor	Plant	Joint Repair
NY Bituminous Products Corp.	L0803	\$140.000

PRICE ADDITIONAL PER DAY FOR WORK AT NIGHT

ALL MATERIALS

Contractor	Plant	Night Work
Gorman Bros., Inc.	L0103	\$1,900.000
Gorman Bros., Inc.	L0203	\$1,900.000
Gorman Bros., Inc.	L0201	\$1,900.000
NY Bituminous Products Corp.	L0803	\$2,373.000

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State of New York Executive Department
Office Of General Services
Procurement Services Group
Corning Tower Building - 38th Floor
Empire State Plaza
Albany, New York 12242
<http://www.ogs.state.ny.us>

CONTRACT AWARD NOTIFICATION

Title	:	Group 31509 – LIQUID BITUMINOUS MATERIALS (Paver Placed Surface Treatment – Conventional and Rubber Modified – FOB) (Statewide) Classification Code(s): 30
Award Number	:	<u>22196-RA</u> (Replaces Award 21939-RA-PF)
Contract Period	:	May 1, 2011 to April 30, 2012
Bid Opening Date	:	January 12, 2011
Date of Issue	:	April 21, 2011
Specification Reference	:	SPEC-919 dated September 27, 2010 and as amended in the Invitation for Bids
Contractor Information	:	Appears on Page 2 of this Award

Address Inquiries To:

State Agencies & Vendors	Political Subdivisions & Others
Name : José DeAndres Title : Purchasing Officer I Phone : 518-473-8572 Fax : 518-474-8676 E-mail : jose.deandres@ogs.state.ny.us	Procurement Services Group Customer Services Phone : 518-474-6717 Fax : 518-474-2437 E-mail : customer.services@ogs.state.ny.us

**The Procurement Services Group values your input.
Complete and return "Contract Performance Report" at end of document.**

Description

Conventional and Rubber Modified Paver Placed Surface Treatment is a preventive maintenance treatment used to preserve highway pavements. The treatment is a surface paving system, placed by a self-priming paver, where a modified emulsion tack coat is placed directly before the application of a conventional or rubber modified hot mix asphalt wearing course.

PR # 22196

(continued)

NOTE: See individual contract items to determine actual awardees.

<u>CONTRACT #</u>	<u>CONTRACTOR & ADDRESS</u>	<u>TELEPHONE #</u>	<u>FEIN</u>
PC65417	ALL STATES ASPHALT, INC. 325 Amherst Road Sunderland, MA 01375 <i>Open Mon-Fri 7:00 AM to 5:00 PM</i>	800/343-9620 413/665-7021 Alan L. Chicoine Fax: 413/665-9027 E-mail: asphalt@asmg.com Web Site: www.asmg.com	042216868
PC65418	GORMAN BROS., INC. 200 Church Street Albany, NY 12202 <i>Open Mon-Fri 7:00 AM to 3:30 PM</i>	518/462-5401 Edward A. House Fax: 518/462-1296 E-mail: ehous@gormanroads.com Web Site: www.gormanroads.com	140704840
PC65419	MIDLAND ASPHALT MATERIALS INC. 640 Young Street Tonawanda, NY 14150 <i>Open Mon-Fri 7:00 AM to 5:00 PM</i>	716/692-0730, Ext. 4418 Tim McNally Fax: 716/692-0613 E-mail: tmcnally@midlandasphalt.com Web Site: midlandasphalt.com	260038619

Cash Discount, If Shown, Should be Given Special Attention.

INVOICES MUST BE SENT DIRECTLY TO THE ORDERING AGENCY FOR PAYMENT.
(See "Contract Payments" and "Electronic Payments" in this document.)

AGENCIES SHOULD NOTIFY THE PROCUREMENT SERVICES GROUP PROMPTLY IF THE CONTRACTOR FAILS TO MEET DELIVERY OR OTHER TERMS OF THIS CONTRACT. PRODUCTS OR SERVICES WHICH DO NOT COMPLY WITH THE SPECIFICATIONS OR ARE OTHERWISE UNSATISFACTORY TO THE AGENCY SHOULD ALSO BE REPORTED TO THE PROCUREMENT SERVICES GROUP.

RECYCLED, REMANUFACTURED AND ENERGY EFFICIENT PRODUCTS:

The Procurement Services Group supports and encourages the purchase of recycled, remanufactured, energy efficient and "energy star" products. If one of the following codes appears as a suffix in the Award Number or is noted under the individual Contract Number(s) in this Contract Award Notification, please look at the individual awarded items for more information on products meeting the suffix description.

RS,RP,RA	Recycled
RM	Remanufactured
SW	Solid Waste Impact
EE	Energy Efficient
E*	EPA Energy Star
ES	Environmentally Sensitive

(continued)

NOTE TO AUTHORIZED USERS:

When placing purchase orders under the contract(s), the authorized user should be familiar with and follow the terms and conditions governing its use which usually appears at the end of this document. The authorized user is accountable and responsible for compliance with the requirements of public procurement processes. The authorized user must periodically sample the results of its procurements to determine its compliance. In sampling its procurements, an authorized user should test for reasonableness of results to ensure that such results can withstand public scrutiny.

The authorized user, when purchasing from OGS contracts, should hold the contractor accountable for contract compliance and meeting the contract terms, conditions, specifications, and other requirements. Also, in recognition of market fluctuations over time, authorized users are encouraged to seek improved pricing whenever possible.

Authorized users have the responsibility to document purchases, particularly when using OGS multiple award contracts for the same or similar product(s)/service(s), which should include:

- a statement of need and associated requirements,
- a summary of the contract alternatives considered for the purchase,
- the reason(s) supporting the resulting purchase (e.g., show the basis for the selection among multiple contracts at the time of purchase was the most practical and economical alternative and was in the best interests of the State).

CONTRACTOR REQUIREMENTS AND PROCEDURES FOR EQUAL EMPLOYMENT AND BUSINESS PARTICIPATION OPPORTUNITIES FOR MINORITY GROUP MEMBERS AND NEW YORK STATE CERTIFIED MINORITY/WOMEN-OWNED BUSINESSES

In accordance with Article 15-A of the New York State Executive Law (Participation by Minority Group Members and Women with Respect to State Contracts) and in conformance with the Regulations promulgated by the Minority and Women's Business Development Division of the New York State Department of Economic Development set forth at 5 NYCRR Parts 140-144, the Offerer/Contractor agrees to be bound by the following to promote equality of economic opportunities for minority group members and women, and the facilitation of minority and women-owned business enterprise participation on all covered OGS contracts.

- a. **Equal Employment Opportunity Requirements**
By submission of a bid or proposal in response to this solicitation, the Offerer agrees with all of the terms and conditions of Appendix A including Clause 12 - Equal Employment Opportunities for Minorities and Women. The contractor is required to ensure that the provisions of Appendix A clause 12 – Equal Employment Opportunities for minorities and women, are included in every subcontract in such a manner that the requirements of these provisions will be binding upon each subcontractor as to work in connection with the State contract.
- b. **Participation Opportunities for New York State Certified Minorities and Women-Owned Businesses**
Authorized Users are encouraged to make every good faith effort to promote and assist the participation of New York State Certified Minority and Women-owned Business Enterprises (M/WBE) as subcontractors and suppliers on this contract for the provision of services and materials. To locate New York State Certified M/WBEs, the directory of Certified Businesses can be viewed at:
http://www.empire.state.ny.us/Small_and_Growing_Businesses/mwbe.asp

DEBRIEFING:

Contractors and bidders are accorded fair and equal treatment with respect to the opportunity for debriefing. OGS shall, upon request, provide a debriefing to any bidder or awarded contractor that responded to the IFB or RFP regarding the reason that the proposal or bid submitted by the unsuccessful bidder was not selected for a contract award. The post award debriefing should be requested by the bidder or awarded contractor within thirty days of posting of the contract award on the OGS website.

(continued)

PRICE:

General – Section 24-b of Appendix B, the General Specifications has been modified to include the following:

Price is FOB the contractor's location per square yard based on average daily production for the conventional and rubber modified paver placed surface treatment.

The contractor is to furnish all necessary labor and equipment to complete the conventional or rubber modified paver placed surface treatment work under this contract. Cleaning the existing pavement shall be the responsibility of the State or political subdivision. Permanent pavement striping will be the responsibility of the State or political subdivision upon completion of the conventional or rubber modified paver placed surface treatment after the contractor has vacated the project site.

The price for optional work zone traffic control is per square yard of conventional or rubber modified paver placed surface treatment.

Price for additional flaggers (if required) is net per day (to the nearest quarter day) for additional flaggers.

Price for optional pilot vehicles with drivers (if required) is net per day (to the nearest quarter day) for each pilot vehicle with driver.

Price for optional additional construction signs is net per square foot (including signs, sign supports, installation, and removal) of additional construction signs.

Price for additional cost per day for Saturday and Sunday work, when directed by the resident engineer or individual authorized by using agency, is net per day for Saturday or Sunday work.

Price for abrading the existing pavement markings by the vendor, with work zone traffic control by the owner (if required) is net per linear foot at 4 inches wide of pavement markings actually abraded by the vendor. This price includes all costs for pavement marking abrading including all labor, materials, and equipment necessary to abrade the pavement markings.

Price for abrading the existing pavement markings by the vendor, with work zone traffic control by the vendor (if required) is net per linear foot at 4 inches wide of pavement markings actually abraded by the vendor. This price includes all costs for pavement marking abrading including all labor, materials, and equipment necessary to abrade the pavement markings and all costs to properly maintain traffic.

Price for overlay splices with work zone traffic control by the owner (if required) is net per linear foot at 3 feet wide of overlay splices actually constructed by the vendor. This price includes all costs for conventional or rubber modified paver placed surface treatment overlay splices including all labor, materials, and equipment necessary to construct the overlay splices.

Price for splices with work zone traffic control by the vendor (if required) is net per linear foot at 3 feet wide of overlay splices actually constructed by the vendor. This price includes all costs for conventional or rubber modified paver placed surface treatment overlay splices including all labor, materials, and equipment necessary to contract the overlay splices and all costs to properly control traffic.

The equipment supplied to place the conventional or rubber modified paver placed surface treatment shall meet the appropriate requirements of the New York State Department of Transportation Standard Specifications. All necessary operators shall be supplied along with the conventional or rubber modified paver placed surface treatment spreader and the rollers. All personnel supplied for the work under this contract shall be qualified and experienced in conventional or rubber modified paver placed surface treatment placement.

Price Additional for Mobilization from Contractor's Location to Project Location - Price additional for mobilization from contractor's location to project location is net per square yard of accepted conventional or rubber modified paver placed surface treatment in place performed at the locations indicated by the State's resident engineer or political subdivision's representative. Conventional or rubber modified paver placed surface treatment shall be performed in accordance with NYSDOT's Standard Specifications and as per the attached specifications for conventional or rubber modified paver placed surface treatment. Cleaning the existing pavement will be the responsibility of the State or owner political subdivision. Erecting warning signs and directing traffic will be the responsibility of the purchasing agency or the contractor using the optional work zone traffic control section of this Contract Award Notification at the discretion of the purchasing agency.

(continued)

PRICE: (Cont'd.)

Insurance - Price includes the following insurance coverage costs:

- Commercial General Liability Insurance with a limit of not less than \$5,000,000 each occurrence ;
- Comprehensive Business Automobile Liability Insurance with a limit of not less than \$2,000,000 each accident;

Owners and Contractors Protective Insurance Coverage (OCP) shall be a separate price and shall only be included when specifically called for by an ordering agency. OCP requirements should be reviewed carefully. (Please see separate CONTRACTOR INSURANCE clause.) Note that pricing for OCP is not required to be bid and is not a requirement for award; however, if an agency requires OCP coverage the vendor must supply it. This requirement will be stated on the “Quick-Quote” form and a pass through cost will be allowed. The charge for OCP insurance will be used to determine the lowest cost for the project.

Lower Pricing - The State reserves the right to negotiate lower pricing, or to advertise for bids, whichever is in the State's best interest as determined by the Commissioner, in the event of a significant decrease in market price of any product listed. In addition, if the contractor’s normal pricing to the public or to the trade in general is less than the net/contract pricing with the application of a contract discount, etc., then the normal pricing to the public or to the trade in general shall also be granted to contract participants.

Price Reductions - Contractors shall be permitted to reduce their pricing any time during the contract term. In addition, contractors may choose to offer lower prices in specific instances or for particular projects. Vendors may do so through the agency's use of the “Quick Quote/Price Calculation” worksheet.

ASPHALT PRICE ADJUSTMENTS:

1. Asphalt Price Adjustments allowed will be based on the October 1, 2010 average of the F.O.B. terminal price per ton of unmodified PG 64-22 binder without anti-stripping agent (base average F.O.B. terminal price). The new monthly average terminal price will be determined by the New York State Department of Transportation based on prices of preapproved primary sources of performance graded binder in accordance with the New York State Department of Transportation Standard Specification.

The October 1, 2010 average is \$489.00 per ton.

NOTE: The same grade of asphalt cement used in establishing the base average F.O.B. terminal price shall be used in establishing the new average F.O.B. terminal price.

In the event that one or more of the New York State Department of Transportation preapproved sources discontinue posting a price for asphalt cement, the base average F.O.B. terminal **price shall not be recalculated.**

2. The new average F.O.B. terminal price will be determined based on the above F.O.B. terminal prices posted on the 20th of each month, hereafter known as the “Adjustment Date”, during the contract period starting with April 20, 2011. However, Asphalt Price Adjustments, in accordance with the formula below, will be effective for deliveries made on and after the first of the month (i.e., May 1, 2011) following the adjustment date.
3. The unit prices of bituminous materials purchased from any award based on this specification will be subject to adjustment based on the following formula:

Price Adjustment (Per Square Yard)	=	New Average FOB Terminal Price	–	Base Average Terminal Price	X	Total Allowable Petroleum %	X	0.033
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New Monthly Average F.O.B. Terminal Price -

The average F.O.B. terminal price for unmodified PG 64-22 binder without anti-stripping agent as determined by the New York State Department of Transportation per New York State Department of Transportation Standard Specification.

Base Average F.O.B. Terminal Price -

The average F.O.B. terminal price of unmodified PG 64-22 binder without anti-stripping agent as determined by the New York State Department of Transportation as of October 1, 2010.

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ASPHALT PRICE ADJUSTMENTS: (Cont'd.)

Total Allowable Petroleum -

The percentage of total allowable petroleum for each item is as follows:

Item #	Material Designation	Grade	Asphalt %	Petroleum Allowance %	Total Allowable Petroleum %
18403.221xxx	702-PG6422 & 702-4701	PG 64-22 & CRS-1p	6.5%	1.0%	7.5%
18403.222xxx	702-PG6422 & 702-4701	PG 64-22 & CRS-1p	6.5%	1.0%	7.5%
18403.223xxx	702-PG6422 & 702-4701	PG 64-22 & CRS-1p	6.5%	1.0%	7.5%

Asphalt price adjustments will not be allowed for materials which do not have an asphalt cement base.

EXAMPLE: Item 18403.221101 \$499.00-\$489.00 = \$10.00
 Base Avg. Price = \$489.00 \$10.00 X .075 = \$.75
 New Avg. Price = \$499.00 \$.75 X 0.033 = +\$0.025/square yard
 Total Allowable Petroleum = 7.5%

Positive Price Adjustment number shall be added to original per ton Price.

Negative Price Adjustment number shall be subtracted from original per ton Price.

4. Work performed after the expiration of the contract, where no extension has been granted, resultant from purchase orders placed prior to expiration of the contract will receive the Asphalt Price Adjustments applicable in effect during the last month of the contract.

Asphalt Price Adjustments for any contracts that are extended will be based on the new average for the month in which the work is done applying the same base established for that contract.

5. Asphalt Price Adjustments allowed by this contract shall be calculated and applied to the original prices. There will not be Asphalt Price Adjustments unless the change amounts to more than \$0.003 per square yard from the original price. In these instances, prices will revert back to the original prices.
6. All Asphalt Price Adjustments will be computed to three decimal places.
7. Should these provisions result in a price structure which becomes unworkable, detrimental or injurious to the State or in prices which are not truly reflective of market conditions or which are deemed by the Commissioner to be unreasonable or excessive, and no adjustment in price is mutually agreeable, the Commissioner reserves the sole right upon ten days written notice mailed to the contractor to terminate any contract resulting from this bid opening.
8. All Asphalt Price Adjustments shall be published by the State and issued to all contract holders whose responsibility will be to attach the appropriate State notification (based on when the work was performed) to the payment invoice submitted to agency.

Note -

All construction and materials quantities specified are in English units and should be billed accordingly.

References are made herein to New York State Department of Transportation, Standard Specifications, Construction and Materials, dated May 1, 2008 and all current addenda. A copy may be obtained through the Department's publication unit. Call 518-457-4401 for information.

For information regarding how to become an approved facility or to make arrangements for inspection of materials or equipment when required, contact the Materials Bureau of the Department of Transportation at 518-457-3240.

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QUICK QUOTE/PRICE CALCULATION:

Using agencies have two methods of selecting the appropriate contractor to perform their particular project, either using the price calculation worksheet or using the quick quote process.

Price Calculation Worksheet:

Agencies may use the contract prices to complete the price calculation worksheet to determine the contractor offering the most practical and economical alternative using the agency's form, function, and utility requirements. Agencies are encouraged to use the lowest bidder but if the lowest bidder is not selected, then the agency must prepare documentation for the procurement record explaining the action taken (i.e., the low contractor could not provide the product in the time frame required, contractor did not have the needed equipment, etc.).

Quick Quote:

During the course of the award, agencies may wish to try to obtain lower prices and contractors may wish to lower their contract prices for various reasons, i.e., excess supply, slow business, etc. Each quick quote situation is unique and the price is firm for that particular project only. If bid security is a concern, the agency may require bids to be sealed and/or opened publicly.

The use of the quick quote format is optional although highly recommended. (The "Quick Quote" worksheet appears on the following page)

Agencies electing to use the quick quote are required to award to the lowest responsive bid meeting the agency's requirements outlined in the requested quote. There are no negotiations permitted following the "Quick Quote" and prices cannot be changed once offered. If award is made to other than the lowest bid, the agency must prepare detailed documentation explaining the action taken for the failure to meet requirements. (i.e., the low contractor could not provide the product in the time frame required, contractor did not have needed equipment, etc.). This explanation along with the worksheets must be made a part of the procurement record.

Contractors are not required to lower prices when they receive a quick quote. They may quote the contract price. However, at no time, may a quick quote price exceed the contract price. Materials cost, hauling expenses, etc., can be lowered by the contractor during the quick quote process.

Since asphalt price adjustments will be charged/credited to all invoices (after the work is finished), **asphalt price adjustments are not a factor to be considered when offering quick quote pricing.**

AWARD PENDING:

Any contractor given an "Award Pending" for a material item may become eligible for award by reducing their price(s) to less than or equal to the "revised average price" increased by 20%. **Acceptable revised pricing for material items shall be considered up to thirty days after date issued that appears on the original Contract Award Notification and again 30 days thereafter.** A supplemental award(s) shall then be published to incorporate contractors whose material pricing is determined to be acceptable. Any contractor given an "Award Pending" for an "optional" item may become eligible for award by reducing its price(s) as previously stated. Acceptable revised pricing for "optional" items will not have time restrictions and will be handled by issuance of Purchasing Memoranda.

The following are optional items:

- PRICE PER SQUARE YARD FOR MOBILIZATION
- PRICE PER SQUARE YARD FOR OPTIONAL WORK ZONE TRAFFIC CONTROL
- PRICE FOR ADDITIONAL FLAGGERS
- PRICE PER OPTIONAL PILOT VEHICLE WITH DRIVER
- PRICE PER SQUARE FOOT FOR OPTIONAL ADDITIONAL CONSTRUCTION SIGNS
- PRICE PER LINEAR FOOT FOR ABRADING EXISTING PAVEMENT MARKINGS - OPTIONAL WORK ZONE TRAFFIC CONTROL PROVIDED BY OWNER AGENCY
- PRICE PER LINEAR FOOT FOR ABRADING EXISTING PAVEMENT MARKINGS - OPTIONAL WORK ZONE TRAFFIC CONTROL PROVIDED BY VENDOR
- PRICE PER LINEAR FOOT FOR OVERLAY SPLICES - OPTIONAL WORK ZONE TRAFFIC CONTROL PROVIDED BY OWNER AGENCY
- PRICE PER LINEAR FOOT FOR OVERLAY SPLICES - OPTIONAL WORK ZONE TRAFFIC CONTROL PROVIDED BY VENDOR

(continued)

QUICK QUOTE/PRICE CALCULATION WORKSHEET
CONVENTIONAL OR RUBBER MODIFIED PAVER PLACED SURFACE TREATMENT

Agency: _____ Date: _____

Project Name: _____ Number: _____ Project Location: _____

Conventional or Rubber Modified

Paver Placed Surface Treatment Item: _____ Type: _____ Estimated Total Quantity: _____ Square Yards

Work Zone Traffic Control by Contractor Required? YES NO Roadways: One-Way Two-Way

Abrade Pavement Markings? YES NO WZTC by Agency WZTC by Vendor _____ Linear Feet

Overlay Splices? YES NO WZTC by Agency WZTC by Vendor _____ Linear Feet

Additional Flaggers Required? YES NO Number of Additional Flaggers Required: _____

OCP Insurance Required? YES NO

Anticipated Project Initiation Date: _____ WORKSHEET MUST BE RETURNED BY _____

Agency Signature: _____ Agency Name: _____

NOTE: Agency representative must complete top of form. Vendor completes bottom of form.

Agency is only required to consider those contractors whose distance from their plant location to the project location is a practical distance to assure the proper quality and production controls of the Bituminous Materials.

Vendor Name _____ Telephone _____ PC Number _____

Plant Location _____ Plant Number _____ Estimated Haul Distance _____ PRC Number **2010009196**

Estimated Number of Days _____ or Hours _____ to Complete Project

Conventional or Rubber Modified

Paver Placed Surface Treatment (including haul, deliver & apply) \$ _____ /Square Yard

Price Additional for Mobilization to Project Location \$ _____ /Square Yard

Work Zone Traffic Control \$ _____ /Square Yard

TOTAL COST Per Square Yard \$ _____ /Square Yard

Conventional or Rubber Modified

Paver Placed Surface Treatment \$ _____ Total Cost/Square Yard X _____ Square Yards = \$ _____

Overlay Splices \$ _____ /Linear Foot X _____ Linear Feet = \$ _____

Additional Flaggers \$ _____ /Day X _____ # of Flaggers = \$ _____

Pilot Vehicle w/Driver \$ _____ /Day X _____ # of Pilot Vehicles = \$ _____

Additional Construction Signs \$ _____ /Square Foot X _____ # of Square Feet = \$ _____

Abrade Markings \$ _____ /Linear Foot X _____ Linear Feet = \$ _____

PRICE FOR OCP INSURANCE (\$1,000,000/occurrence; \$2,000,000 in the aggregate) = \$ _____

TOTAL PROJECT COST = \$ _____

Can Vendor Supply? YES NO Can Vendor meet Schedule? YES NO

Vendor Signature _____ Date _____

Agency Comments* _____

This form must be sent to all the contractors within the proximity of the project.

* Explain under "Agency Comments" any rejection of lowest price.

NOTE: Since price adjustments will be charged/credited to all invoices (after the work is finished), price adjustments are not a factor to be considered when offering pricing. Any reduction in prices must be based on the actual awarded price for each item in the contract.

NOTE: **The applicable 5-digit PC (contract) number and 10-digit PRC (Prevailing Wage Rate Schedule) number should be cited in the spaces provided on this sheet.**

(continued)

LOCATION BY CONTRACTOR

Contractor	Address	City, State, Zip	County	Plant
All States Asphalt, Inc.	325 Amherst Road	Sunderland, MA 01375		L0108
Gorman Bros, Inc.	200 Church Street	Albany, NY 12202	Albany	L0103
Gorman Bros, Inc.	20 Robinson Road	Clinton, NY 13323	Oneida	L0201
Gorman Bros, Inc.	446 Route 161	Amsterdam, NY 12010	Montgomery	L0203
Midland Asphalt Materials, Inc.	4478 Lower Birch Run Rd	Allegany, NY 14706	Cattaraugus	L0505
Midland Asphalt Materials, Inc.	300 Cole Road	Lyons, NY 13217	Wayne	L0403
Midland Asphalt Materials, Inc.	640 Young Street	Tonawanda, NY 14150	Erie	L0502

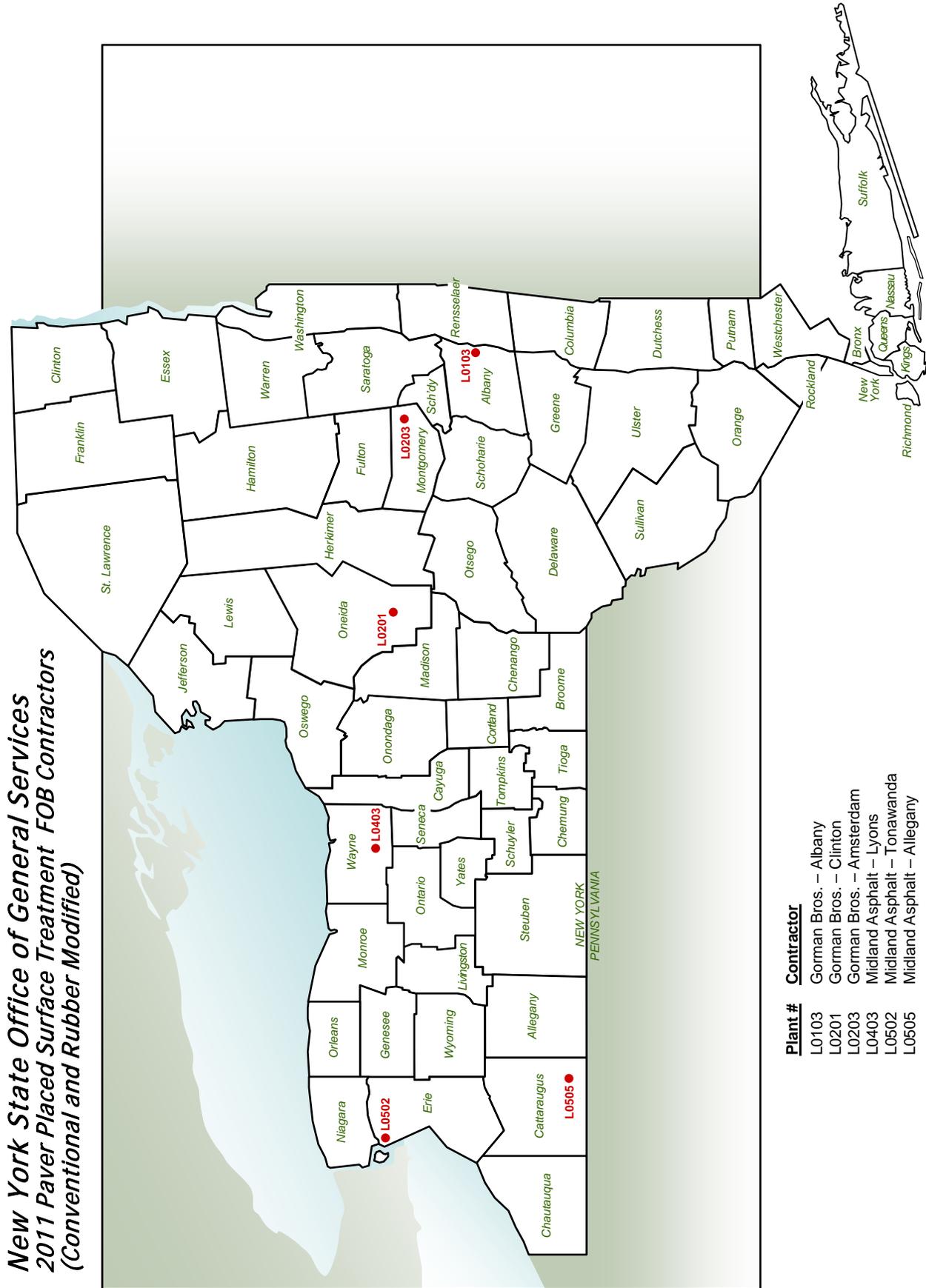
LOCATION BY COUNTY

County	Contractor	Address	City, State, Zip	Plant
Albany	Gorman Bros, Inc.	200 Church Street	Albany, NY 12202	L0103
Cattaraugus	Midland Asphalt Materials, Inc.	4478 Lower Birch Run Rd	Allegany, NY 14706	L0505
Erie	Midland Asphalt Materials, Inc.	640 Young Street	Tonawanda, NY 14150	L0502
Montgomery	Gorman Bros, Inc.	446 Route 161	Amsterdam, NY 12010	L0203
Oneida	Gorman Bros, Inc.	20 Robinson Road	Clinton, NY 13323	L0201
Wayne	Midland Asphalt Materials, Inc.	300 Cole Road	Lyons, NY 13217	L0403
	All States Asphalt, Inc.	325 Amherst Road	Sunderland, MA 01375	L0108

LOCATION BY CITY

City, State, Zip	Contractor	Address	County	Plant
Albany, NY 12202	Gorman Bros, Inc.	200 Church Street	Albany	L0103
Allegany, NY 14706	Midland Asphalt Materials, Inc.	4478 Lower Birch Run Rd	Cattaraugus	L0505
Amsterdam, NY 12010	Gorman Bros, Inc.	446 Route 161	Montgomery	L0203
Clinton, NY 13323	Gorman Bros, Inc.	20 Robinson Road	Oneida	L0201
Lyons, NY 13217	Midland Asphalt Materials, Inc.	300 Cole Road	Wayne	L0403
Sunderland, MA 01375	All States Asphalt, Inc.	325 Amherst Road		L0108
Tonawanda, NY 14150	Midland Asphalt Materials, Inc.	640 Young Street	Erie	L0502

(continued)



(continued)

ITEM 18403.221102 - TYPE A F1 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	NB	NB	NB
Gorman Bros. - Albany	L0103	6.670	6.270	5.420
Gorman Bros. - Amsterdam	L0203	5.820	5.540	5.180
Gorman Bros. - Clinton	L0201	5.820	5.540	5.180
Midland Asphalt - Allegany	L0505	6.800	6.440	5.560
Midland Asphalt - Lyons	L0403	6.800	6.440	5.560
Midland Asphalt - Tonawanda	L0502	6.800	6.440	5.560

ITEM 18403.222102 - TYPE B F1 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	NB	NB	NB
Gorman Bros. - Albany	L0103	6.820	6.320	5.570
Gorman Bros. - Amsterdam	L0203	6.120	5.540	5.270
Gorman Bros. - Clinton	L0201	6.120	5.540	5.270
Midland Asphalt - Allegany	L0505	6.950	6.490	5.720
Midland Asphalt - Lyons	L0403	6.950	6.490	5.720
Midland Asphalt - Tonawanda	L0502	6.950	6.490	5.720

ITEM 18403.223102 - TYPE C F1 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	NB	NB	NB
Gorman Bros. - Albany	L0103	6.850	6.370	5.620
Gorman Bros. - Amsterdam	L0203	6.160	5.670	5.320
Gorman Bros. - Clinton	L0201	6.160	5.670	5.320
Midland Asphalt - Allegany	L0505	7.000	6.540	5.770
Midland Asphalt - Lyons	L0403	7.000	6.540	5.770
Midland Asphalt - Tonawanda	L0502	7.000	6.540	5.770

NB = No Bid

(continued)

ITEM 18403.221202 - TYPE A F2 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	5.800	5.450	4.800
Gorman Bros. - Albany	L0103	6.270	5.870	4.990
Gorman Bros. - Amsterdam	L0203	5.620	5.120	4.770
Gorman Bros. - Clinton	L0201	5.620	5.120	4.770
Midland Asphalt - Allegany	L0505	6.070	5.710	4.950
Midland Asphalt - Lyons	L0403	6.070	5.710	4.950
Midland Asphalt - Tonawanda	L0502	6.070	5.710	4.950

ITEM 18403.222202 - TYPE B F2 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	5.900	5.500	4.800
Gorman Bros. - Albany	L0103	6.220	5.870	5.120
Gorman Bros. - Amsterdam	L0203	5.620	5.120	4.820
Gorman Bros. - Clinton	L0201	5.620	5.120	4.820
Midland Asphalt - Allegany	L0505	6.150	5.770	5.050
Midland Asphalt - Lyons	L0403	6.150	5.770	5.050
Midland Asphalt - Tonawanda	L0502	6.150	5.770	5.050

ITEM 18403.223202 - TYPE C F2 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	5.900	5.500	4.850
Gorman Bros. - Albany	L0103	6.370	5.920	5.120
Gorman Bros. - Amsterdam	L0203	5.670	5.220	4.870
Gorman Bros. - Clinton	L0201	5.670	5.220	4.870
Midland Asphalt - Allegany	L0505	6.150	5.770	5.050
Midland Asphalt - Lyons	L0403	6.150	5.770	5.050
Midland Asphalt - Tonawanda	L0502	6.150	5.770	5.050

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ITEM 18403.221302 - TYPE A F3 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	5.800	5.450	4.800
Gorman Bros. - Albany	L0103	6.220	5.870	4.990
Gorman Bros. - Amsterdam	L0203	5.620	5.120	4.770
Gorman Bros. - Clinton	L0201	5.620	5.120	4.770
Midland Asphalt - Allegany	L0505	6.070	5.710	4.950
Midland Asphalt - Lyons	L0403	6.070	5.710	4.950
Midland Asphalt - Tonawanda	L0502	6.070	5.710	4.950

ITEM 18403.222302 - TYPE B F3 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	5.900	5.500	4.800
Gorman Bros. - Albany	L0103	6.120	5.870	5.120
Gorman Bros. - Amsterdam	L0203	5.670	5.120	4.820
Gorman Bros. - Clinton	L0201	5.670	5.120	4.820
Midland Asphalt - Allegany	L0505	6.100	5.730	5.050
Midland Asphalt - Lyons	L0403	6.100	5.730	5.050
Midland Asphalt - Tonawanda	L0502	6.100	5.730	5.050

ITEM 18403.223302 - TYPE C F3 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	5.900	5.500	4.850
Gorman Bros. - Albany	L0103	6.320	5.970	5.120
Gorman Bros. - Amsterdam	L0203	5.670	5.220	4.870
Gorman Bros. - Clinton	L0201	5.670	5.220	4.870
Midland Asphalt - Allegany	L0505	6.100	5.730	5.050
Midland Asphalt - Lyons	L0403	6.100	5.730	5.050
Midland Asphalt - Tonawanda	L0502	6.100	5.730	5.050

(continued)

ITEM 18403.221102R - TYPE A F1 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	NB	NB	NB
Gorman Bros. - Albany	L0103	7.070	6.770	5.870
Gorman Bros. - Amsterdam	L0203	6.270	6.020	5.620
Gorman Bros. - Clinton	L0201	6.270	6.020	5.620
Midland Asphalt - Allegany	L0505	NB	NB	NB
Midland Asphalt - Lyons	L0403	NB	NB	NB
Midland Asphalt - Tonawanda	L0502	NB	NB	NB

ITEM 18403.222102R - TYPE B F1 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	NB	NB	NB
Gorman Bros. - Albany	L0103	7.220	6.820	5.990
Gorman Bros. - Amsterdam	L0203	6.570	6.020	5.720
Gorman Bros. - Clinton	L0201	6.570	6.020	5.720
Midland Asphalt - Allegany	L0505	NB	NB	NB
Midland Asphalt - Lyons	L0403	NB	NB	NB
Midland Asphalt - Tonawanda	L0502	NB	NB	NB

ITEM 18403.223102R - TYPE C F1 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	NB	NB	NB
Gorman Bros. - Albany	L0103	7.320	6.820	6.120
Gorman Bros. - Amsterdam	L0203	6.620	6.120	5.770
Gorman Bros. - Clinton	L0201	6.620	6.120	5.770
Midland Asphalt - Allegany	L0505	NB	NB	NB
Midland Asphalt - Lyons	L0403	NB	NB	NB
Midland Asphalt - Tonawanda	L0502	NB	NB	NB

NB = No Bid

(continued)

ITEM 18403.221202R - TYPE A F2 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	6.350	5.850	5.500
Gorman Bros. - Albany	L0103	6.720	6.320	5.470
Gorman Bros. - Amsterdam	L0203	6.070	5.570	5.220
Gorman Bros. - Clinton	L0201	6.070	5.570	5.220
Midland Asphalt - Allegany	L0505	NB	NB	NB
Midland Asphalt - Lyons	L0403	NB	NB	NB
Midland Asphalt - Tonawanda	L0502	NB	NB	NB

ITEM 18403.222202R - TYPE B F2 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	6.400	5.900	5.550
Gorman Bros. - Albany	L0103	6.770	6.320	5.620
Gorman Bros. - Amsterdam	L0203	6.070	5.570	5.270
Gorman Bros. - Clinton	L0201	6.070	5.570	5.270
Midland Asphalt - Allegany	L0505	NB	NB	NB
Midland Asphalt - Lyons	L0403	NB	NB	NB
Midland Asphalt - Tonawanda	L0502	NB	NB	NB

ITEM 18403.223202R - TYPE C F2 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	6.450	5.950	5.600
Gorman Bros. - Albany	L0103	6.820	6.420	5.570
Gorman Bros. - Amsterdam	L0203	6.120	5.670	5.320
Gorman Bros. - Clinton	L0201	6.120	5.670	5.320
Midland Asphalt - Allegany	L0505	NB	NB	NB
Midland Asphalt - Lyons	L0403	NB	NB	NB
Midland Asphalt - Tonawanda	L0502	NB	NB	NB

NB = No Bid

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ITEM 18403.221302R - TYPE A F3 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	6.350	5.850	5.500
Gorman Bros. - Albany	L0103	6.720	6.320	5.470
Gorman Bros. - Amsterdam	L0203	6.070	5.570	5.220
Gorman Bros. - Clinton	L0201	6.070	5.570	5.220
Midland Asphalt - Allegany	L0505	NB	NB	NB
Midland Asphalt - Lyons	L0403	NB	NB	NB
Midland Asphalt - Tonawanda	L0502	NB	NB	NB

ITEM 18403.222302R - TYPE B F3 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	6.400	5.900	5.550
Gorman Bros. - Albany	L0103	6.620	6.320	5.570
Gorman Bros. - Amsterdam	L0203	6.120	5.570	5.270
Gorman Bros. - Clinton	L0201	6.120	5.570	5.270
Midland Asphalt - Allegany	L0505	NB	NB	NB
Midland Asphalt - Lyons	L0403	NB	NB	NB
Midland Asphalt - Tonawanda	L0502	NB	NB	NB

ITEM 18403.223302R - TYPE C F3 - SQUARE YARDS PLACED PER DAY

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	6.450	5.950	5.600
Gorman Bros. - Albany	L0103	6.770	6.420	5.570
Gorman Bros. - Amsterdam	L0203	6.120	5.670	5.340
Gorman Bros. - Clinton	L0201	6.120	5.670	5.340
Midland Asphalt - Allegany	L0505	NB	NB	NB
Midland Asphalt - Lyons	L0403	NB	NB	NB
Midland Asphalt - Tonawanda	L0502	NB	NB	NB

NB = No Bid

(continued)

ADDITIONAL PRICE PER SQUARE YARD FOR MOBILIZATION
FROM CONTRACTOR'S LOCATION TO PROJECT LOCATION
TOTAL PROJECT SIZE IN SQUARE YARDS OF PAVER PLACED SURFACE TREATMENT

Contractor	Plant	0-30 Mi 5,000- 15,000	0-30 Mi 15,001- 30,000	0-30 Mi Over 30,000
All States Asphalt- Sunderland (MA)	L0108	0.340	0.220	0.180
Gorman Bros. - Albany	L0103	0.310	0.200	0.180
Gorman Bros. - Amsterdam	L0203	0.310	0.200	0.180
Gorman Bros. - Clinton	L0201	0.310	0.200	0.180
Midland Asphalt - Allegany	L0505	0.315	0.206	0.180
Midland Asphalt - Lyons	L0403	0.315	0.206	0.180
Midland Asphalt - Tonawanda	L0502	0.315	0.206	0.180

Contractor		31-60 Mi 5,000- 15,000	31-60 Mi 15,001- 30,000	31-60 Mi Over 30,000
All States Asphalt- Sunderland (MA)	L0108	0.360	0.240	0.200
Gorman Bros. - Albany	L0103	0.340	0.250	0.210
Gorman Bros. - Amsterdam	L0203	0.340	0.250	0.210
Gorman Bros. - Clinton	L0201	0.340	0.250	0.210
Midland Asphalt - Allegany	L0505	0.368	0.247	0.206
Midland Asphalt - Lyons	L0403	0.368	0.247	0.206
Midland Asphalt - Tonawanda	L0502	0.368	0.247	0.206

(continued)

ADDITIONAL PRICE PER SQUARE YARD FOR MOBILIZATION
FROM CONTRACTOR'S LOCATION TO PROJECT LOCATION
TOTAL PROJECT SIZE IN SQUARE YARDS OF PAVER PLACED SURFACE TREATMENT

Contractor		61-90 Mi 5,000- 15,000	61-90 Mi 15,001- 30,000	61-90 Mi Over 30,000
All States Asphalt- Sunderland (MA)	L0108	0.380	0.250	0.220
Gorman Bros. - Albany	L0103	0.370	0.260	0.220
Gorman Bros. - Amsterdam	L0203	0.370	0.260	0.220
Gorman Bros. - Clinton	L0201	0.370	0.260	0.220
Midland Asphalt - Allegany	L0505	0.388	0.258	0.216
Midland Asphalt - Lyons	L0403	0.388	0.258	0.216
Midland Asphalt - Tonawanda	L0502	0.388	0.258	0.216

Contractor	Plant	91+ Mi 5,000- 15,000	91+ Mi 15,001- 30,000	91+ Mi Over 30,000
All States Asphalt- Sunderland (MA)	L0108	0.400	0.260	0.240
Gorman Bros. - Albany	L0103	0.410	0.260	0.240
Gorman Bros. - Amsterdam	L0203	0.410	0.260	0.240
Gorman Bros. - Clinton	L0201	0.410	0.260	0.240
Midland Asphalt - Allegany	L0505	0.422	0.263	0.237
Midland Asphalt - Lyons	L0403	0.422	0.263	0.237
Midland Asphalt - Tonawanda	L0502	0.422	0.263	0.237

(continued)

**ADDITIONAL PRICE PER SQUARE YARD
FOR OPTIONAL WORK ZONE TRAFFIC CONTROL**

AVERAGE PRODUCTION IN SQUARE YARDS PER DAY OF PAVER PLACED SURFACE TREATMENT

ONE-WAY ROADWAYS

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	0.470	0.380	0.320
Gorman Bros. - Albany	L0103	0.480	0.370	0.310
Gorman Bros. - Amsterdam	L0203	0.480	0.370	0.310
Gorman Bros. - Clinton	L0201	0.480	0.370	0.310
Midland Asphalt - Allegany	L0505	0.494	0.381	0.319
Midland Asphalt - Lyons	L0403	0.494	0.381	0.319
Midland Asphalt - Tonawanda	L0502	0.494	0.381	0.319

TWO-WAY ROADWAYS

Contractor	Plant	5,000- 15,000	15,001- 30,000	Over 30,000
All States Asphalt- Sunderland (MA)	L0108	0.490	0.400	0.340
Gorman Bros. - Albany	L0103	0.460	0.350	0.290
Gorman Bros. - Amsterdam	L0203	0.460	0.350	0.290
Gorman Bros. - Clinton	L0201	0.460	0.350	0.290
Midland Asphalt - Allegany	L0505	0.474	0.350	0.300
Midland Asphalt - Lyons	L0403	0.474	0.350	0.300
Midland Asphalt - Tonawanda	L0502	0.474	0.350	0.300

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ADDITIONAL PRICE FOR ADDITIONAL FLAGGERS PER DAY PER FLAGGER

Contractor	Plant	Additional Flaggers
All States Asphalt- Sunderland (MA)	L0108	655.000
Gorman Bros. - Albany	L0103	665.000
Gorman Bros. - Amsterdam	L0203	665.000
Gorman Bros. - Clinton	L0201	665.000
Midland Asphalt - Allegany	L0505	650.000
Midland Asphalt - Lyons	L0403	650.000
Midland Asphalt - Tonawanda	L0502	650.000

ADDITIONAL PRICE FOR PILOT VEHICLE PER DAY PER VEHICLE WITH DRIVER

Contractor	Plant	Pilot Vehicle w/Driver
All States Asphalt- Sunderland (MA)	L0108	700.000
Gorman Bros. - Albany	L0103	725.000
Gorman Bros. - Amsterdam	L0203	725.000
Gorman Bros. - Clinton	L0201	725.000
Midland Asphalt - Allegany	L0505	680.000
Midland Asphalt - Lyons	L0403	680.000
Midland Asphalt - Tonawanda	L0502	680.000

ADDITIONAL PRICE FOR OPTIONAL ADDITIONAL CONSTRUCTION SIGNS PER SQUARE FOOT

Contractor	Plant	Additional Construction Signs
All States Asphalt- Sunderland (MA)	L0108	19.000
Gorman Bros. - Albany	L0103	19.000
Gorman Bros. - Amsterdam	L0203	19.000
Gorman Bros. - Clinton	L0201	19.000
Midland Asphalt - Allegany	L0505	19.830
Midland Asphalt - Lyons	L0403	19.830
Midland Asphalt - Tonawanda	L0502	19.830

(continued)

ADDITIONAL PRICE FOR WORK ON WEEKENDS

Contractor	Plant	Saturday	Sunday
All States Asphalt- Sunderland (MA)	L0108	3,700.000	7,250.000
Gorman Bros. - Albany	L0103	3,800.000	7,450.000
Gorman Bros. - Amsterdam	L0203	3,800.000	7,450.000
Gorman Bros. - Clinton	L0201	3,800.000	7,450.000
Midland Asphalt - Allegany	L0505	3,850.000	7,650.000
Midland Asphalt - Lyons	L0403	3,850.000	7,650.000
Midland Asphalt - Tonawanda	L0502	3,850.000	7,650.000

**ADDITIONAL PRICE PER LINEAR FOOT FOR ABRADING OF EXISTING PAVEMENT
MARKINGS BY THE VENDOR WITH WORK ZONE TRAFFIC CONTROL
BY OWNER AGENCY OR VENDOR**

Contractor	Plant	By Owner Agency	By Vendor
All States Asphalt- Sunderland (MA)	L0108	0.620	0.750
Gorman Bros. - Albany	L0103	0.580	0.770
Gorman Bros. - Amsterdam	L0203	0.580	0.770
Gorman Bros. - Clinton	L0201	0.580	0.770
Midland Asphalt - Allegany	L0505	0.592	0.793
Midland Asphalt - Lyons	L0403	0.592	0.793
Midland Asphalt - Tonawanda	L0502	0.592	0.793

**ADDITIONAL PRICE PER LINEAR FOOT FOR OPTIONAL PAVER PLACED SURFACE TREATMENT
OVERLAY SPLICES WITH WORK ZONE TRAFFIC CONTROL
BY OWNER AGENCY OR VENDOR**

Contractor	Plant	By Owner Agency	By Vendor
All States Asphalt- Sunderland (MA)	L0108	13.000	16.500
Gorman Bros. - Albany	L0103	13.000	16.750
Gorman Bros. – Amsterdam-	L0203	13.000	16.750
Gorman Bros. - Clinton	L0201	13.000	16.750
Midland Asphalt - Allegany	L0505	13.220	17.170
Midland Asphalt - Lyons	L0403	13.220	17.170
Midland Asphalt - Tonawanda	L0502	13.220	17.170

(continued)

CANCELLATION FOR CONVENIENCE

The State of New York retains the right to cancel this contract, in whole or in part without reason provided that the Contractor is given at least sixty (60) days notice of its intent to cancel. This provision should not be understood as waiving the State's right to terminate the contract for cause or stop work immediately for unsatisfactory work, but is supplementary to that provision. Any such cancellation shall have no effect on existing Agency agreements, which are subject to the same 60 day discretionary cancellation or cancellation for cause by the respective user Agencies.

METHOD OF ORDERING:

Orders for the purchase of material will be placed with the contractor whose source of supply offers the lowest ultimate cost (including hauling costs) to the State at the destination.

DELIVERY:

Purchase Order Instructions - Delivery shall be made in accordance with instructions on Purchase Order from each agency. If there is a discrepancy between the purchase order and what is listed on the contract, it is the contractor's obligation to seek clarification from the ordering agency and, if applicable, from the Office of General Services, Procurement Services Group.

Delivery Ticket - A delivery ticket shall be provided with each load of bituminous material stating the following:

1. Storage facility identification
2. Ticket Number
3. Date/time
4. Item Number and Type
5. Quantity ticket printed by machine
6. Quantity in 60° F gallons for emulsions.

Default (Failure to Furnish Material) - Clause 45 of the General Specifications is modified as follows: Failure to furnish material within ten days after receiving order or as agreed upon with authorized representative or violation of shipping instructions, shall be cause for and entitle the State (1) to damages which in its judgment have resulted, or (2) to purchase in the open market at the expense of the contractor. At the discretion of the State, one or both of these courses of action may be followed.

Quantity Received - It is the responsibility of the agency to ascertain quantities shipped are accurate to the delivery ticket. Each vehicle should be checked for product upon arrival and prior to departure.

NON-STATE AGENCIES PARTICIPATION IN CENTRALIZED CONTRACTS:

New York State political subdivisions and others authorized by New York State law may participate in contracts. These include, but are not limited to local governments, public authorities, public school and fire districts, public and nonprofit libraries, and certain other nonpublic/nonprofit organizations. See "Participation in Centralized Contracts" in Appendix B, OGS General Specifications. For purchase orders issued by the Port Authority of New York and New Jersey (or any other authorized entity that may have delivery locations adjacent to New York State), the terms of the "Price" clause shall be modified to include delivery to locations adjacent to New York State.

Upon request, all eligible non-State agencies must furnish contractors with the proper tax exemption certificates and documentation certifying eligibility to use State contracts. A list of categories of eligible entities is available on the OGS web site (<http://www.ogs.state.ny.us/purchase/snt/othersuse.asp>). Questions regarding an organization's eligibility to purchase from New York State Contracts may also be directed to OGS Procurement Services Group's Customer Services at 518-474-6717.

NEW YORK STATE VENDOR RESPONSIBILITY QUESTIONNAIRE FOR-PROFIT BUSINESS ENTITY:

Contractor is encouraged to maintain up-to-date Questionnaire during the life of the contract and is also required to ensure this Questionnaire reflects any substantive issues that may have occurred from the time the Contract was initially awarded.

(continued)

EXTENSION OF USE:

Any contract resulting from the original bid solicitation may be extended to additional States or governmental jurisdictions upon mutual written agreement between New York State (the lead contracting State) and the contractor. Political subdivisions and other authorized entities within each participating State or governmental jurisdiction may also participate in any resultant contract if such State normally allows participation by such entities. New York State reserves the right to negotiate additional discounts based on any increased volume generated by such extensions.

CONTRACT PERIOD AND RENEWALS:

It is the intention of the State to enter into a contract for the term as stated herein.
If mutually agreed between the Procurement Services Group and the contractor, the contract may be renewed under the same terms and conditions for additional period(s) not to exceed a total contract term of five (5) years.

SHORT TERM EXTENSION:

In the event the replacement contract has not been issued, any contract let and awarded hereunder by the State may be extended unilaterally by the State for an additional period of up to one month upon notice to the contractor with the same terms and conditions as the original contract including, but not limited to, quantities (prorated for such one month extension), prices, and delivery requirements. With the concurrence of the contractor, the extension may be for a period of up to three months in lieu of one month. However, this extension terminates should the replacement contract be issued in the interim.

CONTRACT MIGRATION:

State Agencies or any other authorized user holding individual contracts with contractors under this centralized contract shall be able to migrate to this contract award with the same contractor, effective on the contract begin date (retroactively, if applicable). Migration by an agency or any other authorized user to the centralized contract shall not operate to diminish, alter or extinguish any right that the agency or other authorized user otherwise had under the terms and conditions of their original contract.

EMERGENCY PURCHASING:

In the event that a disaster emergency is declared by Executive Order under Section 28 of Article 2-B of the Executive Law, or that the Commissioner determines pursuant to his/her authority under Section 163(10)(b) of the State Finance Law that an emergency exists requiring the prompt and immediate delivery of products or services, the Commissioner reserves the right to obtain such products or services from any source, including but not limited to this contract, as the Commissioner in his/her sole discretion determines will meet the needs of such emergency. Contractor shall not be entitled to any claim or lost profits for products or services procured from other sources pursuant to this paragraph.

(continued)

PREVAILING WAGE RATES - PUBLIC WORKS AND BUILDING SERVICES CONTRACTS:

Work being bid is subject to the prevailing wage rate provisions of New York State Labor Law. See "Prevailing Wage Rates - Public Works and Building Services Contracts" in Appendix B, OGS General Specifications. Any federal or State determination of a violation of any public works law or regulation, or labor law or regulation, or any OSHA violation deemed "serious or willful" may be grounds for a determination of vendor non-responsibility.

For access to the Department of Labor (DOL) Prevailing Wage Schedule for this bid, use the following link:

<http://wpp.labor.state.ny.us/wpp/showFindProject.do?method=showIt>

Enter **PRC# 2010009196**, the applicable Prevailing Wage Rate Schedule for this bid and subsequently awarded contracts, and press the "Enter" key or click on "Submit". Next, click on "Original Wage Schedule" beneath the header. This schedule may require several minutes to open.

For Prevailing Wage Updates, use the following DOL link:

<http://wpp.labor.state.ny.us/wpp/publicViewPWChanges.do?method=showIt>

Links to schedule updates appear in the table at the bottom of the web page.

IMPORTANT NOTE: The above PRC number MUST be noted on all purchase orders issued for purchases from this contract.

WORKER NOTIFICATION – A9052; S6240

This provision is an addition to the existing prevailing wage rate law, Labor Law §220, paragraph a of subdivision 3-a. It requires contractors and subcontractors to provide written notice to all laborers, workers or mechanics of the prevailing wage rate for their particular job classification on each pay stub*. It also requires contractors and subcontractors to post a notice at the beginning of the performance of every public work contract on each job site that includes the telephone number and address for the Department of Labor and a statement informing laborers, workers or mechanics of their right to contact the Department of Labor if he/she is not receiving the proper prevailing rate of wages and/or supplements for his/her particular job classification. The required notification will be provided with each wage schedule, may be downloaded from www.labor.state.ny.us or made available upon request by contacting the Bureau of Public Work at 518-457-5589.

* In the event that the required information will not fit on the pay stub, an accompanying sheet or attachment of the information will suffice.

OSHA 10-Hour Construction Safety and Health Course - S1537-A

This provision is an addition to the existing prevailing wage rate law, Labor Law §220, section 220-h. It requires that on all public work contracts of at least \$250,000, all laborers, workers, and mechanics working on site be certified as having successfully completed the OSHA 10-hour construction safety and health course. It further requires that the advertised bids and contracts for every public work contract of at least \$250,000 contain a provision of the requirement AND only applies to workers on a public work project that are required under Article 8 to receive the prevailing wage.

Further information may be found at:

www.labor.state.ny.us/workerprotection/publicwork/PWContents.shtm .

(continued)

CONTRACTOR INSURANCE:

The Contractor shall provide to The New York State Office of General Services (“OGS”) written proof of insurance coverage and additional insured documentation as specified herein. "Written proof" consists of certificates of insurance and/or endorsements to policies issued by an officer of an insurance company licensed or authorized to do business in New York, government self-retention funds or other self-insurance companies evidencing that the Contractor has the requisite insurance coverages. All non-standard exclusions or limitations applicable to the contract must be disclosed on the Certificate of Insurance and must be approved by The New York State Office of General Services (“OGS”). Policies providing commercial general liability, excess or umbrella liability and pollution legal liability insurance shall be specifically endorsed to name the People of the State of New York, its officers, agents, and employees as additional insureds thereunder. Such written proof shall be in the form and substance acceptable to The New York State Office of General Services (“OGS”). Acceptance and/or approval by The New York State Office of General Services (“OGS”) of the written proof of insurance does not and shall not be construed to relieve Contractor of any obligations, responsibilities or liabilities under the Contract to obtain the required coverage.

Contractor shall secure and continue to keep in force during the term of the contract, and Contractor shall require all Subcontractors prior to commencement of an agreement between Contractor and the Subcontractor, to secure and keep in force during the term of this contract the following insurance coverage:

- a) **Commercial General Liability Insurance** with minimum liability limits of not less than \$5,000,000.00 each occurrence after notice of award. Such liability shall be written on the ISO occurrence form CG 00 01© (current edition) or a substitute form providing equivalent coverages and shall cover liability arising from premises or operations, independent contractors, broad form property damage, personal & advertising injury, cross liability coverage, contractual damages, and products or completed operations, if applicable (including the tort liability of another assumed in a contract), and explosion, collapse & underground coverage. If such insurance contains an aggregate limit, it shall apply separately on a per job basis. General Liability Additional Insured Endorsement shall be on Insurance Service Office’s (ISO) form number **CG 2010 1185**.
- b) **Comprehensive Business Automobile Liability Insurance** with minimum liability limits of not less than \$2,000,000.00 each accident after notice of award. Such insurance shall cover liability arising out of any automobile including Owned (if any), Hired and Non-Owned automobiles.
- c) **Workers’ Compensation, Employer’s Liability, and Disability Benefits** meeting all New York State statutory requirements. The policy shall provide coverage for all states of operation that apply to the performance of the contract. In addition, if employees will be working on, near or over navigable waters, coverage provided under the US Longshore and Harbor Workers Compensation Act must be included. Also, if the contract is for temporary staffing services or involves renting equipment with operators, the Alternate Employer Endorsement WC 00 03 01A must be included on the policy naming the People of the State of New York as the alternate employer.
- d) **OCP Insurance*** - Owners and Contractors Protective Insurance Coverage (OCP) is required by the New York Department of Transportation (NYSDOT) on any NYSDOT project on or near active highway right of way.
The OCP insurance required shall be \$1,000,000 per occurrence and \$2,000,000 in the aggregate.
* Contractor shall provide written proof of such coverage to the Authorized User prior to commencement of work at the Pre-paving/Pre-production conference

(continued)

CONTRACTOR INSURANCE: (Cont'd)

All insurance coverage must meet the following additional requirements:

- 1) All insurance required shall be obtained at the sole cost and expense of the Contractor, and shall be primary and non-contributing to any insurance, self-retention or self-insurance maintained by the Authorized User.
- 2) Any deductible or self-insured retention amount or other similar obligation under the policies shall be the sole responsibility of the Contractor. The amount of any deductible or self-insured retention is subject to approval by the New York State Office of General Services (“OGS”).
- 3) The requisite insurance may be provided through a policy or policies of insurance which may be primary and/or excess including umbrella policies, but must be placed with an Insurer rated “A-“ Class “VII” or better by the A.M. Best Company, Inc. If, during the term of the policy, an Insurer’s rating falls below “A-” Class “VII”, the insurance must be replaced no later than the renewal date of the policy with an Insurer rated at least “A-” Class “VII” by the A.M. Best Company, Inc. Any excess policy must follow the requirements set forth in the New York State Insurance Law for such coverage.
- 4) Contractors shall provide The New York State Office of General Services (“OGS”) with updated Certificates of Insurance and as applicable amendatory endorsements at least thirty (30) days prior to the expiration or renewal date of a policy.
- 5) The insurance provided shall include an endorsement indicating that the policy and any endorsements may not be cancelled without thirty (30) days prior written notice to The New York State Office of General Services (“OGS”). In the event that the cancellation is due to non-payment of premium, ten (10) days prior written notice shall be provided.
- 6) The insurance provided shall include a blanket or specific “Waiver of Subrogation” endorsement waiving any right to recovery the insurance company may have against the State.
- 7) In the block provided in the Certificate of Insurance for insertion of “Description of Operations/Locations/Vehicles/Exclusions Added by Endorsement/Special Provisions” the additional insured information and job-specific information such as the nature of the contract and either the solicitation number or the contract award number should be referenced.
- 8) Additional insured endorsements should specify the following:
 - The full legal name of the additional insured; i.e., the State of New York, its agencies, officers and employees;
 - The specific location or operations for which the coverage applies;
 - Coverage will run until the completion of the last project on this contract;
 - That notice of modification or cancellation will be provided to the additional insured at a specified name and address;
 - That the insurance company waives any right of recovery it may have against the State;
 - That the coverage required shall be primary for the State and shall not be affected by any self-insurance or other insurance or coverage obtained by the State on its own behalf;
 - That cross-liability/severability of interest coverage is provided; and
 - That the legal defense provided to the State under the policy must be free of any conflicts of interest even if retention of separate legal counsel for the State is necessary.
- 9) The insolvency or bankruptcy of the insured Contractor or Subcontractor shall not release the Insurer from payment under the policy even when such insolvency or bankruptcy prevents the insured Contractor or Subcontractor from meeting the retention limits under the policy.

Failure to provide insurance coverage as required herein and to keep the same in force during the term of the contract is a material breach of contract entitling the State to terminate the contract in accordance with the termination provisions in the contract.

(continued)

REPORT OF CONTRACT PURCHASES:

Contractor shall furnish quarterly reports containing total sales for both state agency and authorized non-state agency contract purchases no later than forty-five (45) days after the close of each calendar quarter.

A separate report shall be provided in the following format for each authorized distribution channel. The sales report form is forwarded to each contractor at time of award for completion in accordance with the contract terms and conditions:

Item/ Number	Purchasing Agency	Location	Total Sales \$
			\$
Grand Total Sales:			\$

The report is to be submitted electronically in Microsoft Excel 2007 or lower format to the Office of General Services, Procurement Services Group, Tower Bldg., Empire State Plaza, Albany, NY 12242, to the attention of the individual shown on the front page of the Contract Award Notification and shall reference the Group Number, the Award Number, Contract Number, sales period, and contractor's (or other authorized agent) name.

The outlined sales report is the minimum information required. Additional related sales information, such as monthly reports, and/or detailed user purchases may be required and must be supplied upon request.

"OGS OR LESS" GUIDELINES APPLY TO THIS CONTRACT:

Purchases of the products included in this Contract Award Notification are subject to the "OGS or Less" provisions of Section 163.3.a.v., Article XI, of the New York State Finance Law. This means that State agencies can purchase products from sources other than the contractor provided that such products are substantially similar in form, function or utility to the products herein and are:

1. lower in price
-and/or-
2. available under terms which are more economically efficient to the State agency (e.g. delivery terms, warranty terms, etc.).

Agencies are reminded that they must provide the State contractor an opportunity to match the non-contract savings at least two business days prior to purchase. In addition, purchases made under "OGS or Less" flexibility must meet all requirements of law including, but not limited to, advertising in the New York State Contract Reporter, prior approval of the Comptroller's Office and competitive bidding of requirements exceeding the discretionary bid limit. State agencies should refer to Procurement Council Guidelines section "OGS or Less Purchases" for complete procedural and reporting requirements. The Procurement Council Guidelines are available at <http://www.ogs.state.ny.us/procurecounc/pdfdoc/guidelines.pdf>.

Non-contract vendors furnishing materials under "OGS or Less" shall meet the same qualifications as those required of contract vendors. In addition, non-contract vendors are subject to all other requirements and conditions appearing in this Contract Award Notification including Group Specification, Appendix A, Appendix B and any and all applicable Purchasing Memoranda.

Price shall include ALL required insurance coverage costs (see "CONTRACTOR INSURANCE" clauses).

PSG's DISPUTE RESOLUTION POLICY:

It is the policy of the Office of General Services' Procurement Services Group (PSG) to provide vendors with an opportunity to administratively resolve disputes, complaints or inquiries related to PSG bid solicitations or contract awards. PSG encourages vendors to seek resolution of disputes through consultation with PSG staff. All such matters will be accorded impartial and timely consideration. Interested parties may also file formal written disputes. A copy of PSG's Dispute Resolution Procedures for Vendors may be obtained by contacting the person shown on the front of this document or through the OGS website (www.ogs.state.ny.us).

(continued)

DIESEL EMISSION REDUCTION ACT OF 2006 (NEW REQUIREMENT OF LAW):

On February 12, 2007 the Diesel Emissions Reduction Act took effect as law (the “Law”). Pursuant to new §19-0323 of the N.Y. Environmental Conservation Law (“NYECL”) it is now a requirement that heavy duty diesel vehicles in excess of 8,500 pounds use the best available retrofit technology (“BART”) and ultra low sulfur diesel fuel (“ULSD”). The requirement of the Law applies to all vehicles owned, operated by or on behalf of, or leased by State agencies and State or regional public authorities. They need to be operated exclusively on ULSD by February 12, 2007. It also requires that such vehicles owned, operated by or on behalf of, or leased by State agencies and State or regional public authorities with more than half of its governing body appointed by the Governor utilize BART.

As a contract vendor the Law may be applicable to vehicles used by contract vendors “on behalf of” State agencies and public authorities. Thirty-three percent (33%) of affected vehicles must have BART by December 31, 2008, sixty-six percent (66%) by December 31, 2009 and one-hundred percent (100%) by December 31, 2010. The Law provides a list of exempted vehicles. Regulations currently being drafted will provide further guidance as to the effects of the Law on contract vendors using heavy duty diesel vehicles on behalf of the State. The Law also permits waivers of ULSD and BART under limited circumstances at the discretion of the Commissioner of Environmental Conservation. The Law will also require reporting from State agencies and from contract vendors in affected contracts.

Therefore, the bidder hereby certifies and warrants that all heavy duty vehicles, as defined in NYECL §19-0323, to be used under this contract, will comply with the specifications and provisions of NYECL §19-0323, and any regulations promulgated pursuant thereto, which requires the use of BART and ULSD, unless specifically waived by NYSDEC. Qualification and application for a waiver under this Law will be the responsibility of the bidder.

MATERIALS:

Materials offered must be from a NYS Dept. of Transportation approved location.

ESTIMATED QUANTITIES:

Each contract shall be for the quantities or dollar values actually ordered during the contract period. The individual value of each contract is indeterminate and will depend upon the number of contracts issued and the competitiveness of the pricing offered. Agencies will be encouraged to purchase from contractors who offer the supplies, services, and pricing that best meet their needs in the most practical and economical manner. See "Estimated/Specific Quantity Contracts" and "Participation in Centralized Contracts" in Appendix B, OGS General Specifications.

MINIMUM QUANTITIES:

The minimum project size for conventional and rubber modified paver placed surface treatment under this contract shall be 5,000 square yards. This is approximately 0.4 miles of two lane highway at 20 feet wide. A quantity/price change per day occurs at 15,000 square yards, which is approximately 1.3 miles of a 2 lane highway at 20 feet wide. A second quantity/price change per day occurs at 30,000 square yards, which is approximately 2.6 miles of a 2 lane highway at 20 feet wide.

PRE-CONVENTIONAL OR RUBBER MODIFIED PAVER PLACED SURFACE TREATMENT CONFERENCE:

The contractor shall schedule a pre-conventional or rubber modified paver placed surface treatment conference with the State or political subdivision at least two weeks prior to the start of work under this contract. Project level supervisors for both the owner agency and the vendor will be present at this conference. At this conference the contractor shall present Certificates of Insurance evidencing compliance with the additional insurance requirements, their proposed schedule, mix design, numbers and type of equipment, and Work Zone Traffic Control (if applicable) to the State or political subdivision for approval. The mix design must clearly show all the target gradations and asphalt content used in the mix design and shall be representative of the materials proposed by the contractor to be used on the project. Adjustments may be required during construction based on field conditions and with the approval of the State or political subdivision.

The contractor shall also furnish the State or political subdivision copies of the self-priming paver approval at this time. The contractor shall indicate the aggregate source and the hot mix asphalt concrete source, at this conference. At least one week prior to the start of work under this contract, the contractor shall coordinate the details of the conventional or rubber modified paver placed surface treatment with the owner’s representative.

(continued)

CONTRACT PAYMENTS:

Payments cannot be processed by State facilities until the contract products have been delivered in satisfactory condition or services have been satisfactorily performed. Payment will be based on any invoice used in the supplier's normal course of business. However, such invoice must contain sufficient data including but not limited to contract number, description of product or service, quantity, unit and price per unit as well as federal identification number.

State facilities are required to forward properly completed vouchers to the Office of the State Comptroller for audit and payment. All facilities are urged to process every completed voucher expeditiously giving particular attention to those involving cash discounts for prompt payment.

If the contract terms indicate political subdivisions and others authorized by law are allowed to participate, those entities are required to make payments directly to the contractor. Prior to processing such payment, the contractor may be required to complete the ordering non-State agency's own voucher form.

See "Contract Billings" in Appendix B, OGS General Specifications.

REQUEST FOR CHANGE:

Any request by the agency or contractor regarding changes in any part of the contract must be made in writing to the Office of General Services, Procurement Services Group, prior to effectuation.

NOTE TO CONTRACTOR:

This Contract Award Notification is not an order. Do not take any action under this contract except on the basis of purchase order(s) from the agency or agencies.

CONTRACT BILLINGS AND PAYMENTS:

a. Billings. Contractor and the dealers/distributors/resellers designated by the Contractor, if any, shall provide complete and accurate billing invoices to each Authorized User in order to receive payment. Billing invoices submitted to an Authorized User must contain all information required by the Contract and the State Comptroller or other appropriate fiscal officer. Submission of an invoice and payment thereof shall not preclude the Commissioner from requesting reimbursement or demanding a price adjustment in any case where the Product delivered is found to deviate from the terms and conditions of the Contract or where the billing was inaccurate.

Contractor shall provide, upon request of the Commissioner, any and all information necessary to verify the accuracy of the billings. Such information shall be provided in the format requested by the Commissioner and in a media commercially available from the Contractor. The Commissioner may direct the Contractor to provide the information to the State Comptroller or to any Authorized User of the Contract.

b. Payment of Contract purchases made by an Authorized User when the State Comptroller is responsible for issuing such payment. The Authorized User and Contractor agree that payments for invoices submitted by the Contractor shall only be rendered electronically unless payment by paper check is expressly authorized by the Commissioner, in the Commissioner's sole discretion, due to extenuating circumstances. Such electronic payments shall be made in accordance with ordinary State procedures and practices. The Contractor shall comply with the State Comptroller's procedures to authorize electronic payments. Authorization forms are available at the State Comptroller website at www.osc.state.ny.us, by e-mail at epunit@osc.state.ny.us, or by telephone at 518-486-1255. Contractor acknowledges that it will not receive payment on any invoices submitted under this Contract that are payable by the State Comptroller if it does not comply with the State Comptroller's electronic payment procedures, except where the Commissioner has expressly authorized payment by paper check as set forth above.

c. Payment of Contract purchases made by an Authorized User when the State Comptroller is not responsible for issuing such payment. The Authorized User and Contractor agree that payments for such Contract purchases shall be billed directly by Contractor on invoices/vouchers, together with complete and accurate supporting documentation as required by the Authorized User. Such payments shall be as mandated by the appropriate governing law from the receipt of a proper invoice. Such Authorized User and Contractor are strongly encouraged to establish electronic payments.

(continued)

PAYMENT:

Payment for conventional and rubber modified paver placed surface treatment in place shall be made at the contract price per unit for the actual number of square yards of conventional or rubber modified paver placed surface treatment in place verified by the State or receiving political subdivision and used in the accepted portion of the work. The determination as to quantities involved in this contract shall be accepted as final and binding upon the contractor.

A delivery slip stating quantities of hot mix asphalt concrete for conventional or rubber modified paver placed surface treatment shall accompany each shipment. An invoice listing the quantities of conventional or rubber modified paver placed surface treatment in place shall be sent promptly by the contractor to the State's resident engineer or to the political subdivision's representative placing the order.

Payment for optional work zone traffic control (if required) will be made based on the average daily production in square yards per day of completed conventional or rubber modified paver placed surface treatment.

Payment for additional flaggers (if required) will be made based on the number of days (computed to the nearest quarter day) that additional flaggers are utilized as directed by the engineer or agency authorized individual.

Payment for optional pilot vehicles with drivers will be made based on the number of days (computed to the nearest quarter day) that optional pilot vehicles with drivers are utilized as directed by the engineer or agency authorized individual.

Payment for optional additional construction signs will be made on the number of square feet (computed to the nearest tenth of a square foot) of additional construction signs that are utilized as directed by the engineer or agency authorized individual.

Payment for work on Saturday and/or Sunday will be based on the actual number of days worked at the direction of the resident engineer or agency authorized individual.

Payment for abrading the existing pavement markings by the vendor, with work zone traffic control by the owner (if required) will be made based on the number of linear feet at 4 inches wide of pavement markings actually abraded as directed by the engineer or agency authorized individual.

Payment for abrading the existing pavement markings by the vendor, with work zone traffic control by the vendor (if required), will be made based on the number of linear feet at 4 inches wide of pavement markings actually abraded as directed by the engineer or agency authorized individual. No separate payment will be made for work zone traffic control when this item is used.

Payment for overlay splices with work zone traffic control by the owner (if required) will be made based on the number of linear feet of overlay splices at 3 feet wide actually constructed by the vendor as directed by the engineer or agency authorized individual.

Payment for overlay splices with work zone traffic control by the vendor (if required) will be made based on the number of linear feet of overlay splices at 3 feet wide actually constructed by the vendor as directed by the engineer or agency authorized individual. No separate payment will be made for maintenance and protection of traffic when this item is used.

The price per unit arrived at (mutually estimated) by the vendor and the using agency on the Price Calculation Worksheet or the price per unit resultant from the average daily production, whichever is less, shall be the price per unit paid to the vendor. No additional payment shall be due to the vendor for production rates that are not equal to the rate upon which the calculation work sheet price was based.

(continued)

WORK HOURS:

Work will not be permitted on Sundays and Holidays unless requested by NYSDOT. If the Contractor desires to work overtime on other days, dispensation from the NYS Labor Department must be obtained.

SATURDAY AND SUNDAY WORK:

When requested to work on Saturday and/or Sunday by the resident engineer or agency authorized individual, the contractor shall be paid the price for Saturday and/or Sunday work, as appropriate. The price per day shall include the cost of all premium labor charges. The contractor shall only be due the extra payment when work on Saturday and/or Sunday is in the best interest of the State or the using agency. Work done by the contractor on Saturday and/or Sunday for their own convenience or to make up for rainouts shall not be due the extra payment for Saturday and/or Sunday work.

CONSTRUCTION DETAILS:

The construction details shall comply with the requirements specified in the enclosed DETAILED SPECIFICATIONS.

DAMAGED OR DEFICIENT AREAS:

Prior to acceptance and payment for work under this contract by the State or political subdivision, any conventional or rubber modified paver placed surface treatment that ravels, delaminates, fails to properly cure, or is in any way defective shall be redone to the satisfaction of the State's or political subdivision's representative at the contractor's expense.

OPTIONAL OVERLAY SPLICES WITH WORK ZONE TRAFFIC CONTROL BY THE OWNER:

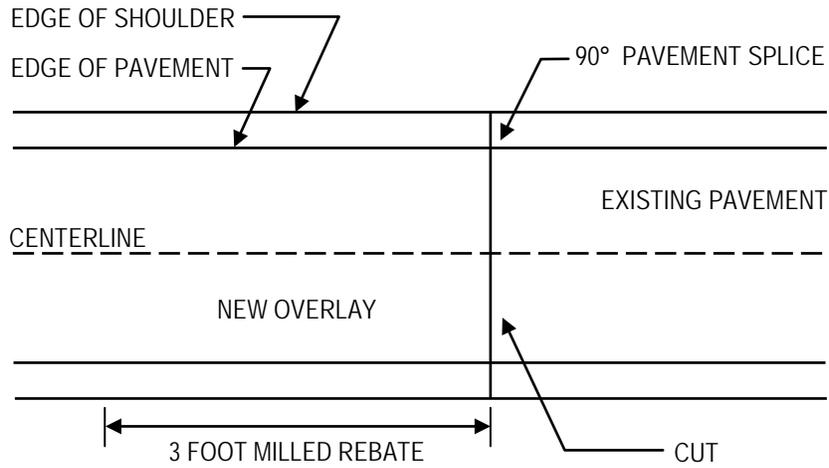
If required by the Engineer or agency authorized individual, the vendor shall construct overlay splices (commonly known as rebates) as per the detail Overlay Splices. The price shall include all costs to properly construct the overlay splice including the costs for cutting the existing pavement, milling overlay splices, and cleaning the pavement in the splice area. Payment shall be by the linear foot of overlay splice at 3 feet wide. Work zone traffic control shall be the responsibility of the owner.

OPTIONAL OVERLAY SPLICES WITH WORK ZONE TRAFFIC CONTROL BY THE VENDOR:

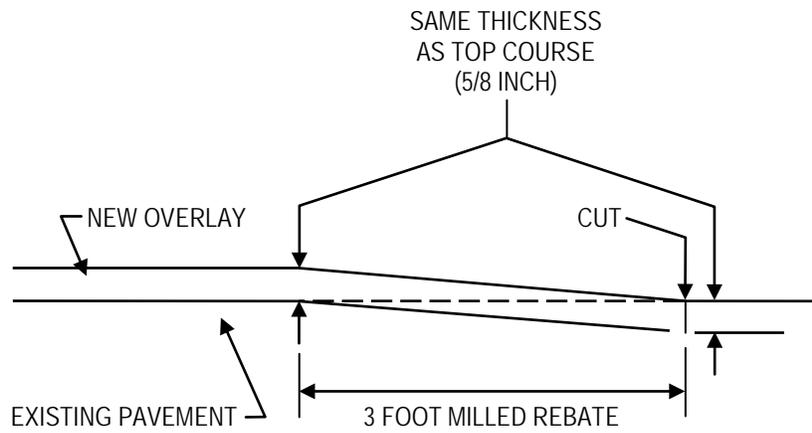
If required by the Engineer or agency authorized individual, the vendor shall construct overlay splices (commonly known as rebates) as per the detail Overlay Splices. The price shall include all costs to properly construct the overlay splice including the costs for cutting the existing pavement, milling overlay splices, cleaning the pavement in the splice area, and maintaining and protecting traffic. Payment shall be by the linear foot of overlay splice at 3 feet wide. Work zone traffic control shall be the responsibility of the vendor.

(continued)

OPTIONAL OVERLAY SPLICE:



PLAN



SECTION

(continued)

OPTIONAL WORK ZONE TRAFFIC CONTROL:

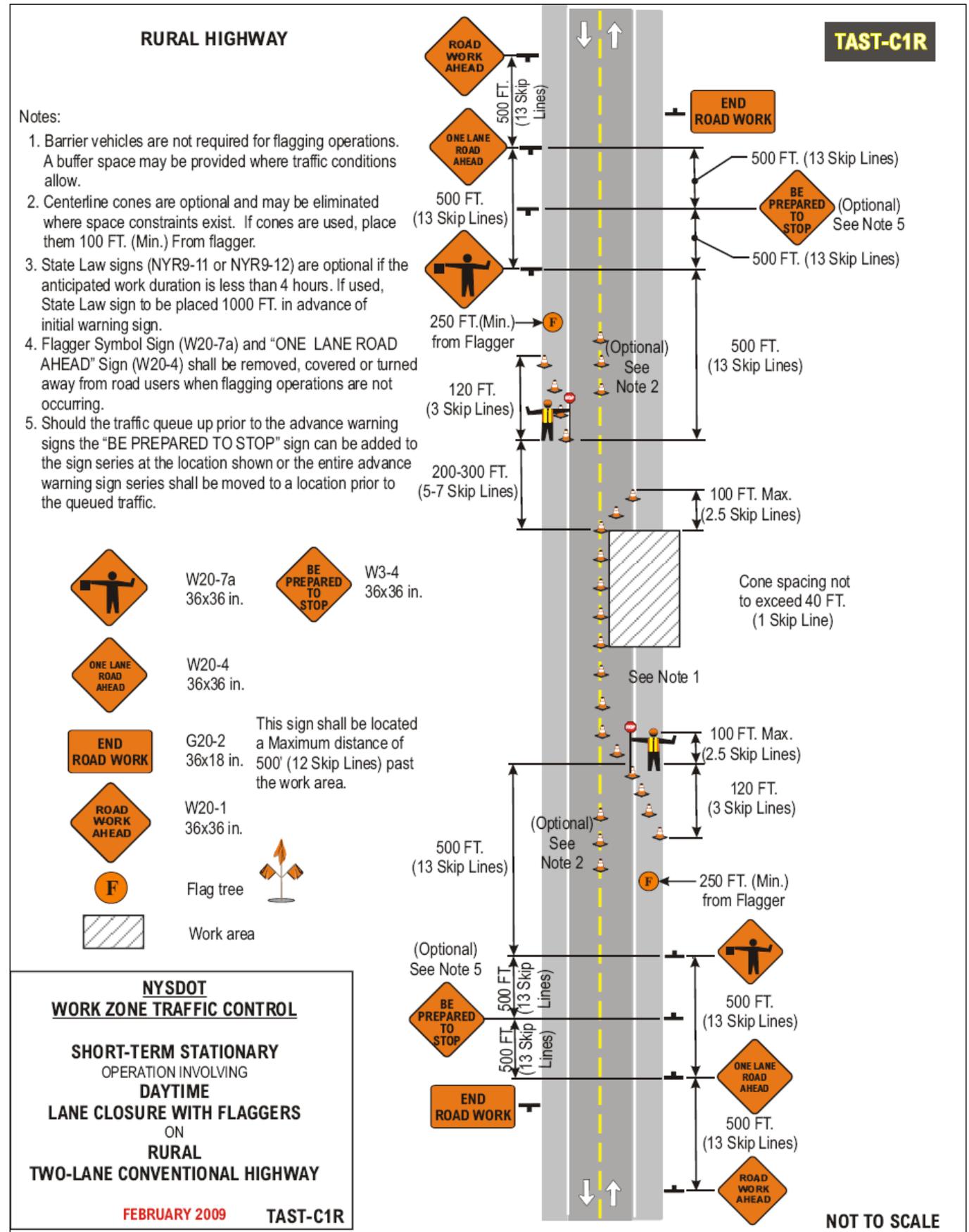
The contractor shall submit a per square yard price for work zone traffic control as prescribed by this specification. When requesting price quotes from the contractors, the purchasing agency may, at their option, include work zone traffic control by the contractor for the specific project anticipated.

If optional work zone traffic control is included in the project request, the contractor shall be responsible for work zone traffic control. Traffic shall be controlled in accordance with Sections 619-1 through 619-3 of the Standard Specifications, the Manual of Uniform Traffic Control Devices (MUTCD) and as described herein. The contractor shall submit a Work Zone Traffic Control Plan for approval to the resident engineer or agency authorized individual at the Pre-Conventional or Rubber Modified Paver Placed Surface Treatment Conference. For two-way roadways, Figures TAST-C1R, TASTC2R, TAST-C3R, TAST-C4R, TAST-C5R, TAST-C7R, TAST-C1UL, TAST-C2UL, TAST-C3UL, TAST-C4U, TAST-C7UL, TAST-C1UH, TAST-C2UH, TAST-C3UH, and TAST-C7UH included in this Contract Award Notification may be used as a basis for development of a Work Zone Traffic Control Plan. For one-way roadways, Figures TAST-C5UL, TASTC6UL, TAST-C8UL, TAST-C5UH, TAST-C6UH, and TAST-C8UH may be used as a basis for development of a Work Zone Traffic Control Plan. For one-way Freeways or Expressways, Figures TAST-E1, TAST-E2, TAST-E3, TAST-E4, TAST-E5, TAST-E6, and TAST-E7 may be used as a basis for development of a Work Zone Traffic Control Plan.

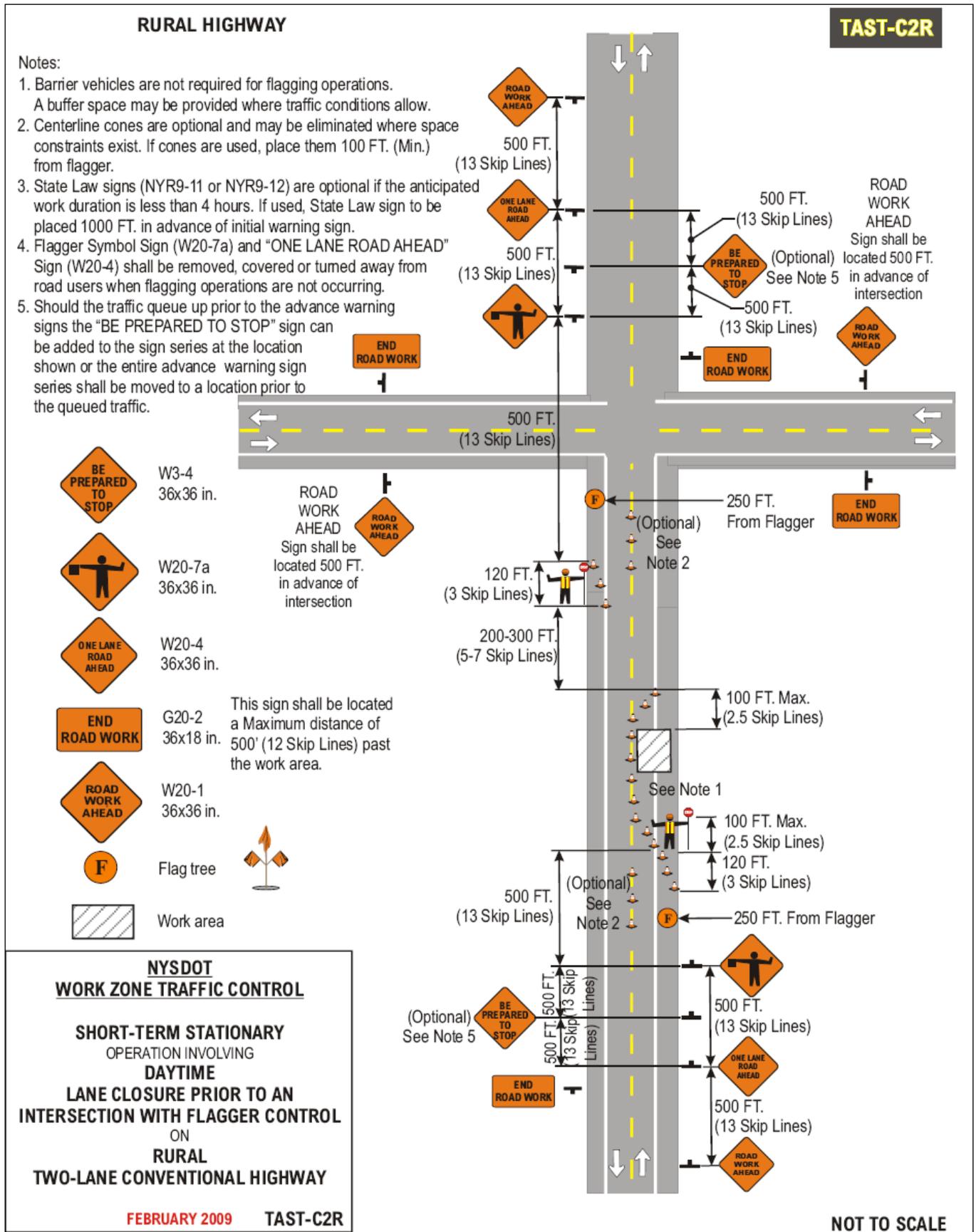
All necessary flaggers for work zone traffic control shall be provided by the contractor. For two-way roadways, a minimum of three flaggers shall be provided while the conventional or rubber modified paver placed surface treatment operation is underway. One shall be stationed at each end of the operation and one shall be stationed with the paver placed surface treatment machine. For one-way roadways, a minimum of two flaggers shall be provided while the conventional or rubber modified paver placed surface treatment operation is underway. One shall be stationed at the beginning of the operation and one shall be stationed with the paver placed surface treatment machine. The contractor shall station flaggers such that communication is maintained between the flaggers. Hand signals, radios, or some other means of communication may be used subject to the approval of the resident engineer or agency authorized individual.

Unless otherwise specified, the highway shall be kept open to traffic at all times. Traffic shall be discontinued on the lane where the conventional or rubber modified paver placed surface treatment is being placed; and as soon as the newly paved surface has been rolled, traffic may be permitted thereon.

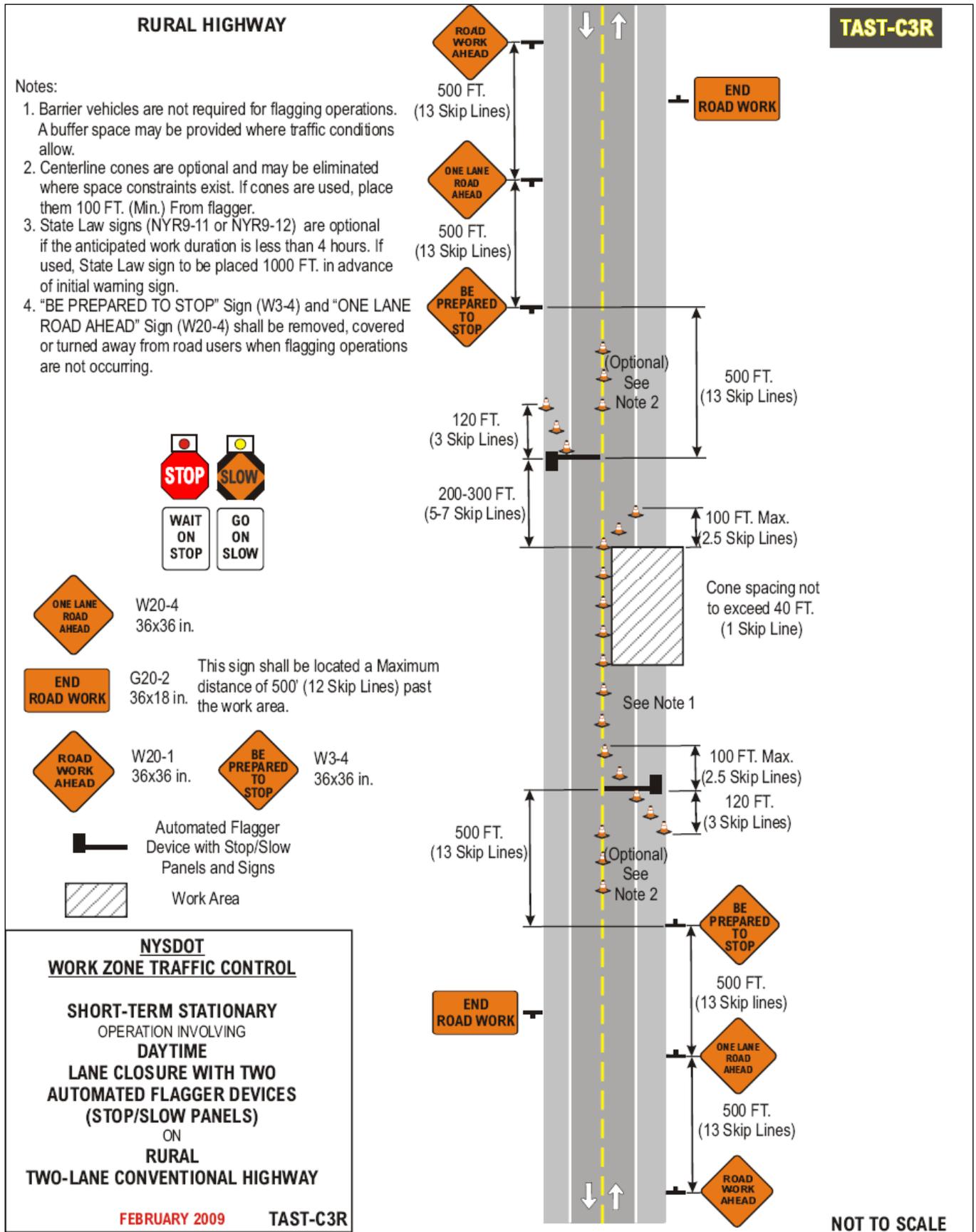
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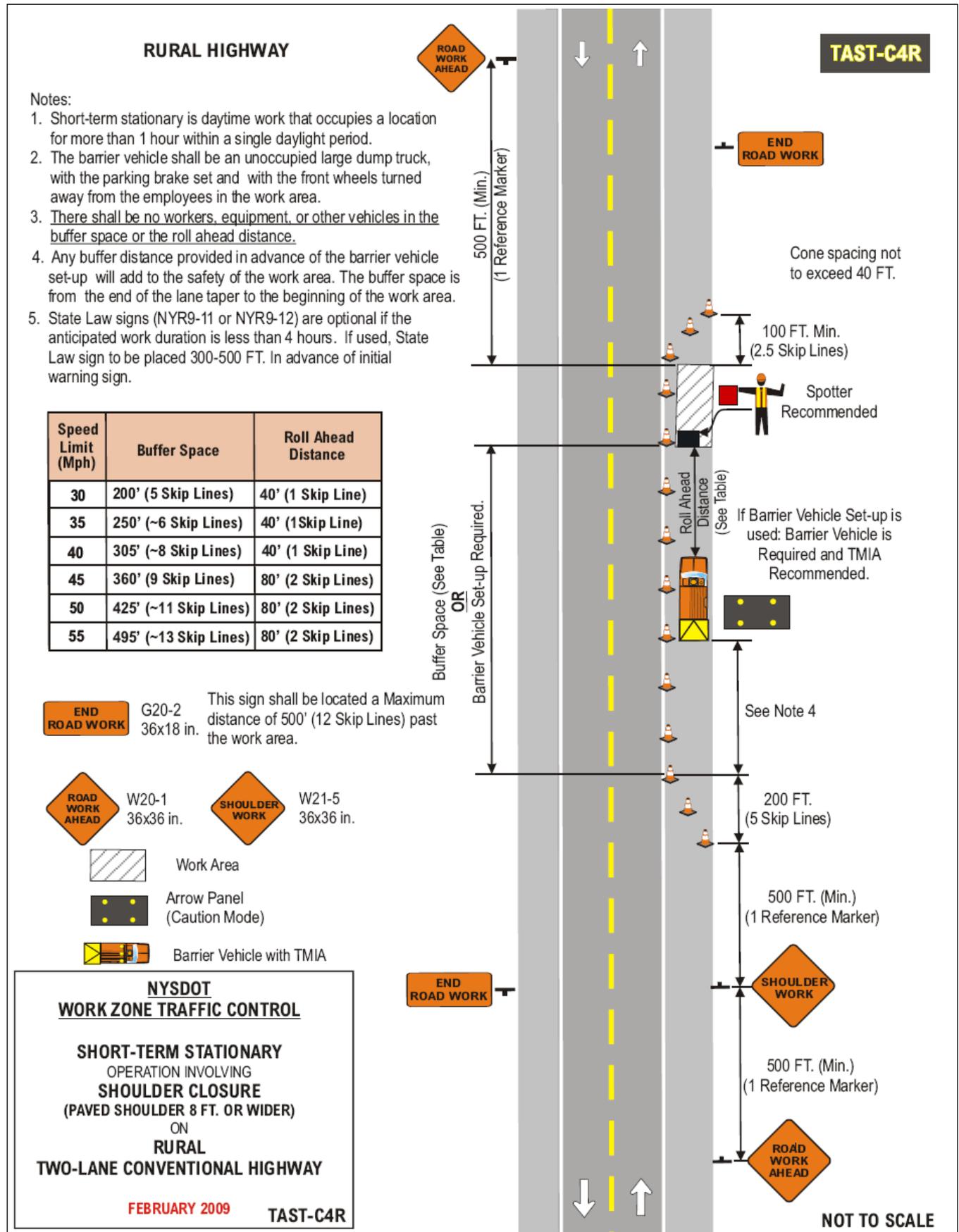
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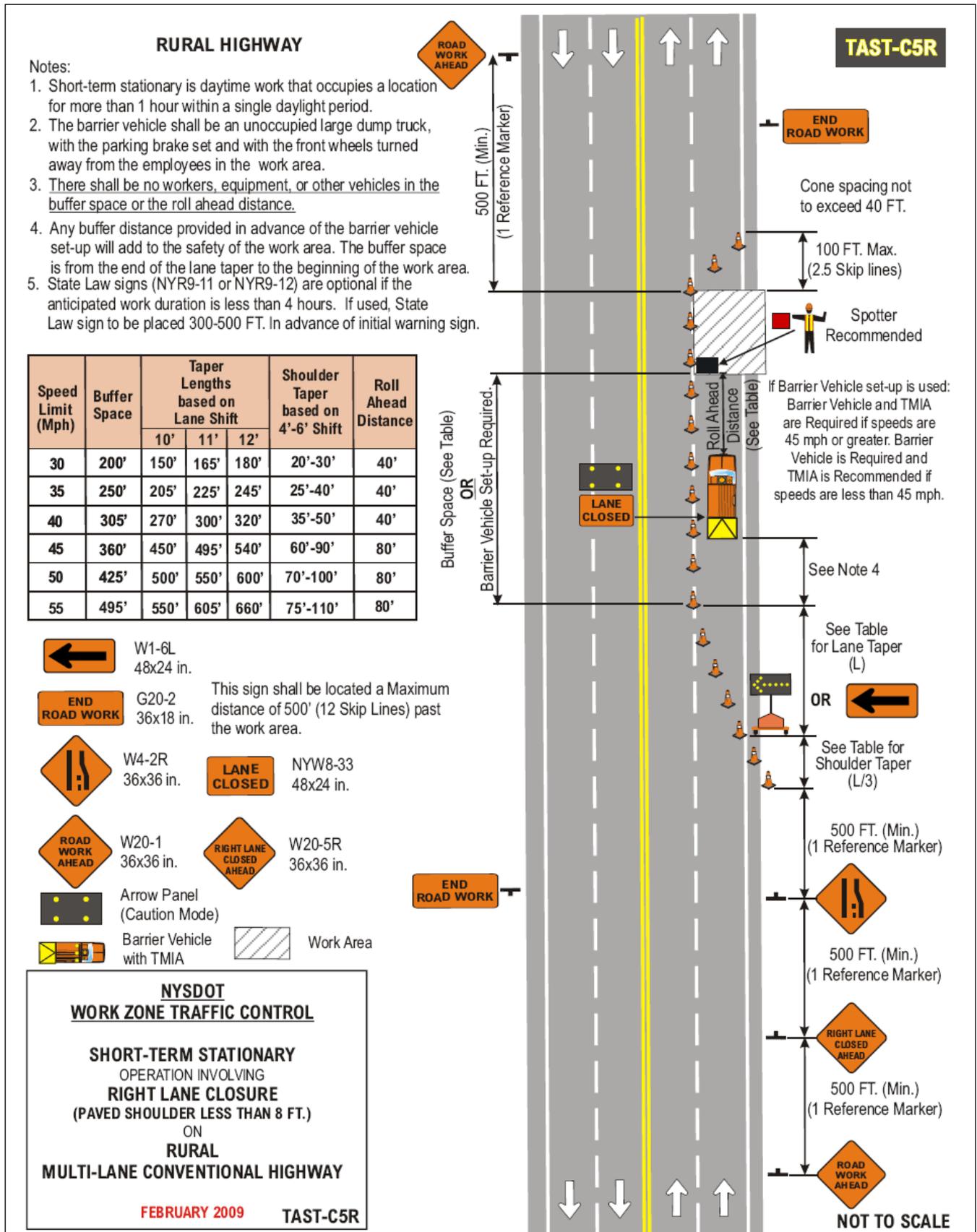
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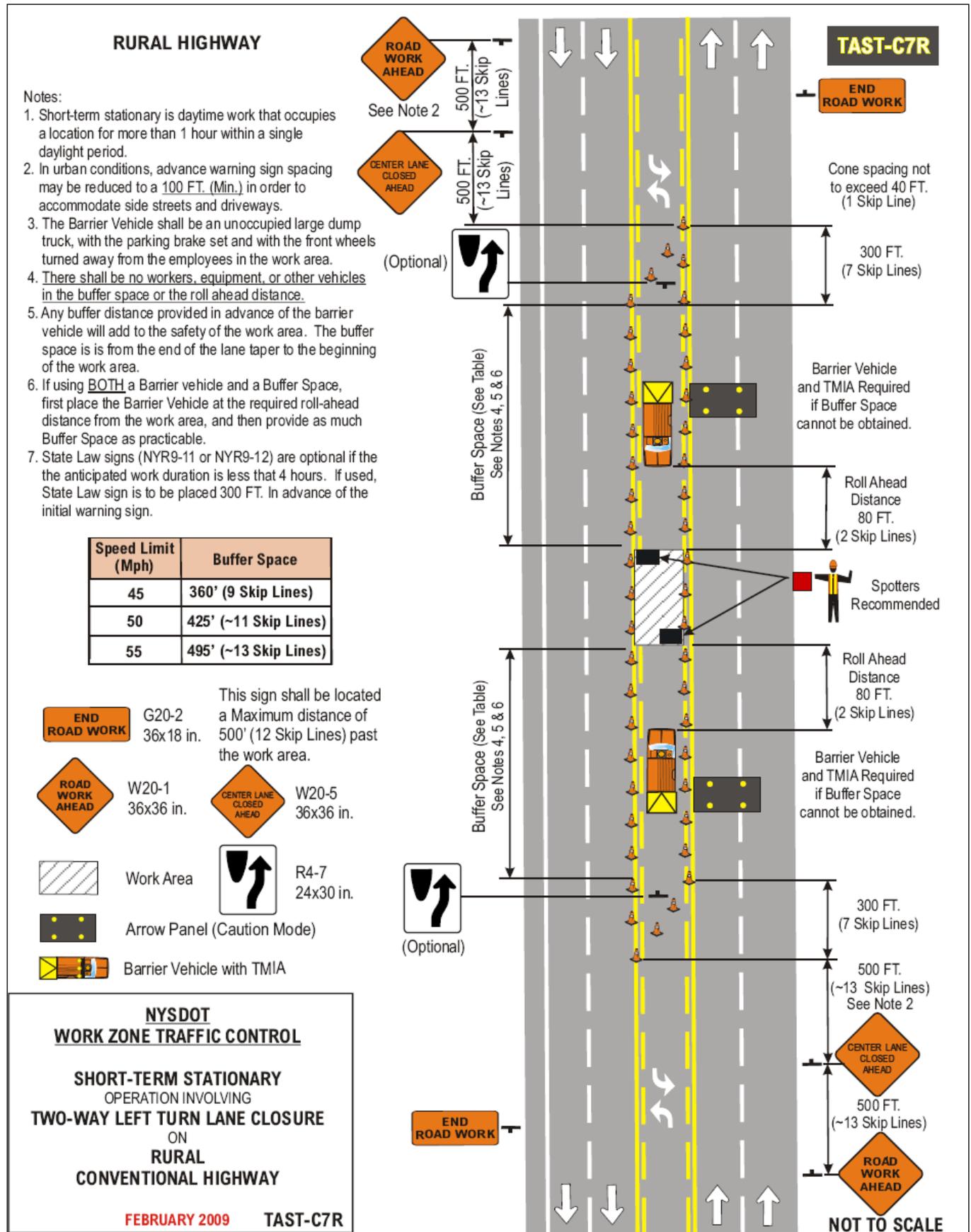
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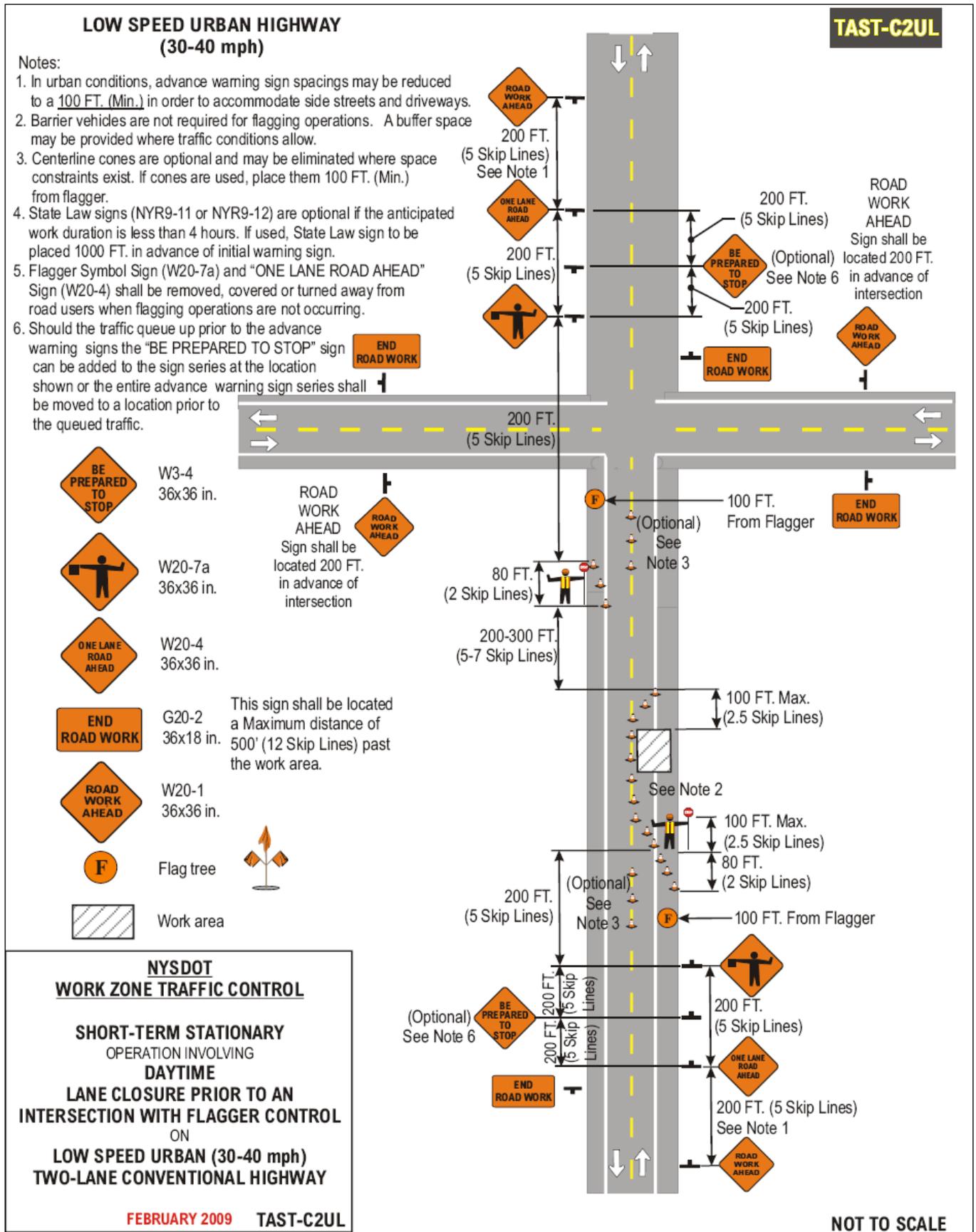
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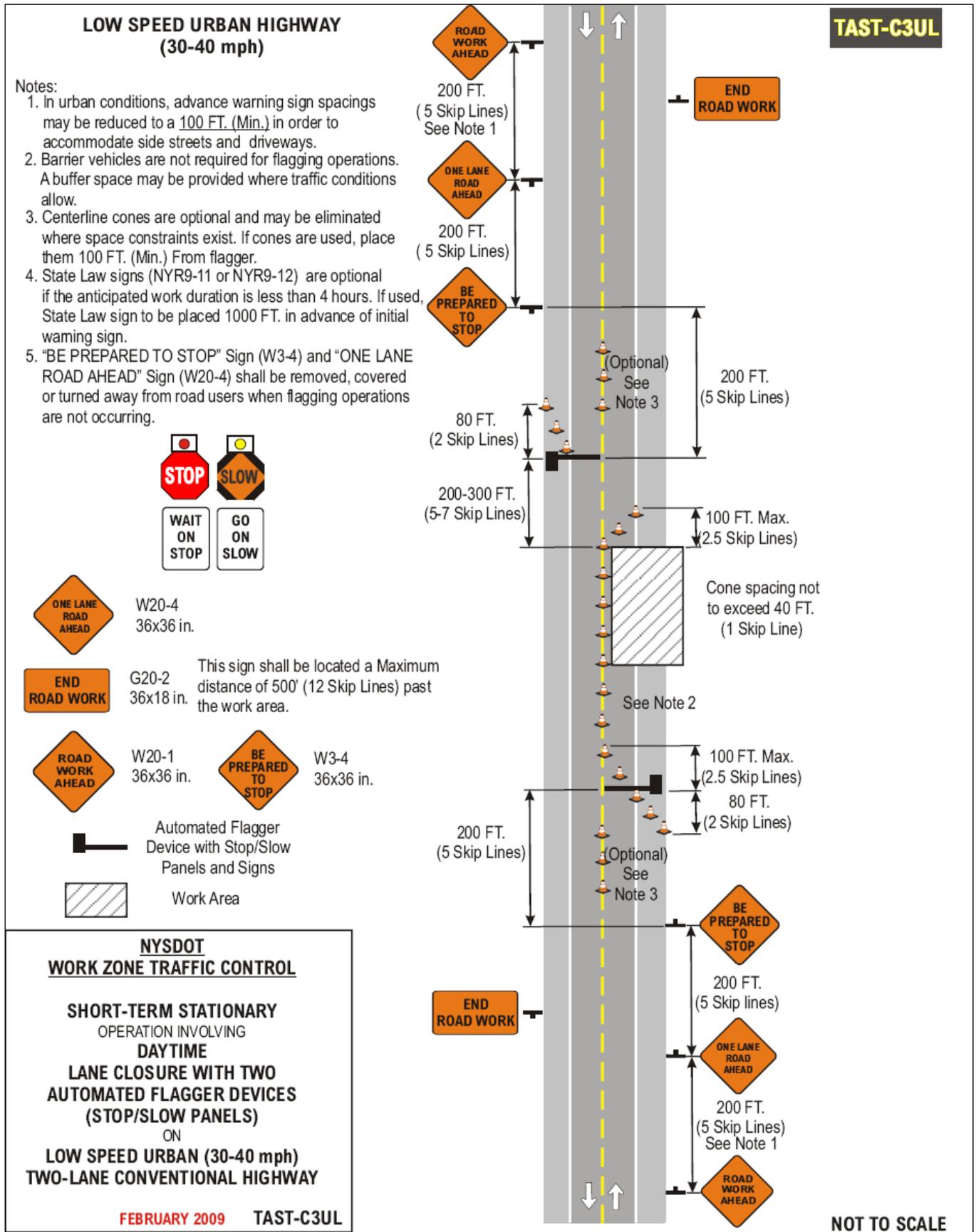
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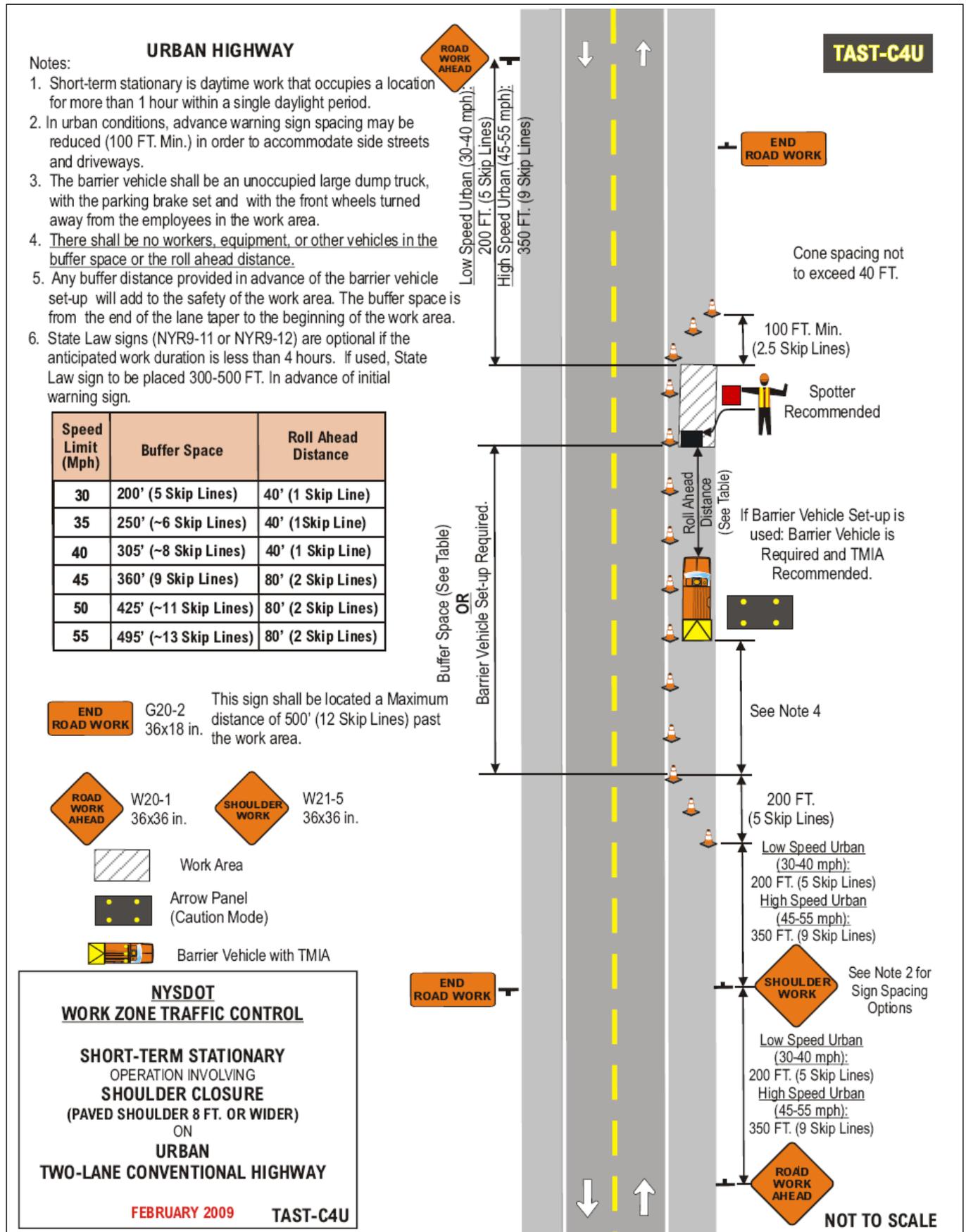
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LOW SPEED URBAN HIGHWAY
(30-40 mph)

TAST-C5UL

Notes:

1. Short-term stationary is daytime work that occupies a location for more than 1 hour within a single daylight period.
2. In urban conditions, advance warning sign spacing may be reduced to a 100 FT. (Min.) in order to accommodate side streets and driveways.
3. The Barrier Vehicle shall be an unoccupied large dump truck, with the parking brake set and with the front wheels turned away from the employees in the work area.
4. There shall be no workers, equipment, or other vehicles in the buffer space or the roll ahead distance.
5. Any buffer distance provided in advance of the barrier vehicle set-up will add to the safety of the work area. The buffer space is from the end of the lane taper to the beginning of the work area.
6. State Law signs (NYR9-11 or NYR9-12) are optional if the anticipated work duration is less that 4 hours. If used, State Law sign is to be placed 300 FT. In advance of the initial warning sign.

Speed Limit (Mph)	Buffer Space
30	200' (5 Skip Lines)
35	250' (~7 Skip Lines)
40	305' (~8 Skip Lines)

END ROAD WORK G20-2 36x18 in. This sign shall be located a Maximum distance of 500' (12 Skip Lines) past the work area.

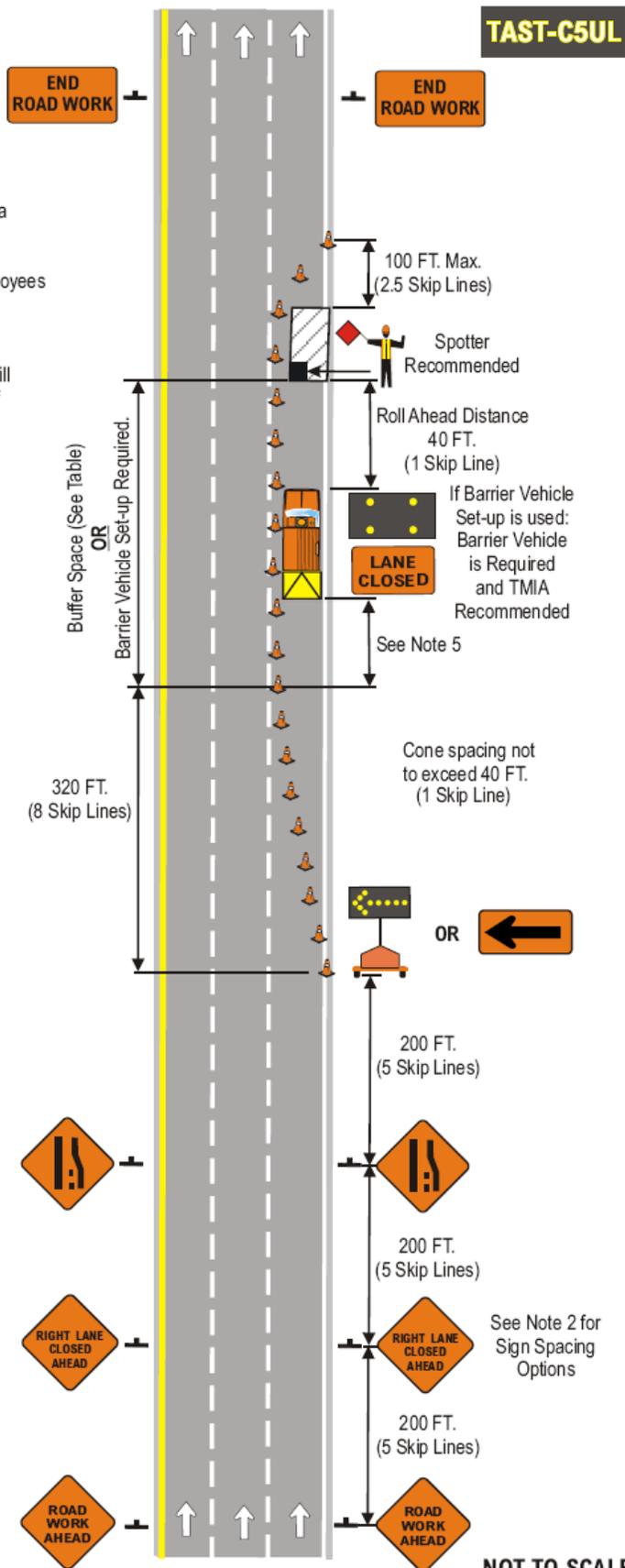
ROAD WORK AHEAD W20-1 36x36 in. **LANE CLOSED AHEAD** W4-2R 36x36 in.

LANE CLOSED NYW8-33 48x24 in. **RIGHT LANE CLOSED AHEAD** W20-5R 36x36 in.

← W1-6L 48x24 in.

Arrow Panel (Caution Mode)

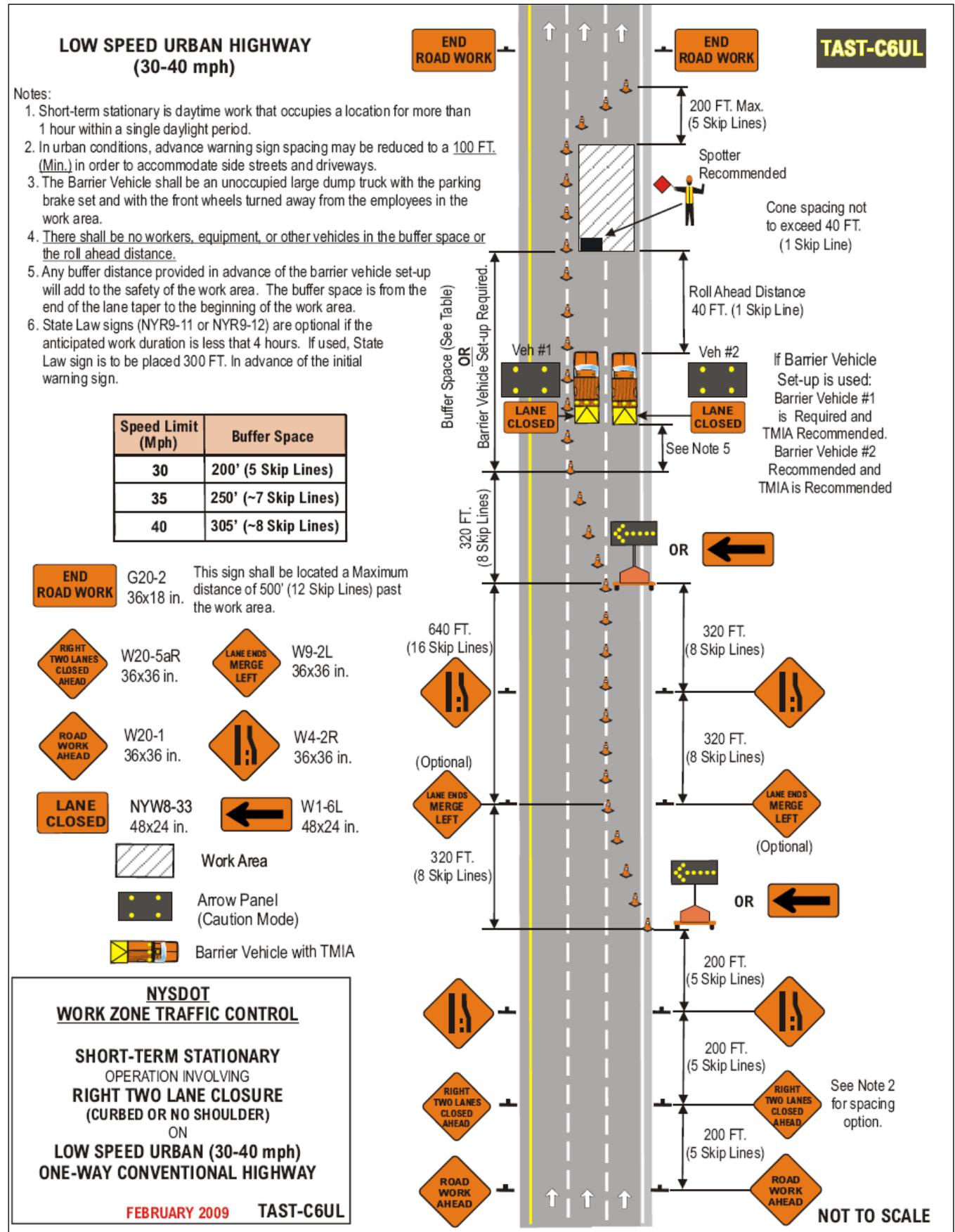
Barrier Vehicle with TMIA **Work Area**



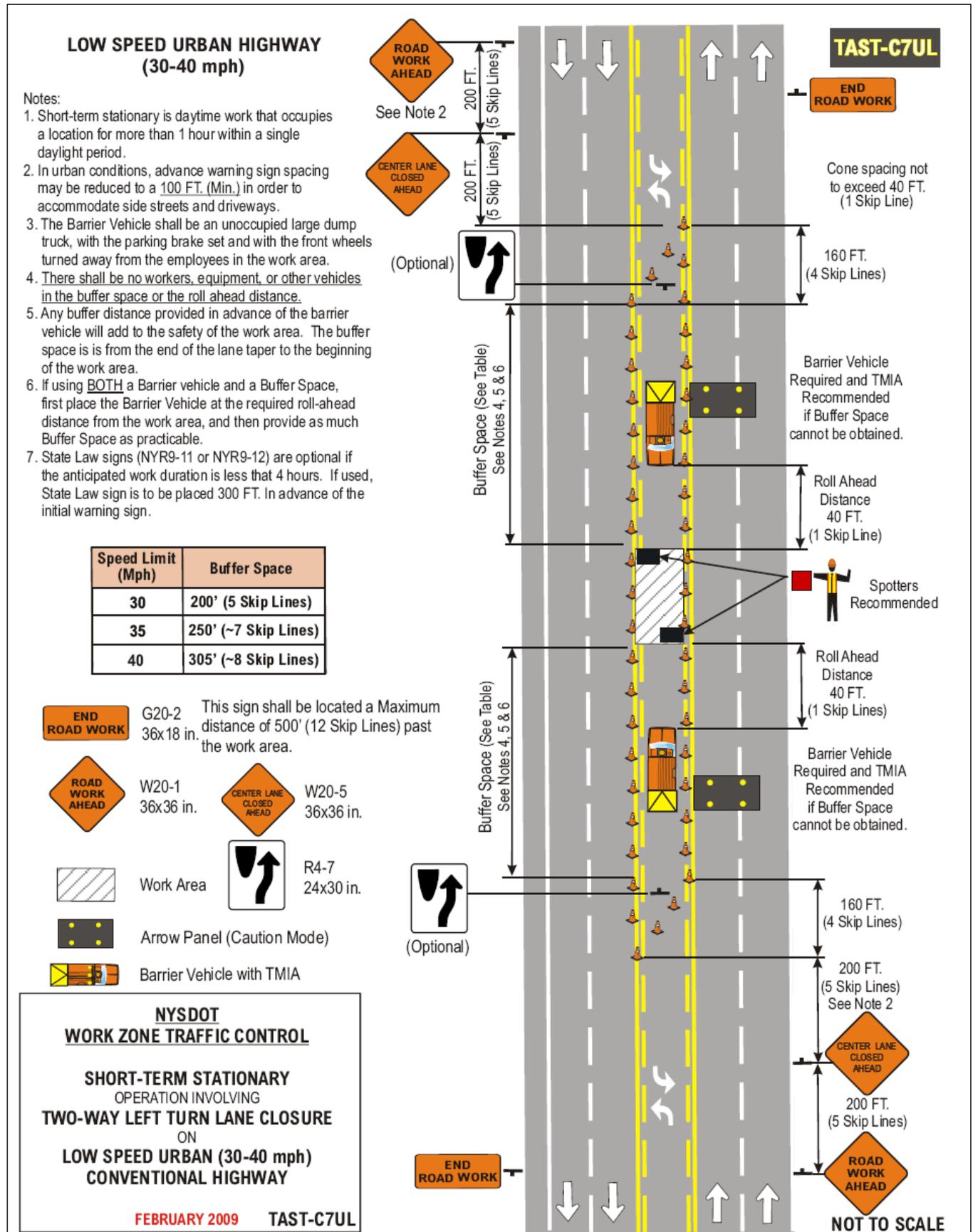
NYSDOT
WORK ZONE TRAFFIC CONTROL

SHORT-TERM STATIONARY
 OPERATION INVOLVING
RIGHT LANE CLOSURE
 (CURBED OR NO SHOULDER)
 ON
LOW SPEED URBAN (30-40 mph)
ONE-WAY CONVENTIONAL HIGHWAY

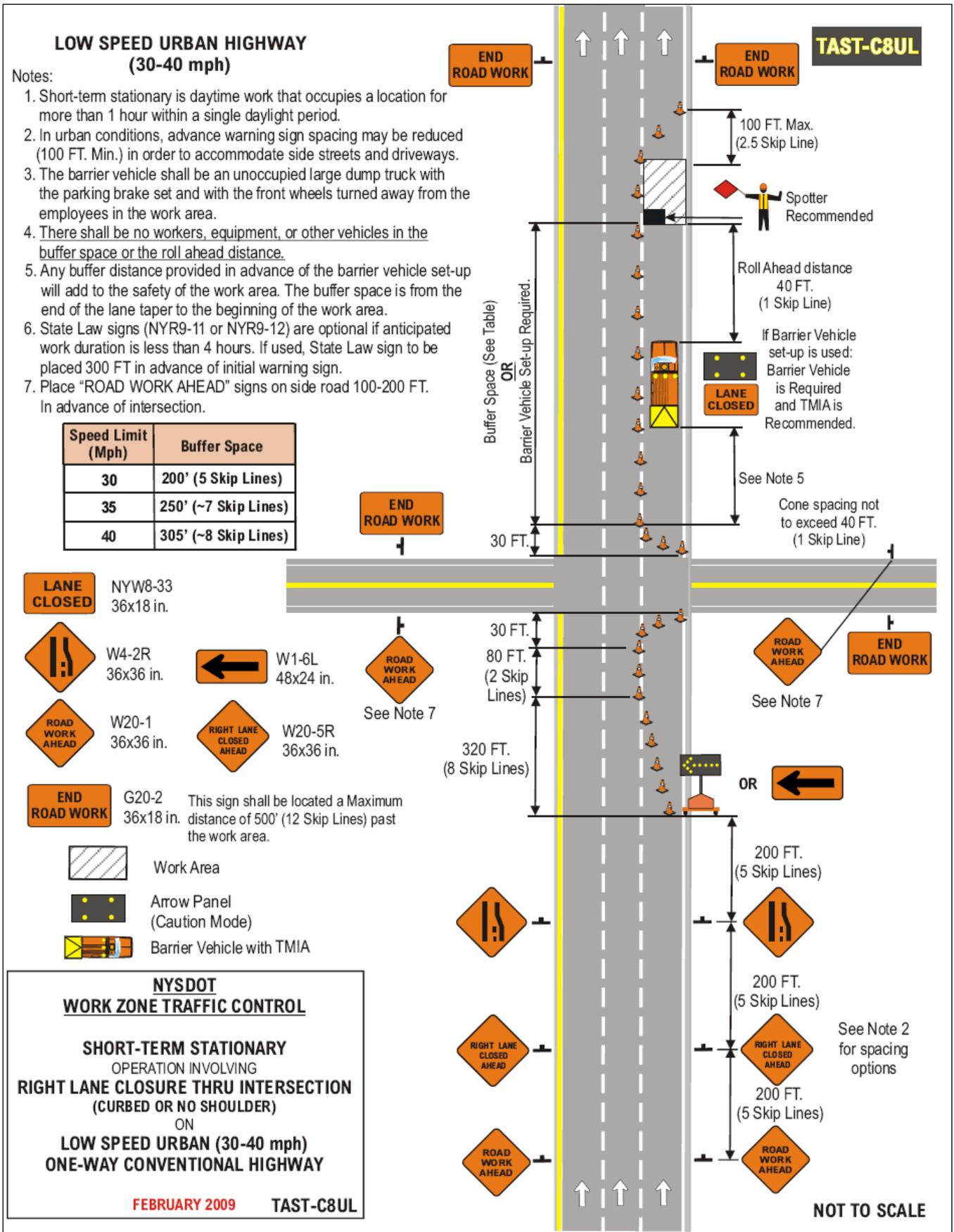
FEBRUARY 2009 TAST-C5UL



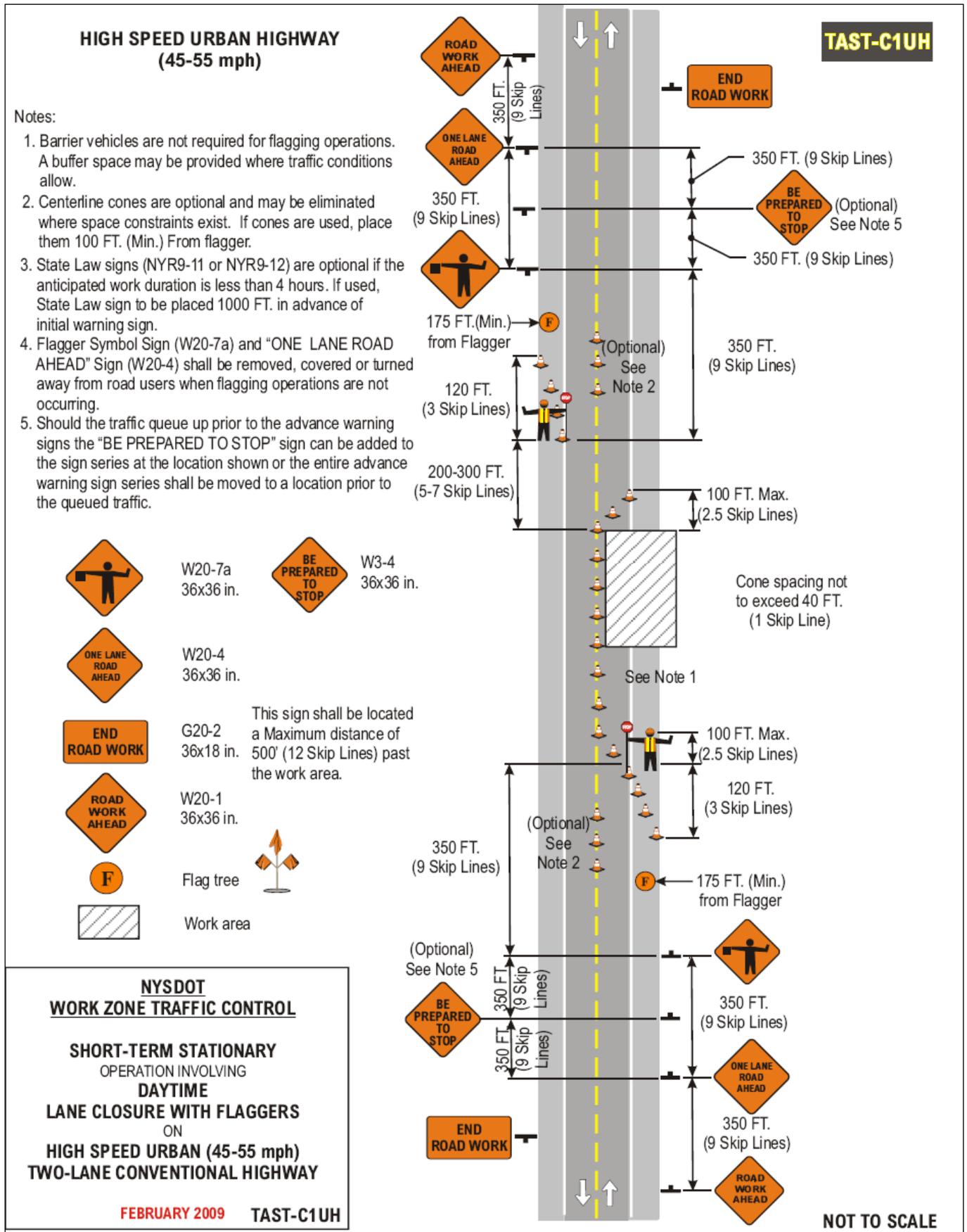
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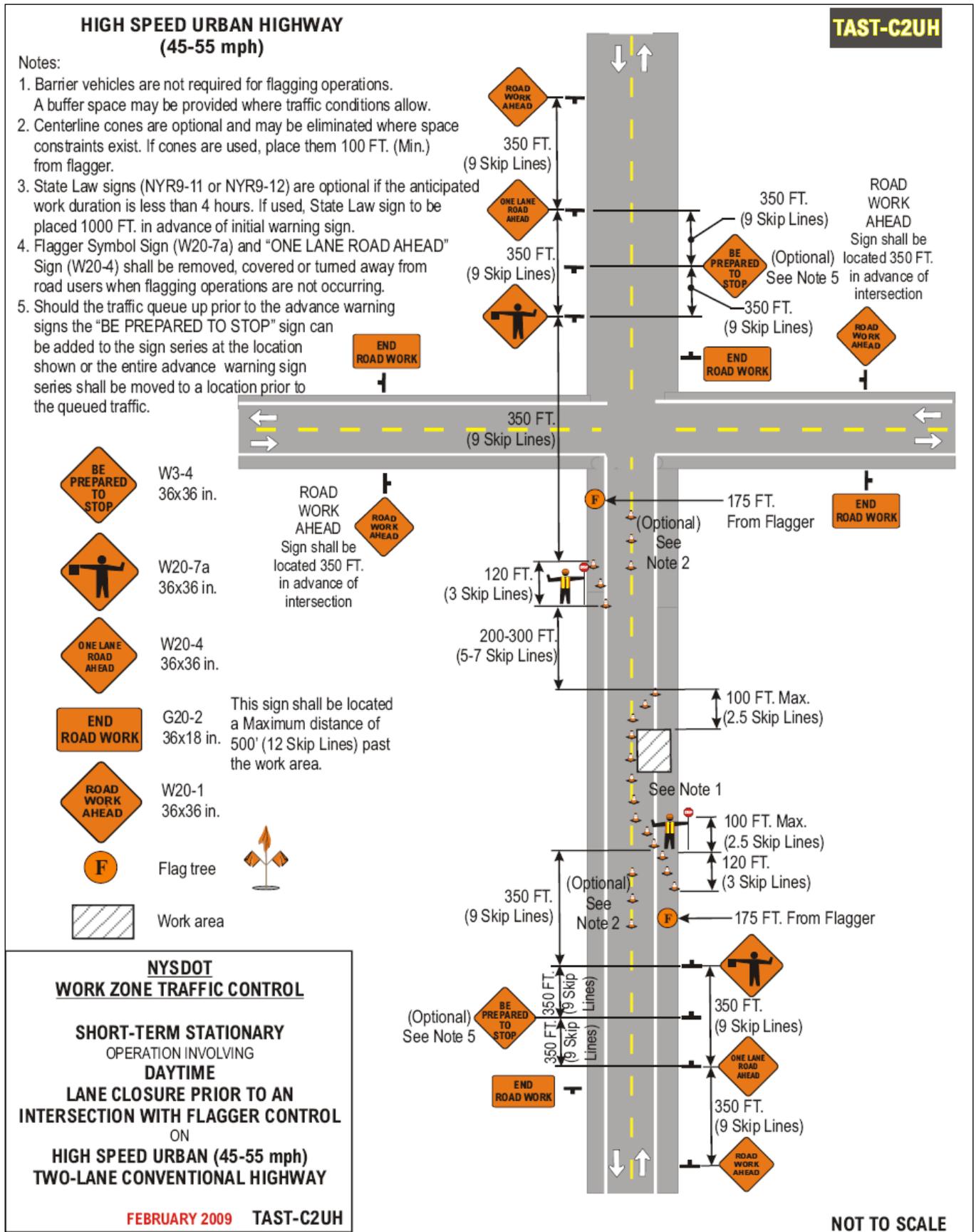
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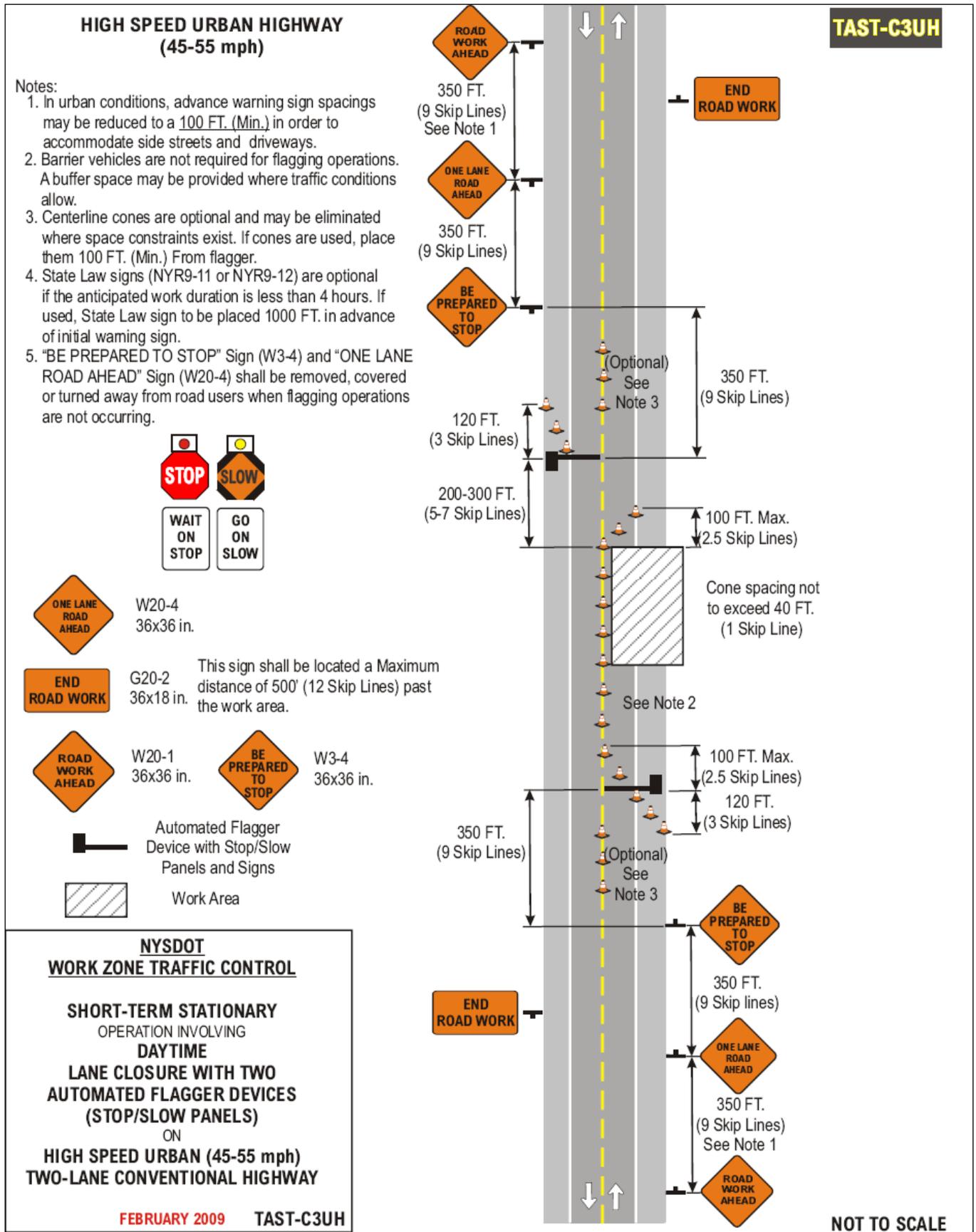
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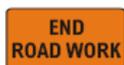
HIGH SPEED URBAN HIGHWAY
(45-55 mph)

TAST-C5UH

Notes:

1. Short-term stationary is daytime work that occupies a location for more than 1 hour within a single daylight period.
2. In urban conditions, advance warning sign spacing may be reduced to a 100 FT. (Min.) in order to accommodate side streets and driveways.
3. The Barrier Vehicle shall be an unoccupied large dump truck, with the parking brake set and with the front wheels turned away from the employees in the work area.
4. There shall be no workers, equipment, or other vehicles in the buffer space or the roll ahead distance.
5. Any buffer distance provided in advance of the barrier vehicle set-up will add to the safety of the work area. The buffer space is from the end of the lane taper to the beginning of the work area.
6. State Law signs (NYR9-11 or NYR9-12) are optional if the anticipated work duration is less than 4 hours. If used, State Law sign is to be placed 300 FT. in advance of the initial warning sign.

Speed Limit (Mph)	Buffer Space
45	360' (9 Skip Lines)
50	425' (~11 Skip Lines)
55	495' (~13 Skip Lines)



This sign shall be located a Maximum distance of 500' (12 Skip Lines) past the work area.



W20-1
36x36 in.



W4-2R
36x36 in.



NYW8-33
48x24 in.



W20-5R
36x36 in.



W1-6L
48x24 in.



Arrow Panel
(Caution Mode)



Barrier Vehicle with TMIA

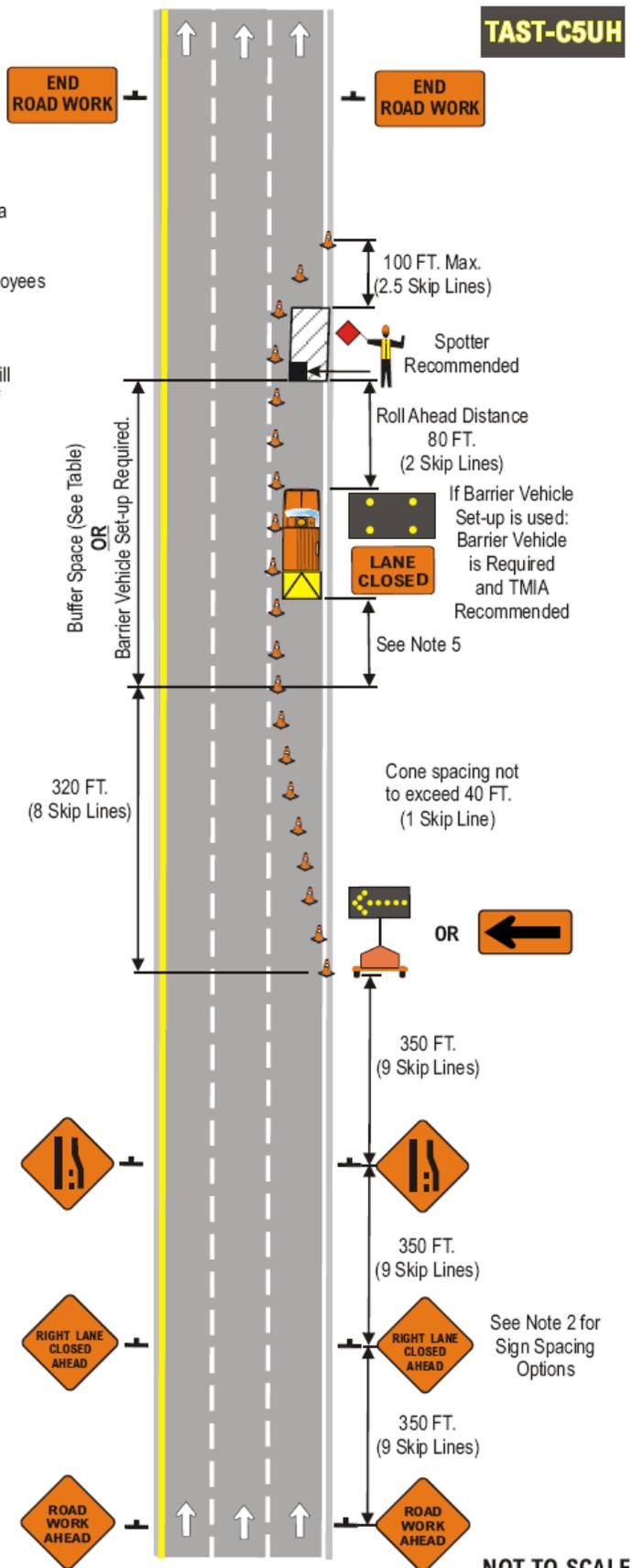


Work Area

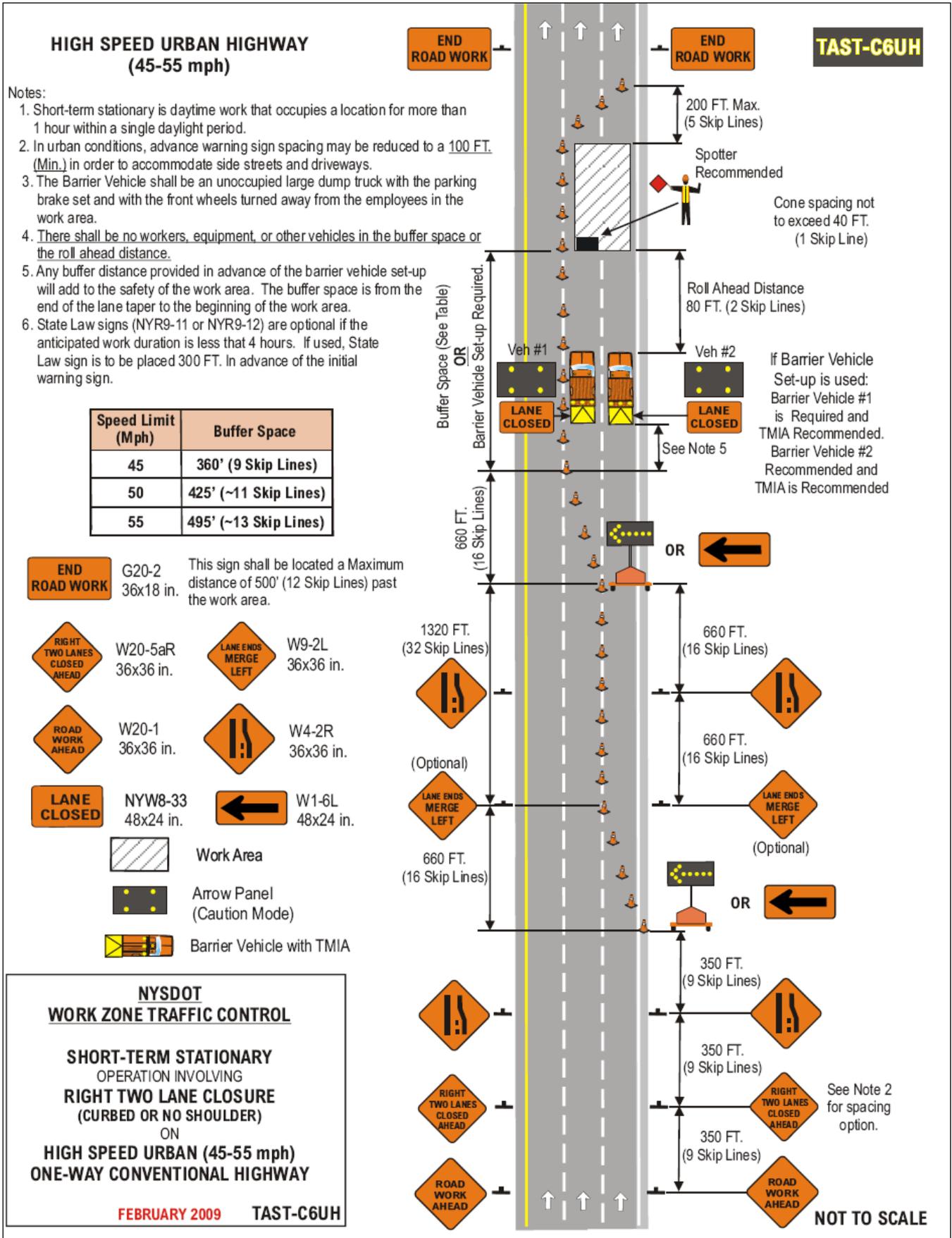
NYSDOT
WORK ZONE TRAFFIC CONTROL

SHORT-TERM STATIONARY
 OPERATION INVOLVING
RIGHT LANE CLOSURE
 (PAVED SHOULDER LESS THAN 8 FT.)
 ON
HIGH SPEED URBAN (45-55 mph)
ONE-WAY CONVENTIONAL HIGHWAY

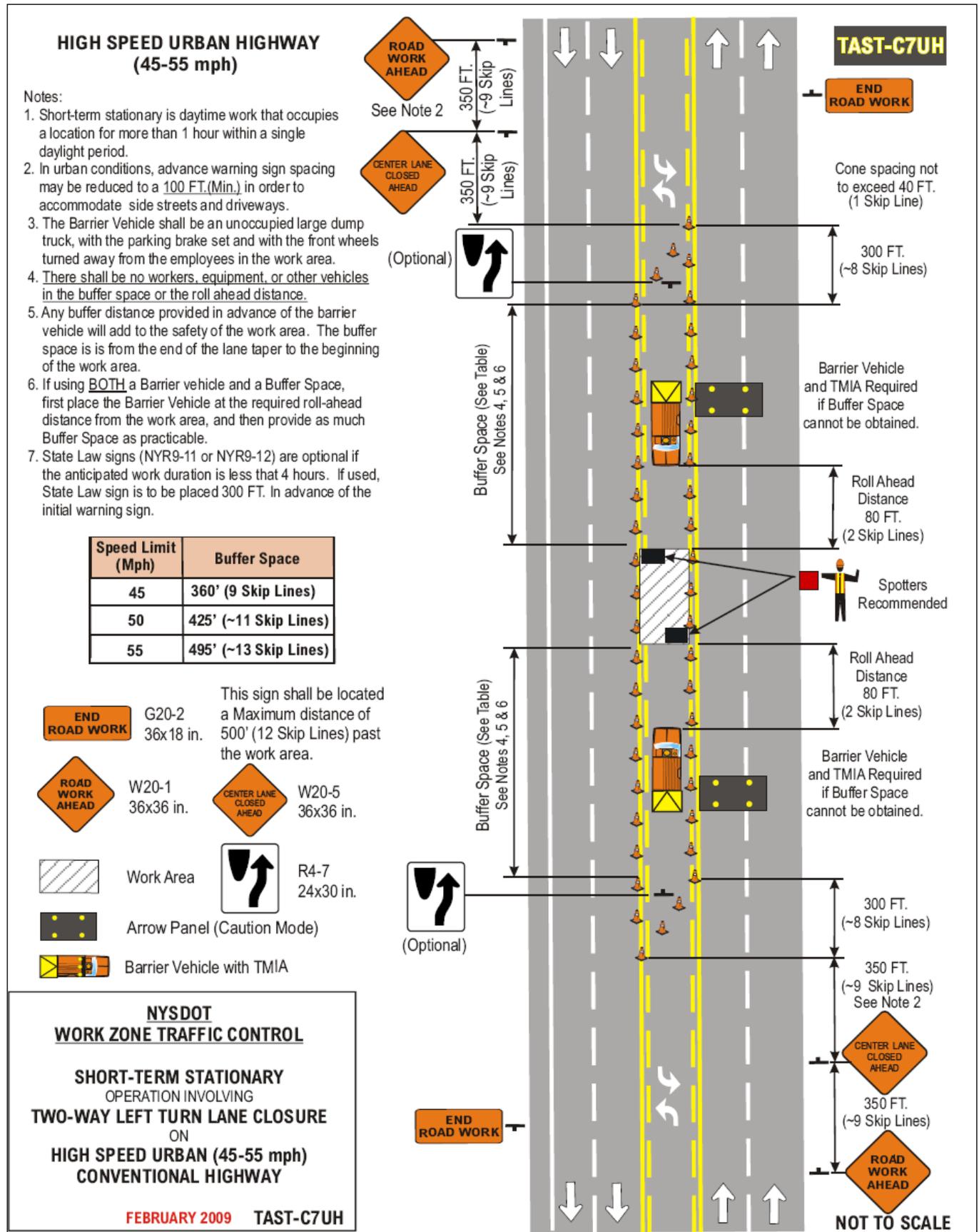
FEBRUARY 2009 TAST-C5UH



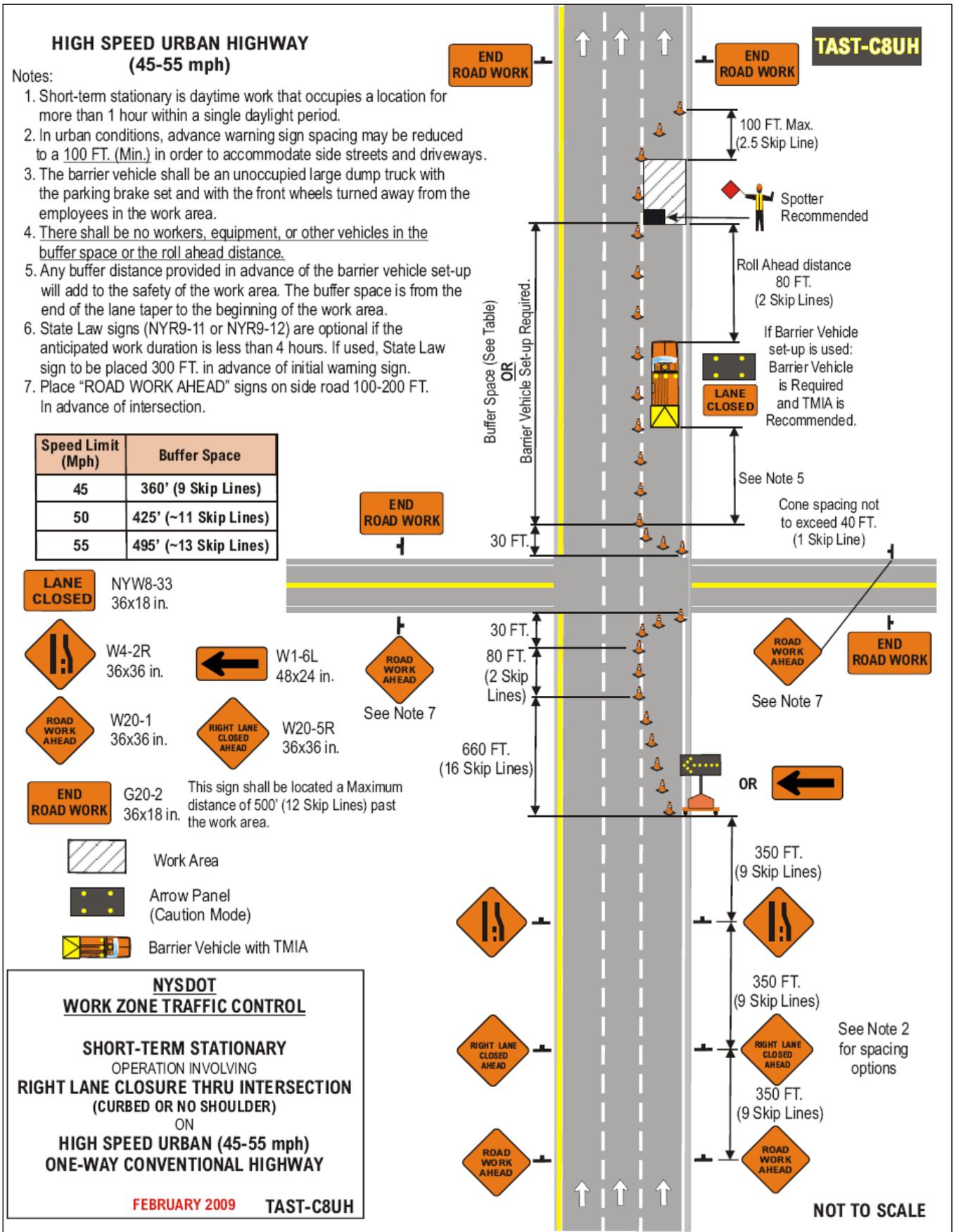
NOT TO SCALE



(Continued)



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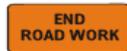


(continued)

FREEWAY OR EXPRESSWAY

Notes:

1. Short-term stationary is daytime work that occupies a location for more than 1 hour within a single daylight period.
2. The barrier vehicle shall be an unoccupied large dump truck with the parking brake set left in low or reverse gear and with the front wheels turned away from the employees in the work area.
3. There shall be no workers, equipment, or other vehicles in the buffer space or the roll ahead distance.
4. Any buffer distance provided in advance of the barrier vehicle will add to the safety of the work area.
5. State Law signs (NYR9-11 or NYR9-12) are optional if anticipated work duration is less than 4 hours. If used, State Law sign to be placed 1000 FT. in advance of initial warning sign.

	G20-2 48x24 in.	This sign shall be located a Maximum distance of 500' (12 Skip Lines) past the work area.
	W21-5aR 48x48 in.	
		W20-1 48x48 in.
	W21-5 48x48 in.	
		W21-5bR 48x48 in.

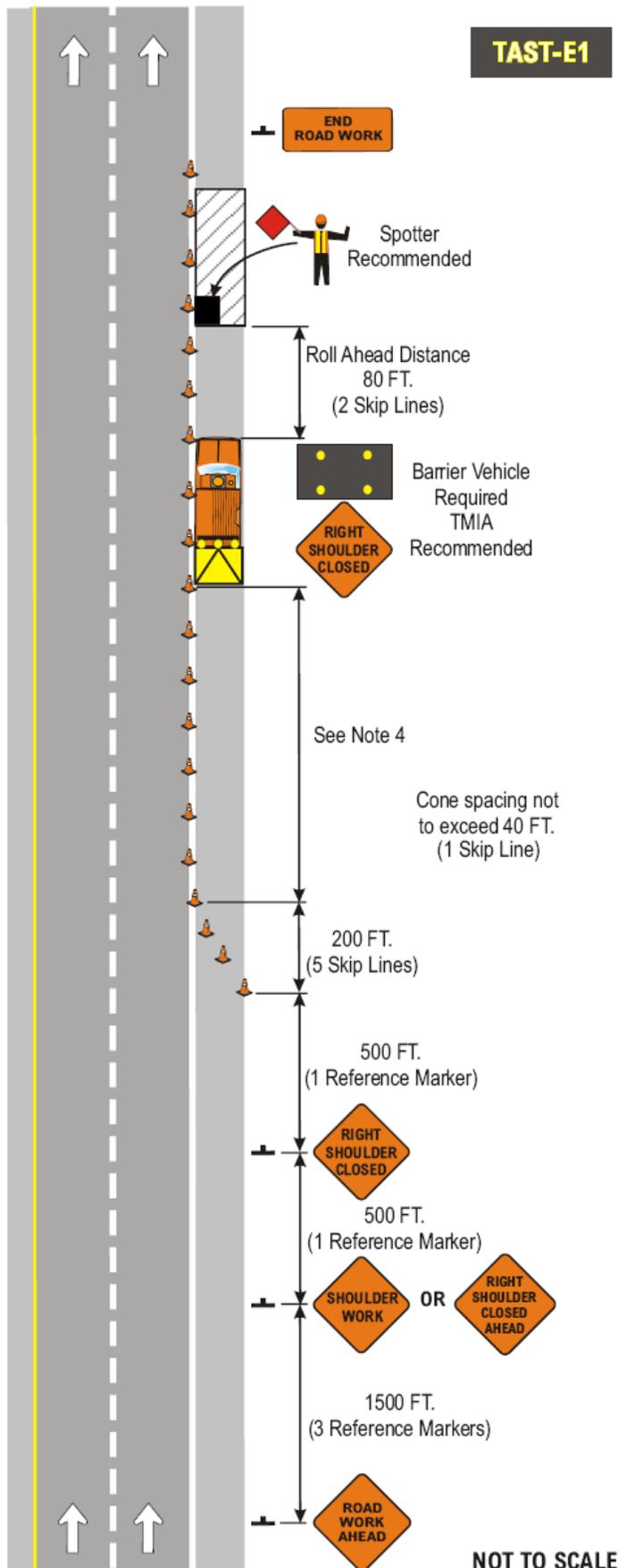
	Work Area
	Arrow Panel (Caution Mode)
	Barrier Vehicle with TMIA

NYSDOT
WORK ZONE TRAFFIC CONTROL

SHORT-TERM STATIONARY
 OPERATION INVOLVING
SHOULDER CLOSURE
 (PAVED SHOULDER 8 FT. OR WIDER)
 ON
FREEWAY OR EXPRESSWAY

AUGUST 2008

TAST-E1



FREEWAY OR EXPRESSWAY

Notes:

1. Short-term stationary is daytime work that occupies a location for more than 1 hour within a single daylight period.
2. The barrier vehicle shall be an unoccupied large dump truck with the parking brake set and with the front wheels turned away from the employees in the work area.
3. There shall be no workers, equipment, or other vehicles in the buffer space or the roll ahead distance.
4. Any buffer distance provided in advance of the barrier vehicle will add to the safety of the work area.
5. State Law signs (NYR9-11 or NYR9-12) are optional if anticipated work duration is less than 4 hours. If used, State Law sign to be placed 1000 FT. in advance of initial warning sign.

Speed Limit (Mph)	Taper Lengths based on Lane Shift		
	10'	11'	12'
55	550'	605'	660'
60	600'	660'	720'
65	650'	715'	760'

END ROAD WORK G20-2 48x24 in. This sign shall be located a Maximum distance of 500' (12 Skip Lines) past the work area.

LANE CLOSED NYW8-33 48x24 in. **ROAD WORK 1 MILE** W20-1 48x48 in.

RIGHT LANE CLOSED 1/2 MILE W20-5R 48x48 in. **RIGHT LANE CLOSED 1/2 MILE** W4-2R 48x48 in.

 Work Area

 Arrow Panel (Caution Mode)

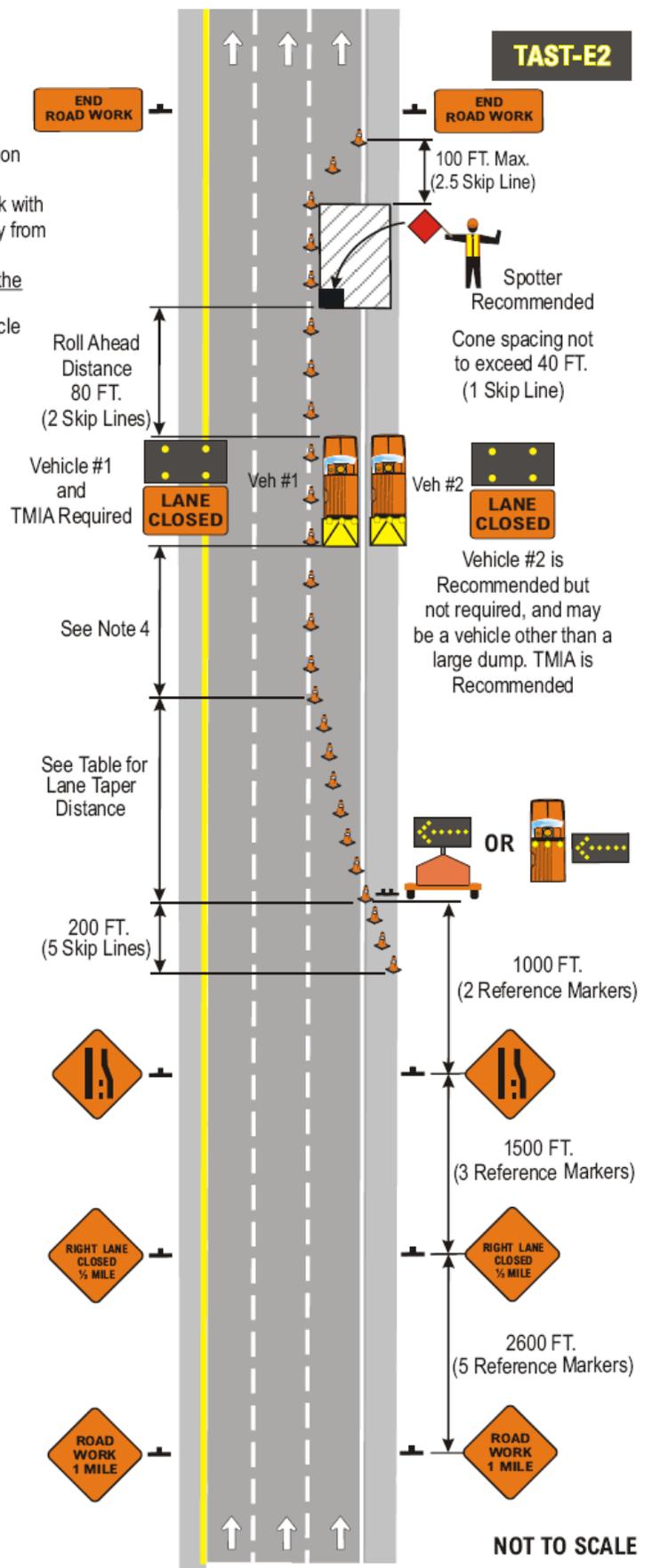
 Barrier Vehicle with TMIA

NYSDOT
WORK ZONE TRAFFIC CONTROL

SHORT-TERM STATIONARY
 OPERATION INVOLVING
RIGHT LANE CLOSURE
 (PAVED SHOULDER 8 FT. OR WIDER)
 ON
FREEWAY OR EXPRESSWAY

AUGUST 2008

TAST-E2



FREEWAY OR EXPRESSWAY

Notes:

1. Short-term stationary is daytime work that occupies a location for more than 1 hour within a single daylight period.
2. The barrier vehicle shall be an unoccupied large dump truck with the parking brake set and with the front wheels turned away from the employees in the work area.
3. There shall be no workers, equipment, or other vehicles in the buffer space or the roll ahead distance.
4. Any buffer distance provided in advance of the barrier vehicle will add to the safety of the work area.
5. State Law signs (NYR9-11 or NYR9-12) are optional if anticipated work duration is less than 4 hours. If used, State Law sign to be placed 1000 FT. in advance of initial warning sign.

Speed Limit (Mph)	Taper Lengths based on Lane Shift		
	10'	11'	12'
55	550'	605'	660'
60	600'	660'	720'
65	650'	715'	760'

LANE CLOSED NYW8-33 48x24 in. This sign shall be located a Maximum distance of 500' (12 Skip Lines) past the work area.

END ROAD WORK G20-2 48x24 in.

LANE ENDS MERGE LEFT W9-2L 48x48 in. **ROAD WORK 1 MILE** W20-1 48x48 in.

RIGHT TWO LANES CLOSED 1/2 MILE W20-5aR 48x48 in. **LANE ENDS MERGE LEFT** W4-2R 48x48 in.

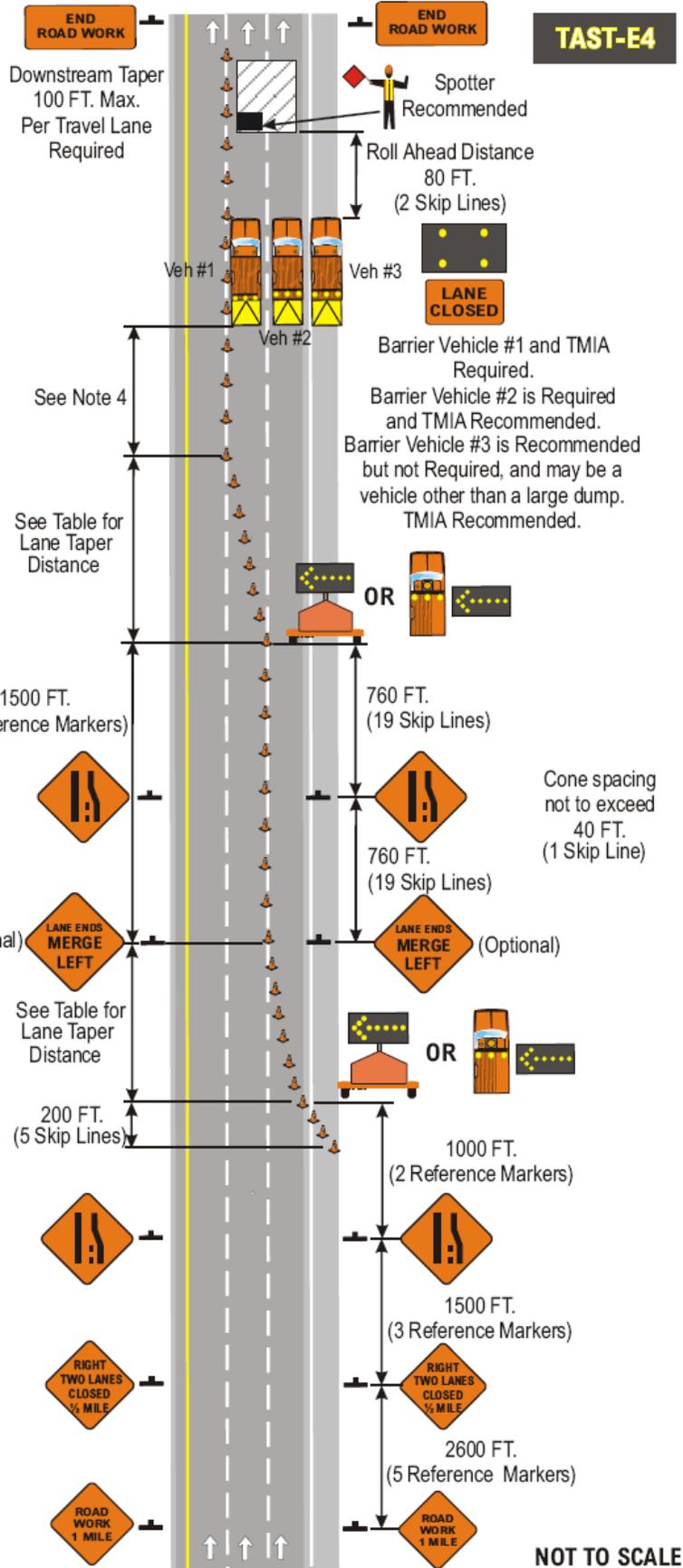
Arrow Panel (Caution Mode)

Barrier Vehicle with TMIA **Work Area**

NYSDOT
WORK ZONE TRAFFIC CONTROL

SHORT-TERM STATIONARY
 OPERATION INVOLVING
RIGHT TWO LANE CLOSURE
 (PAVED SHOULDER 8 FT. OR WIDER)
 ON
FREEWAY OR EXPRESSWAY

AUGUST 2008 **TAST-E4**



**FREEWAY OR EXPRESSWAY
 PAVED SHOULDER LESS THAN 8 FT.**

Notes:

1. Short-term stationary is daytime work that occupies a location for more than 1 hour within a single daylight period.
2. The barrier vehicle shall be an unoccupied large dump truck with the parking brake set and with the front wheels turned away from the employees in the work area.
3. There shall be no workers, equipment, or other vehicles in the buffer space or the roll ahead distance.
4. Any buffer distance provided in advance of the barrier vehicle will add to the safety of the work area.
5. State Law signs (NYR9-11 or NYR9-12) are optional if anticipated work duration is less than 4 hours. If used, State Law sign to be placed 1000 FT. in advance of initial warning sign.

Speed Limit (Mph)	Taper Lengths based on Lane Shift			Shoulder Taper based on 4'-6" Shift
	10'	11'	12'	
55	550'	605'	660'	75'-110'
60	600'	660'	720'	80'-120'
65	650'	715'	760'	90'-130'

LANE CLOSED NYW8-33 48x24 in. This sign shall be located a Maximum distance of 500' (12 Skip Lines) past the work area.

END ROAD WORK G20-2 48x24 in.

LANE ENDS MERGE LEFT W9-2L 48x48 in. **ROAD WORK 1 MILE** W20-1 48x48 in. (Optional)

RIGHT TWO LANES CLOSED 1/2 MILE W20-5aR 48x48 in. **LANE ENDS MERGE LEFT** W4-2R 48x48 in. (Optional)

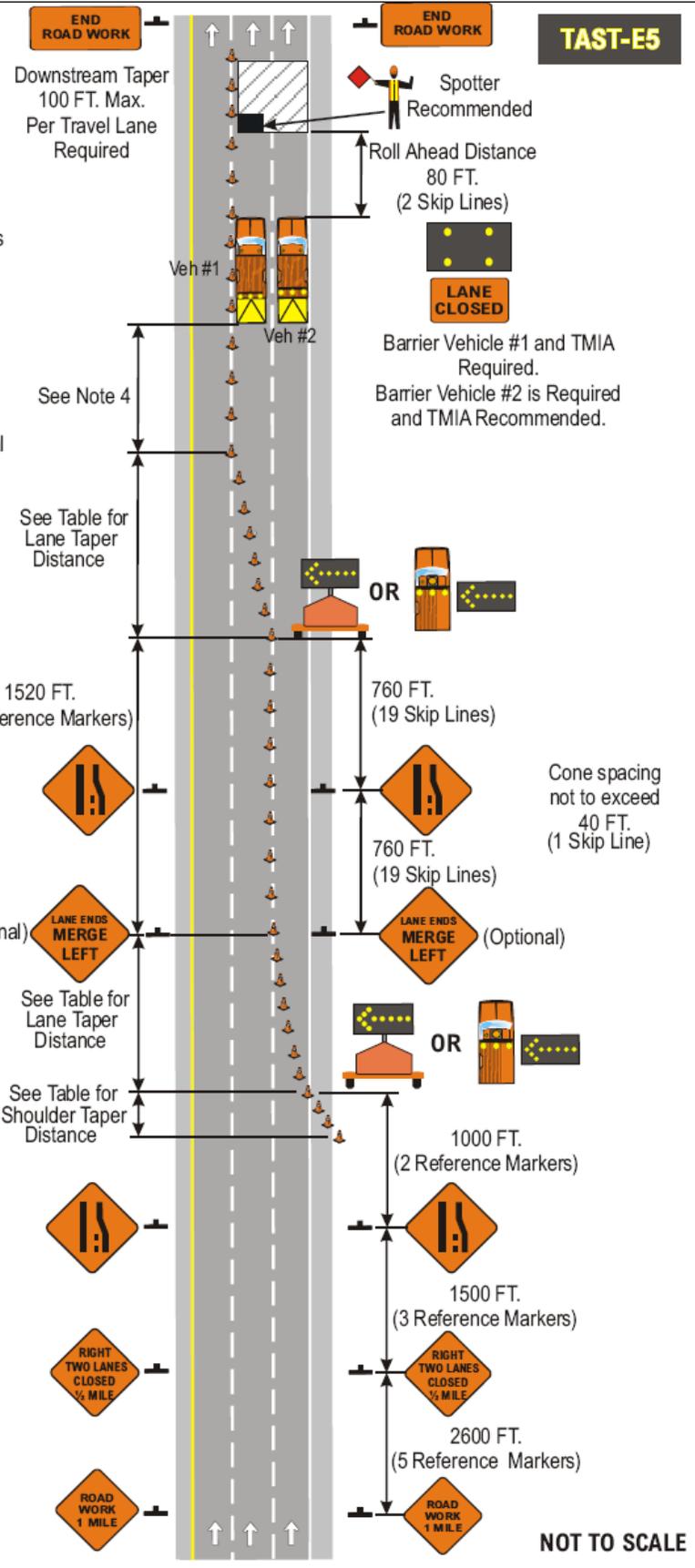
Arrow Panel (Caution Mode)

Barrier Vehicle with TMIA **Work Area**

NYS DOT
WORK ZONE TRAFFIC CONTROL

SHORT-TERM STATIONARY
 OPERATION INVOLVING
RIGHT TWO LANE CLOSURE
 (PAVED SHOULDER LESS THAN 8 FT.)
 ON
FREEWAY OR EXPRESSWAY

MARCH 2009 **TAST-E5**



(continued)

FREEWAY OR EXPRESSWAY

Notes:

1. Short-term stationary is daytime work that occupies a location for more than 1 hour within a single daylight period.
2. The barrier vehicle shall be an unoccupied large dump truck with the parking brake set and with the front wheels turned away from the employees in the work area.
3. There shall be no workers, equipment, or other vehicles in the buffer space or the roll ahead distance.
4. Any buffer distance provided in advance of the barrier vehicle will add to the safety of the work area.
5. State Law signs (NYR9-11 or NYR9-12) are optional if anticipated work duration is less than 4 hours. If used, State Law sign to be placed 1000 FT. in advance of initial warning sign.

Speed Limit (Mph)	Taper Lengths based on Lane Shift			Shoulder Taper based on 4'-6' Shift
	10'	11'	12'	
55	550'	605'	660'	75'-110'
60	600'	660'	720'	80'-120'
65	650'	715'	760'	90'-130'

END ROAD WORK G20-2 48x24 in. This sign shall be located a Maximum distance of 500' (12 Skip Lines) past the work area.

LANE CLOSED NYW8-33 48x24 in. **ROAD WORK 1 MILE** W20-1 48x48 in.

LEFT LANE CLOSED 1/2 MILE W20-5L 48x48 in. **ROAD WORK 1/2 MILE** W4-2L 48x48 in.

 Work Area

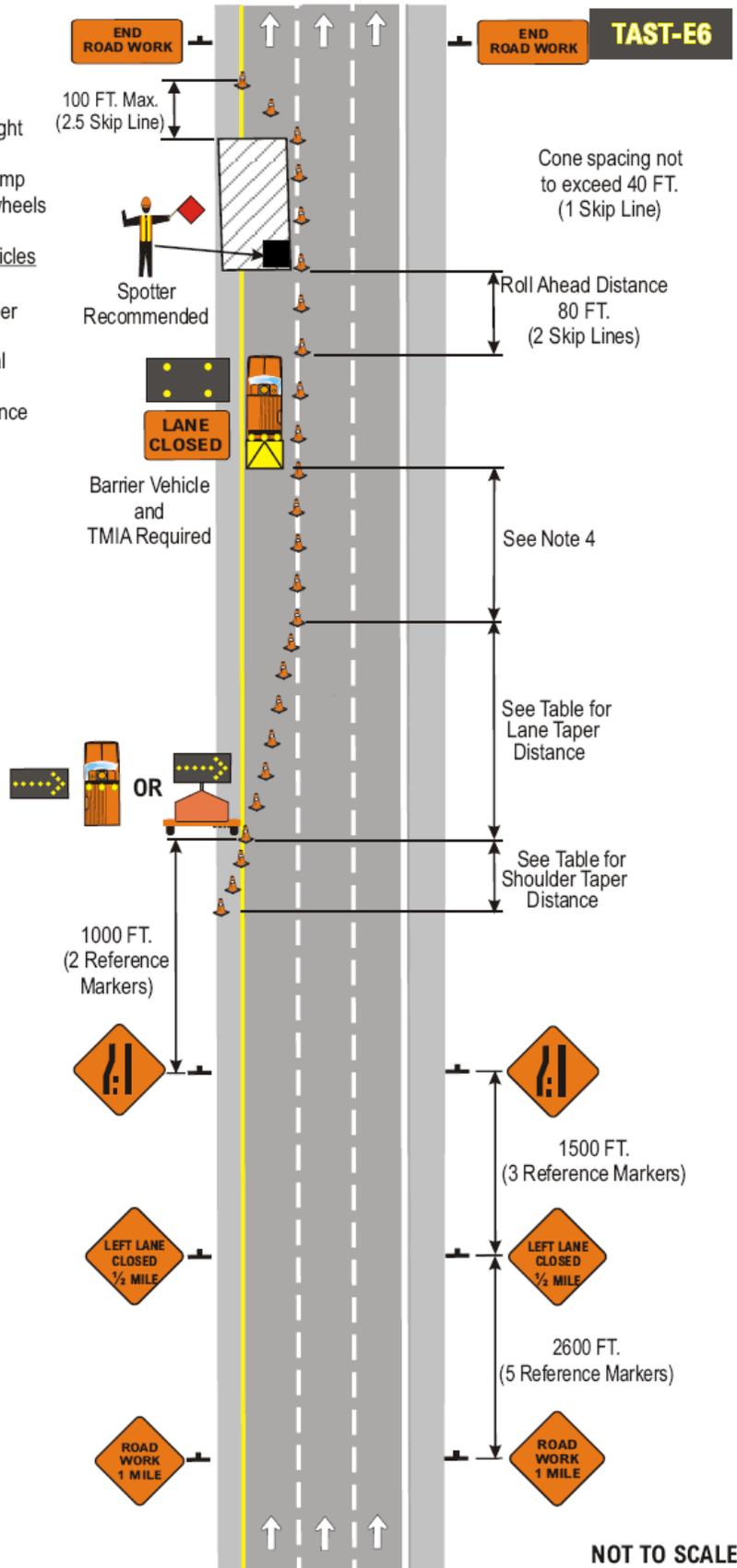
 Arrow Panel (Caution Mode)

 Barrier Vehicle with TMIA

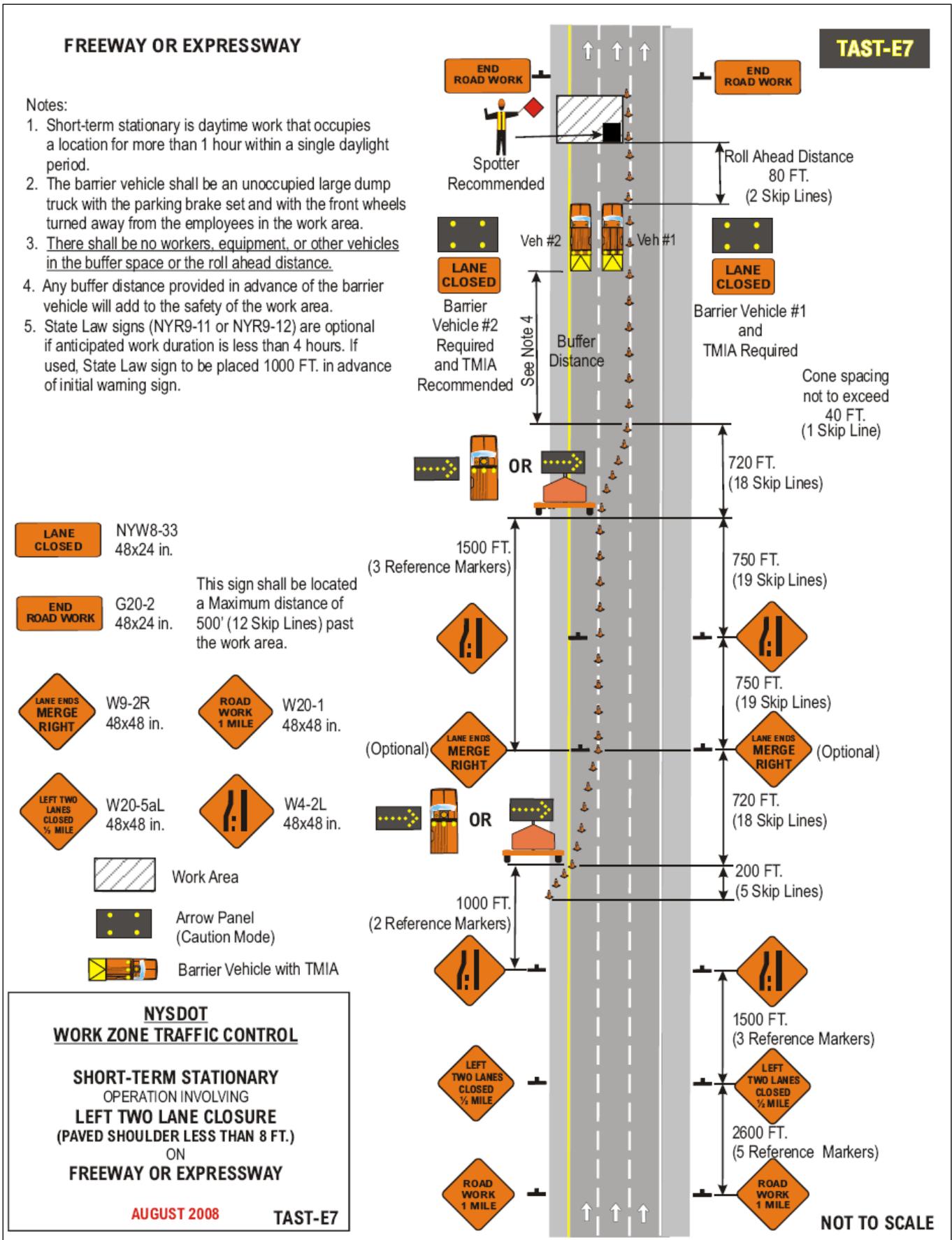
NYSDOT
WORK ZONE TRAFFIC CONTROL

SHORT-TERM STATIONARY
 OPERATION INVOLVING
LEFT LANE CLOSURE
 (PAVED SHOULDER LESS THAN 8 FT.)
 ON
FREEWAY OR EXPRESSWAY

AUGUST 2008 **TAST-E6**



(continued)



OPTIONAL WORK ZONE TRAFFIC CONTROL: (Cont'd)

The contractor shall provide construction signs as specified in Section 619-1 through 619-3 of the Standard Specifications and in the MUTCD. At a minimum the contractor shall install the following permanent construction signs:

SIGN	MINIMUM SIZE	LOCATION
ROAD WORK NEXT _____ MILES	<u>G20-1</u> Conventional 36" X 18" (900 mm X 450 mm) Freeway 48" X 24" (1,200 mm X 600 mm)	On main line upstream of project in each direction
END ROAD WORK	<u>G20-2</u> Conventional 36" X 18" (900 mm X 450 mm) Freeway 48" X 24" (1,200 mm X 600 mm)	On main line after end of project in each direction
ROAD WORK 500 FT.	<u>W20-1</u> Conventional 36" X 36" (900 mm X 900 mm) Freeway 48" X 48" (1,200 mm X 1,200 mm)	On main line 500 feet in advance of project in each direction and on major intersecting roads 300-500 feet in advance of main line. Signs should be covered if in conflict with temporary signing in the vicinity.
DO NOT PASS	<u>R4-1</u> Conventional 24" X 30" (600 mm X 750 mm)	Spaced every 1,000 feet along project in each direction (if centerline tracks are used instead of temporary pavement markings)
NO CENTER STRIPE	<u>W8-12</u> Conventional 36" X 36" (900 mm X 900 mm)	On mainline spaced every 2 miles along project in each direction and after every major intersecting road (if centerline tracks are used instead of temporary pavement markings)

Major intersecting roads are defined as through State, County, Town, Village, or City roads. The contractor may provide portable signs as shown in Figure 6F-2 of the MUTCD and meeting the requirements of Section 619 of the Standard Specifications for lane closures during work hours.

With prior permission of the State's Resident Engineer or political subdivision's representative, the vendor may provide portable signs as shown in Figure 6F-2 for the above referenced DO NOT PASS and NO CENTER STRIPE signs. Signs left active at night shall be rigid and reflectorized in accordance with the Standard Specifications. The vendor shall be responsible for assuring that these signs will be in their upright, visible positions twenty-four hours a day.

The contractor shall install and maintain temporary pavement markings on any paved surface without permanent pavement markings before opening it to traffic, before nightfall or before the end of the work day, whichever comes soonest except for areas that are open during the work shift with channelizing devices or flaggers. Temporary pavement markings shall meet the requirements of Section 619 of the Standard Specifications. As indicated in Section 619-3.06 C., two-lane, two way highways may be left unmarked for a maximum of 3 calendar days provided that NO CENTER STRIPE (W8-12) and DO NOT PASS (R4-1) signs are used in conjunction with centerline tracks installed on a 40 foot cycle to delineate the centerline location at no additional cost to the state.

All costs for work zone traffic control including flagging, pavement marking, and construction signs are included in the prices per square yard for optional work zone traffic control.

(continued)

OPTIONAL WORK ZONE TRAFFIC CONTROL: (Cont'd)

Additional Flaggers for Work Zone Traffic Control

If the engineer or agency authorized individual determines that more than 3 flaggers are necessary to properly control traffic on two-way roadways or more than two flaggers are necessary to properly control traffic on one-way roadways and the vendor is responsible for work zone traffic control under this Contract Award Notification, the vendor shall provide additional flaggers under the Additional Flaggers item. The price per flagger per day includes all costs of providing a flagger where directed by the engineer or agency authorized individual with all the necessary safety equipment, i.e. stop/slow paddle, flag, vest, hardhat, etc. Payment shall be by the day for each flagger provided. A day shall be determined as including the time period between the commencement and completion of work on any calendar day. No extra payment shall be provided if the vendor elects to work a longer day than the standard eight-hour work day. Payment shall be made to the nearest quarter day as determined by the engineer or agency authorized individual.

Optional Pilot Vehicles with Drivers

If required by the engineer or agency authorized individual, the vendor shall provide sufficient two-way radio equipped pilot vehicles with drivers to guide traffic around the quick-set slurry seal work zone at a maximum of 20 miles per hour. Payment shall be by the day for each pilot vehicle with driver provided. A day shall be determined as including the time period between the commencement and completion of work on any calendar day. No extra payment shall be provided if the vendor elects to work a longer day than the standard eight hour work day. Payment shall be made to the nearest quarter day as determined by the engineer or agency authorized individual.

The pilot vehicles shall be equipped with construction signs meeting the requirements of Section 6F.54 of the MUTCD:

SIGN	MINIMUM SIZE	LOCATION
PILOT VEHICLE FOLLOW ME	<u>G20-4</u> 36" X 18" (900 mm X 450 mm)	On the back of the pilot vehicle

The pilot vehicles shall have the name of the vendor prominently displayed.

Optional Additional Construction Signs

If the engineer or agency authorized individual determines that more permanent construction signs are necessary than those called out under the Optional Work Zone Traffic Control section and the vendor is responsible for work zone traffic control under this Contract Award Notification, the vendor shall provide additional construction signs under the Optional Additional Construction Signs item. Optional Additional Construction Signs shall be as specified in Sections 619-1 through 619-3 of the Standard Specifications and/or in the MUTCD, or as specified by the engineer or agency authorized individual. The price per square foot includes all costs of providing the signs as indicated by the engineer or agency authorized individual, the sign supports, installation and removal at locations ordered by the engineer or agency authorized individual. Payment shall be made by the square foot of construction sign face, computed to the nearest tenth of a square foot.

Abrading Existing Pavement Markings with Work Zone Traffic Control by the Owner:

If the vendor, with the concurrence of the Resident Engineer or agency authorized individual, determines that it is necessary for the performance of the conventional or rubber modified paver placed surface treatment, the vendor shall abrade the existing pavement markings so that at least 75% of the glass beads in the existing pavement markings are removed. The method of abrading may include sand blasting, water blasting, grinding, or other method approved by the engineer or agency authorized individual. Care shall be taken to avoid damage to passing traffic. All damage to passing traffic caused by the vendor's operations shall be the vendor's responsibility. Traffic will be controlled by the owner.

Payment will be made by the linear foot of pavement marking 4 inches wide. Payment for pavement markings wider than 4 inches or for pavement marking symbols will be made by the following method:

$$\frac{\text{Width of marking (inches)} \times \text{Linear Feet}}{4 \text{ inches}}$$

The price for pavement marking abrading includes all labor, materials, and equipment required to abrade the existing pavement markings to the satisfaction of the engineer or agency authorized individual.

(continued)

OPTIONAL WORK ZONE TRAFFIC CONTROL: (Cont'd)

Abrading Existing Pavement Markings with Work Zone Traffic Control by the Vendor:

If the vendor, with the concurrence of the Resident Engineer or agency authorized individual, determines that it is necessary for the performance of the conventional or rubber modified paver placed surface treatment, the vendor shall abrade the existing pavement markings so that at least 75% of the glass beads in the existing pavement markings are removed. The method of abrading may include sand blasting, water blasting, grinding, or other methods approved by the engineer or agency authorized individual. Care shall be taken to avoid damage to passing traffic. All damage to passing traffic caused by the vendor's operations shall be the vendor's responsibility. Traffic will be controlled by the vendor.

The vendor shall place temporary pavement markings as specified elsewhere in this Contract Award Notification under optional work zone traffic control, unless the conventional or rubber modified paver placed surface treatment will be placed the same day as pavement markings are abraded. During the pavement markings abrading operation, traffic will be controlled by the vendor in accordance with the MUTCD. The vendor shall submit a proposed Traffic Control Plan to the engineer or agency authorized individual for approval. The plan may be based on the Work Zone Traffic Control drawings included in this Contract Award Notification.

Payment will be made by the linear yard of pavement marking 4 inches wide. Payment for pavement markings wider than 4 inches or for pavement marking symbols will be made by the following method:

$$\frac{\text{Width of marking (inches)} \times \text{Linear Feet}}{4 \text{ inches}}$$

The price for pavement marking abrading includes all labor, materials, and equipment required to abrade the existing pavement markings and to properly control traffic to the satisfaction of the engineer or agency authorized individual.

As a part of the Department of Transportation's Work Zone Intrusion Initiative, the following countermeasures shall apply to this Contract Award Notification.

Channelizing Device Spacing Reduction:

A maximum channelizing device spacing of 40 feet shall be provided at stationary work sites where workers are exposed to traffic. This spacing shall be maintained a reasonable distance upstream of workers, and shall be used throughout the work zone.

Where tapers are located less than 500 feet from the work site (1,000 feet for high speeds) the 40 foot spacing shall be used in the taper as well.

Drums or vertical panels are preferred for long-term and intermediate term stationary work zones, and at any locations where the risk of intrusion is high. Traffic cones are normally adequate for work zones set up and removed on a daily basis.

In long lane or shoulder closures, at least two channelizing devices shall be placed transversely at maximum 800 foot intervals to discourage traffic from driving through the closed lane.

Frequent checks shall be made to reset channelizing devices dislodged by traffic.

Flagger Station Enhanced Setups:

Additional cones and a flag tree meeting the requirements of Section 6F.57 of the MUTCD shall be used upstream of flagger stations to provide added warning to drivers. These devices shall be used for flagger stations except those that are constantly moving or are in use at one location or no more that a few minutes. If the W20-7a Flagger sign is used, the additional cones and flag tree shall also be used.

For additional details on Flagger Enhanced Setups, see Work Zone Traffic Control drawings in this Contract Award Notification.

(continued)

DETAILED SPECIFICATIONS

18403.221102	Paver Placed Surface Treatment Type A, F1
18403.221202	Paver Placed Surface Treatment Type A, F2
18403.221302	Paver Placed Surface Treatment Type A, F3
18403.222102	Paver Placed Surface Treatment Type B, F1
18403.222202	Paver Placed Surface Treatment Type B, F2
18403.222302	Paver Placed Surface Treatment Type B, F3
18403.223102	Paver Placed Surface Treatment Type C, F1
18403.223202	Paver Placed Surface Treatment Type C, F2
18403.223302	Paver Placed Surface Treatment Type C, F3

DESCRIPTION

Paver Placed Surface Treatment consists of a polymer modified asphalt emulsion coat followed immediately with a thin hot mix asphalt wearing course.

MATERIALS

- A. Mix Designs.** Formulate a job mix formula that satisfies the design limits listed in Table 1- Mixture Requirements and submit it to the Regional Materials Engineer for approval. Quality Adjustment Factors do not apply for this item.

TABLE 1 - MIXTURE REQUIREMENTS⁽¹⁾

Sieve Sizes (in)	Type A		Type B		Type C	
	Design Limits % Passing	Production Tolerance %	Design Limits % Passing	Production Tolerance %	Design Limits % Passing	Production Tolerance %
3/4					100	
1/2			100		85 - 100	± 4
3/8	100		85 - 100	± 4	60 - 90	± 4
1/4	85 - 100	± 4	30 - 55	± 4	30 - 55	± 4
No. 4	40 - 60	± 3	24 - 45	± 3	24 - 45	± 3
No. 8	21 - 37	± 3	21 - 37	± 3	21 - 37	± 3
No. 16	16 - 26	± 3	16 - 26	± 3	16 - 26	± 3
No. 30	12 - 20	± 2	12 - 20	± 2	12 - 20	± 2
No. 50	8 - 16	± 2	8 - 16	± 2	8 - 16	± 2
No. 100	5 - 10	± 2	5 - 10	± 2	5 - 10	± 2
No. 200	5 - 7	± 2	5 - 7	± 2	5 - 7	± 2
% PG Binder	4.9 - 5.3		4.8 - 5.2		4.8 - 5.2 ⁽²⁾	

⁽¹⁾ All aggregate percentages are based on total mass of aggregate.

⁽²⁾ The Director, Materials Bureau, will evaluate Type C designs with asphalt binder percentages between 5.2% and 5.4% at the Contractors request.

- B. Aggregate.** §401-2.02 except as modified herein. Use coarse aggregate with a minimum coarse-aggregate angularity (CAA) of 90% one fractured face and 85% two fractured faces.

Refer to Chapter 6 of the NYSDOT Comprehensive Pavement Design Manual for selection of appropriate friction requirements: F1, F2 or F3.

(continued)

DETAILED SPECIFICATIONS (Cont'd)

MATERIALS (Cont'd)

1. Coarse Aggregate Type F1 Conditions.

- a. Limestone, dolomite or a blend of the two, having an acid-insoluble residue content of not less than 20.0%.
- b. Sandstone, granite, chert, traprock, ore tailings, slag or other similar non-carbonate materials.
- c. Gravel, or a natural or manufactured blend of the following types of materials: limestone, dolomite, gravel, sandstone, granite, chert, traprock, ore tailings, slag, or other similar materials meeting the following requirements:

Type A Mixes – Noncarbonate plus No. 8 particles must comprise a minimum of 30.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 95.0% of plus No. 4 particles must be noncarbonate.

Type B Mixes – Noncarbonate plus 1/8 inch particles must comprise a minimum of 30.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 95.0% of plus No. 4 particles must be noncarbonate.

Type C Mixes – Noncarbonate plus 1/8 inch particles must comprise a minimum of 30.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 95.0% of plus 3/8 inch particles must be noncarbonate.

2. Coarse Aggregate Type F2 Conditions.

- a. Limestone, dolomite or a blend of the two having an acid insoluble residue content of not less than 20.0%.
- b. Sandstone, granite, chert, traprock, ore tailings, slag or other similar non-carbonate materials.
- c. Gravel, or a natural or manufactured blend of the following types of materials: limestone, dolomite, gravel, sandstone, granite, chert, traprock, ore tailings, slag, or other similar materials, meeting the following requirements:

Type A Mixes – Noncarbonate plus No. 8 particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus No. 4 particles must be noncarbonate.

Type B Mixes – Noncarbonate plus 1/8 inch particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus No. 4 particles must be noncarbonate.

Type C Mixes – Noncarbonate plus 1/8 inch particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus 3/8 inch particles must be noncarbonate.

3. Coarse Aggregate Type F3 Conditions.

- a. Limestone, or a blend of limestone and dolomite having an acid insoluble residue content of not less than 20.0%.
- b. Dolomite.
- c. Sandstone, granite, chert, traprock, ore tailings, slag or other similar non-carbonate materials.
- d. Gravel, or a natural or manufactured blend of the following types of materials: limestone, dolomite, gravel, sandstone, granite, chert, traprock, ore tailings, slag, or other similar materials, meeting the following requirements:

Type A Mixes – Noncarbonate plus No. 8 particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus No. 4 particles must be noncarbonate.

Type B Mixes – Noncarbonate plus 1/8 inch particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus No. 4 inch particles must be noncarbonate.

(continued)

DETAILED SPECIFICATIONS (Cont'd)

MATERIALS (Cont'd)

3. Coarse Aggregate Type F3 Conditions. (Cont'd)

Type C Mixes – Noncarbonate plus 1/8 inch particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus 3/8 inch particles must be noncarbonate.

4. Additional Coarse Aggregate Requirements. Coarse aggregate must also meet the requirements listed in Table 2 - Coarse Aggregate Properties.

TABLE 2 - COARSE AGGREGATE PROPERTIES

Property	Method	Requirement
LA Abrasion Coefficient, maximum % loss	AASHTO T 96	25
Maximum Flakiness Index	NFP 18-561	20
Maximum Flakiness Coefficient (G/E) ⁽¹⁾	NFP 18-561	1.58
Maximum percent passing No. 30, %	AASHTO T 11, T 27	2

⁽¹⁾ Where G is the smallest square opening the particle can pass through and E is the smallest slot the particle can pass through.

It is recommended that the coarse aggregate portion (plus No. 8 inch material) meet the gradation requirements given in Table 3 - Recommended Coarse Aggregate Gradation.

TABLE 3 - RECOMMENDED COARSE AGGREGATE GRADATION

Screen Size (in)	Type A (% Passing)	Type B (% Passing)	Type C (% Passing)
3/4	–	–	100
1/2	–	100	85 - 100
3/8	100	85 - 100	25 - 50
1/4	85 - 100	0 - 15	0 - 15
No. 4	25 - 50	0 - 3	0 - 3
No. 8	0 - 3	0	0

5. Fine Aggregate. Use 100% screenings, free from deleterious materials and manufactured from sources of stone or slag meeting the requirements of §703-02, Coarse Aggregate, having a minimum sand equivalent of 60%, as determined by AASHTO T 176, “Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test.” It is recommended that the fine aggregate portion (minus No. 4 material) meet the gradation requirements given in Table 4 - Recommended Fine Aggregate Gradation

TABLE 4 - RECOMMENDED FINE AGGREGATE GRADATION

Sieve Size (in)	Percent Passing
No. 4	100
No. 8	90 - 100
No. 16	60 - 80
No. 30	45 - 60
No. 50	30 - 40
No. 100	20 - 30
No. 200	15 - 25

(continued)

DETAILED SPECIFICATIONS (Cont'd)

MATERIALS (Cont'd)

- C. **Mineral Filler.** § 703-08, Mineral Filler.
- D. **Asphalt Binder.** §401-2.04 Performance-Graded Binder. Use the appropriate performance graded binder for the project's location.
- E. **Polymer Modified Asphalt Emulsion.** § 702 - Bituminous Materials, CRS-1p, Item 702-4701.
- F. **Equipment.**
1. **Paving.** Use a self-priming paver appearing on the Department's Approved List. The self-priming paver must be capable of spraying the polymer modified asphalt emulsion, applying the hot mix asphalt overlay and smoothing the surface of the mat in one pass at a rate of at least 30 feet/minute. The self-priming paver must be equipped with a receiving hopper, feed conveyor, emulsion storage tank, metered high-pressure emulsion spray bar, and a variable width, heated screed. The screed must have the ability to be crowned at the center both positively and negatively and have vertically adjustable extensions to accommodate the desired pavement profile. Make equipment approval requests to the Director, Materials Bureau, at least 30 days before the start of work.
 2. **Compaction.** Use steel wheeled double drum rollers weighing at least 10 tons, equipped with functioning water systems and scrapers to prevent material from adhering to the roller drums.
 3. **Hauling.** Use vehicles that meet § 402-3.03, Hauling Equipment, to transport the hot mix asphalt wearing course.

CONSTRUCTION DETAILS

- A. **Hot Mix Production.** The requirements of §401-3, Construction Details apply with the following modifications. If a test value for any sieve varies from the target value by more than the production tolerance given in Table 1 - Mixture Requirements, the Regional Materials Engineer will evaluate the material represented by that test to determine acceptability.

A delivery ticket must accompany each vehicle supplying HMA. Make one legible copy of the delivery ticket available to the State's paving inspector prior to placement of the mixture. Each delivery ticket shall show all of the following information:

- A. Ticket number.
 - B. Plant identification.
 - C. Contract number.
 - D. Mix type (A, B, or C), friction requirement (F1, F2 or F3), and performance-graded binder.
 - E. Quantity of material in delivery vehicle.
 - F. Date and time.
- B. **Surface Preparation.** Perform all surface preparation prior to applying the wearing course.
1. Thoroughly clean the entire area to be overlaid. The surface of the area to be overlaid must be free of dirt, oil, and other foreign materials. Remove all debris and standing water. A damp surface is acceptable if favorable weather conditions are expected during paving operations.
 2. Cover all manhole covers, water boxes, catch basins, and other such utility structures within the area to be paved with plastic, building felt, or other material approved by the Engineer. Reference each for location and adjustment after paving. Remove the covers each day.
 3. Abrade pavement markings in accordance with contract documents.
- C. **Application.** The requirements of § 402-3.01, Weather and Seasonal Limitations apply, except as modified herein. Placement may begin if the surface temperature is at least 45° F and rising.
1. Apply the polymer modified asphalt emulsion at a temperature of 140 - 175° F. Provide a uniform application across the entire width to be overlaid, at a rate of 0.15 - 0.25 gallons/square yard. Continuously monitor the spray rate.
 2. No equipment shall come in contact with the polymer modified asphalt emulsion before the hot mix asphalt wearing course is applied.
 3. Immediately after applying the polymer modified asphalt emulsion, apply the hot mix asphalt overlay across the full width of the emulsion at a temperature of 290 - 325° F.

(continued)

DETAILED SPECIFICATIONS (Cont'd)

4. Apply the hot mix asphalt at a rate within the appropriate application range, listed in Table 5. The finished treatment has a minimum thickness of 1/2 inch for Type A, and 5/8 inch for Types B and C.
5. Paver Placed Surface Treatment shall not be applied to freshly placed concrete surfaces. Concrete surfaces must cure for a minimum of 90 days before being overlaid.

Table 5 - Wearing Course Application Ranges

Type	Minimum (lb/yd ²)	Maximum (lb/yd ²)
A	55	65
B	60	70
C	65	75

- D. Compaction.** Begin compaction immediately after application of the wearing course. Use a minimum of two static passes. Avoid using vibratory compaction. The roller(s) will not be allowed to stop on the freshly placed wearing course. Use an adequate number of rollers to complete compaction before the pavement temperature falls below 185° F. Protect the wearing course from traffic until the rolling operation is complete and the material has cooled sufficiently to resist damage.
- E. Paver and Equipment Cleaning.** The requirement of § 402-3.12, Paver and Equipment Cleaning apply.
- F. Coring.** The Engineer will require four cores from each section of compacted paver placed surface treatment applied below the appropriate minimum application rate listed in Table 5. The Engineer will randomly locate the four core locations. The Engineer will determine the thickness of the paver placed surface treatment and reject sections not meeting the required minimum thickness.

The Engineer may require four cores from each section of compacted paver placed surface treatment exceeding the appropriate maximum application rate, listed in Table 5, to determine the thickness of the paver placed surface treatment. The Engineer may stop paving operations immediately if the over application of the paver placed surface treatment will create problems, such as, but not limited to, reducing overhead clearance, curb reveal or guiderail height. The Engineer and Vendor will agree upon and document a maximum application rate and maximum thickness to prevent problems created by over applying the paver placed surface treatment. The Engineer will reject any additional paver placed surface treatment sections determined to exceed the maximum agreed upon application rate and thickness.

Coring is not required for sections paved within the appropriate application range, listed in Table 5 - Wearing Course Application Ranges.

All labor, materials and equipment associated with required pavement coring, including maintenance and protection of traffic and filling core holes, will be done at the Vendor's expense.

(continued)

DETAILED SPECIFICATIONS

18403.221102R	Rubber Modified Paver Placed Surface Treatment Type A, F1
18403.221202R	Rubber Modified Paver Placed Surface Treatment Type A, F2
18403.221302R	Rubber Modified Paver Placed Surface Treatment Type A, F3
18403.222102R	Rubber Modified Paver Placed Surface Treatment Type B, F1
18403.222202R	Rubber Modified Paver Placed Surface Treatment Type B, F2
18403.222302R	Rubber Modified Paver Placed Surface Treatment Type B, F3
18403.223102R	Rubber Modified Paver Placed Surface Treatment Type C, F1
18403.223202R	Rubber Modified Paver Placed Surface Treatment Type C, F2
18403.223302R	Rubber Modified Paver Placed Surface Treatment Type C, F3

DESCRIPTION

Rubber Modified Paver Placed Surface Treatment consists of a polymer modified asphalt emulsion coat followed immediately with a rubber modified thin hot mix asphalt wearing course.

MATERIALS

- A. **Mix Designs.** Formulate a job mix formula that satisfies the design limits listed in Table 1- Mixture Requirements and submit it to the Regional Materials Engineer for approval. Quality Adjustment Factors do not apply for this item.

TABLE 1 - MIXTURE REQUIREMENTS⁽¹⁾

Sieve Sizes (in)	Type A		Type B		Type C	
	Design Limits % Passing	Production Tolerance %	Design Limits % Passing	Production Tolerance %	Design Limits % Passing	Production Tolerance %
3/4					100	
1/2			100		85 - 100	± 4
3/8	100		85 - 100	± 4	60 - 90	± 4
1/4	85 - 100	± 4	30 - 55	± 4	30 - 55	± 4
No. 4	40 - 60	± 3	24 - 45	± 3	24 - 45	± 3
No. 8	21 - 37	± 3	21 - 37	± 3	21 - 37	± 3
No. 16	16 - 26	± 3	16 - 26	± 3	16 - 26	± 3
No. 30	12 - 20	± 2	12 - 20	± 2	12 - 20	± 2
No. 50	8 - 16	± 2	8 - 16	± 2	8 - 16	± 2
No. 100	5 - 10	± 2	5 - 10	± 2	5 - 10	± 2
No. 200	5 - 7	± 2	5 - 7	± 2	5 - 7	± 2
% PG Binder	5.8 – 6.4		5.8 – 6.4		5.8 – 6.4	

- (1) All aggregate percentages are based on total mass of aggregate.
 (2) Gradation data for Design / Monitoring shall be determined by AASHTO T 27 and AASHTO T 11

- B. **Aggregate.** §401-2.02 except as modified herein. Use coarse aggregate with a minimum coarse-aggregate angularity (CAA) of 90% one fractured face and 85% two fractured faces.

Refer to Chapter 6 of the NYSDOT Comprehensive Pavement Design Manual for selection of appropriate friction requirements: F1, F2 or F3.

1. Coarse Aggregate Type F1 Conditions.

- a. Limestone, dolomite or a blend of the two, having an acid-insoluble residue content of not less than 20.0%.
- b. Sandstone, granite, chert, traprock, ore tailings, slag or other similar non-carbonate materials.

(continued)

DETAILED SPECIFICATIONS (Cont'd)

MATERIALS (Cont'd.)

1. Coarse Aggregate Type F1 Conditions. (Cont'd)

- c. Gravel, or a natural or manufactured blend of the following types of materials: limestone, dolomite, gravel, sandstone, granite, chert, traprock, ore tailings, slag, or other similar materials meeting the following requirements:

Type A Mixes – Noncarbonate plus No. 8 inches particles must comprise a minimum of 30.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 95.0% of plus No. 4 inches particles must be noncarbonate.

Type B Mixes – Noncarbonate plus No. 60 inches particles must comprise a minimum of 30.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 95.0% of plus No. 4 inches particles must be noncarbonate.

Type C Mixes – Noncarbonate plus No. 60 inches particles must comprise a minimum of 30.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 95.0% of plus 3/8 inches particles must be noncarbonate.

2. Coarse Aggregate Type F2 Conditions.

- a. Limestone, dolomite or a blend of the two having an acid insoluble residue content of not less than 20.0%.
b. Sandstone, granite, chert, traprock, ore tailings, slag or other similar non-carbonate materials.
c. Gravel, or a natural or manufactured blend of the following types of materials: limestone, dolomite, gravel, sandstone, granite, chert, traprock, ore tailings, slag, or other similar materials, meeting the following requirements:

Type A Mixes – Noncarbonate plus No. 8 inches particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus No. 4 inches particles must be noncarbonate.

Type B Mixes – Noncarbonate plus No. 60 inches particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus No. 4 inches particles must be noncarbonate.

Type C Mixes – Noncarbonate plus No. 60 inches particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus 3/8 inches particles must be noncarbonate.

3. Coarse Aggregate Type F3 Conditions.

- a. Limestone, or a blend of limestone and dolomite having an acid insoluble residue content of not less than 20.0%.
b. Dolomite.
c. Sandstone, granite, chert, traprock, ore tailings, slag or other similar non-carbonate materials.
d. Gravel, or a natural or manufactured blend of the following types of materials: limestone, dolomite, gravel, sandstone, granite, chert, traprock, ore tailings, slag, or other similar materials, meeting the following requirements:

Type A Mixes – Noncarbonate plus No. 8 inches particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus No. 4 inches particles must be noncarbonate.

Type B Mixes – Noncarbonate plus No. 60 inches particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus No. 4 inches particles must be noncarbonate.

Type C Mixes – Noncarbonate plus No. 60 inches particles must comprise a minimum of 10.0% of the total aggregate (by weight with adjustments to equivalent volumes for materials of different specific gravities). Additionally, a minimum of 20.0% of plus 3/8 inches particles must be noncarbonate.

(continued)

DETAILED SPECIFICATIONS (Cont'd)

MATERIALS (Cont'd.)

4. **Additional Coarse Aggregate Requirements.** Coarse aggregate must also meet the requirements listed in Table 2 - Coarse Aggregate Properties.

TABLE 2 - COARSE AGGREGATE PROPERTIES

Property	Method	Requirement
LA Abrasion Coefficient, maximum % loss	AASHTO T 96	25
Maximum Flakiness Index	NFP 18-561	20
Maximum Flakiness Coefficient (G/E) ⁽¹⁾	NFP 18-561	1.58
Maximum percent passing No. 30, %	AASHTO T 11, T 27	2

⁽¹⁾ Where G is the smallest square opening the particle can pass through and E is the smallest slot the particle can pass through.

- C. **Mineral Filler.** § 703-08, Mineral Filler.

- D. **Asphalt Binder.** The rubber-modified binder shall consist of a blend of Performance-Graded Binder and crumb rubber meeting the following specification for Terminal Blend Crumb Rubber or the specification for ASTM D-6114 for Asphalt Rubber Binder Table I, Type II. The Performance Graded Binder (PGB) shall conform to 702-5828, 702-6422 or 702-6428.

1. Terminal Blend Crumb Rubber (TBR). The percent of crumb rubber shall be 12% (+/-3%) by total weight of reacted PGB and ground rubber. The rubber shall conform to ASTM D6114, section 3.2, Ground Recycled Tire Rubber, with the following additions:

The ground rubber shall be vulcanized rubber produced from the ambient temperature processing of scrap, pneumatic tires. The ground rubber shall meet the following gradations:

Sieve Size	% Passing
No. 30	100
No. 40	45-100

The use of rubber of multiple types from multiple sources is acceptable provided that the overall blend of rubber meets the gradation requirements. The rubber shall be accepted by certification from the rubber supplier.

Physical Requirements for TBR Binder

	min	max
Penetration @ 77°F, 100g, 5s:	30	75
Softening Point °F (Test Method D 36)	130	-
Elastic Recovery @ 50°F (ASTM D6084)	65	-

2. Asphalt Rubber Binder (ARB). The ARB shall be blended and interacted to conform to ASTM D6114 Table 1, Type II.

Anti-stripping Agent. If required, an anti-stripping agent that is heat stable and approved for use by the Agency shall be incorporated into the rubber-modified binder at the dosage required by the job-mix formula (up to 1.0% by weight of PGB). It shall be added to the PGB prior to blending with the ground rubber.

- E. **Polymer Modified Asphalt Emulsion.** § 702 - Bituminous Materials, CRS-1p, Item 702-4701.

(continued)

DETAILED SPECIFICATIONS (Cont'd)

MATERIALS (Cont'd.)

F. Equipment.

1. **Paving.** Use a self-priming paver appearing on the Department's Approved List. The self-priming paver must be capable of spraying the polymer modified asphalt emulsion, applying the hot mix asphalt overlay and smoothing the surface of the mat in one pass at a rate of at least 30 feet/minute. The self-priming paver must be equipped with a receiving hopper, feed conveyor, emulsion storage tank, metered high-pressure emulsion spray bar, and a variable width, heated screed. The screed must have the ability to be crowned at the center both positively and negatively and have vertically adjustable extensions to accommodate the desired pavement profile. Make equipment approval requests to the Director, Materials Bureau, at least 30 days before the start of work.
2. **Compaction.** Use steel wheeled double drum rollers weighing at least 10 tons, equipped with functioning water systems and scrapers to prevent material from adhering to the roller drums.
3. **Hauling.** Use vehicles that meet § 402-3.03, Hauling Equipment, to transport the hot mix asphalt-wearing course.

CONSTRUCTION DETAILS

- A. Hot Mix Production.* The requirements of §401-3, Construction Details apply with the following modifications. If a test value for any sieve varies from the target value by more than the production tolerance given in Table 1 - Mixture Requirements, the Regional Materials Engineer will evaluate the material represented by that test to determine acceptability.

A delivery ticket must accompany each vehicle supplying HMA. Make one legible copy of the delivery ticket available to the State's paving inspector prior to placement of the mixture. Each delivery ticket shall show all of the following information:

- a. Ticket number.
- b. Plant identification.
- c. Contract number.
- d. Mix type (A, B, or C), friction requirement (F1, F2 or F3), and performance-graded binder.
- e. Quantity of material in delivery vehicle.
- f. Date and time.

- B. Surface Preparation.* Perform all surface preparation prior to applying the wearing course.

1. Thoroughly clean the entire area to be overlaid. The surface of the area to be overlaid must be free of dirt, oil, and other foreign materials. Remove all debris and standing water. A damp surface is acceptable if favorable weather conditions are expected during paving operations.
2. Cover all manhole covers, water boxes, catch basins, and other such utility structures within the area to be paved with plastic, building felt, or other material approved by the Engineer. Reference each for location and adjustment after paving. Remove the covers each day.
3. Abrade pavement markings in accordance with contract documents.

- C. Application.* The requirements of § 402-3.01, Weather and Seasonal Limitations apply, except as modified herein. Placement may begin if the surface temperature is at least 45°F and rising.

1. Apply the polymer modified asphalt emulsion at a temperature of 140 - 175°F. Provide a uniform application across the entire width to be overlaid, at a rate of 0.15 - 0.25 gallons/square yard. Continuously monitor the spray rate.
2. No equipment shall come in contact with the polymer modified asphalt emulsion before the hot mix asphalt wearing course is applied.
3. Immediately after applying the polymer modified asphalt emulsion, apply the hot mix asphalt overlay across the full width of the emulsion at a temperature of 290 - 325°F.

(continued)

DETAILED SPECIFICATIONS (Cont'd)

CONSTRUCTION DETAILS (Cont'd.)

C. Application (Cont'd.)

4. Apply the hot mix asphalt at a rate within the appropriate application range, listed in Table 5. The finished treatment has a minimum thickness of 1/2 inch for Type A, and 5/8 inch for Types B and C.
5. Paver Placed Surface Treatment shall not be applied to freshly placed concrete surfaces. Concrete surfaces must cure for a minimum of 90 days before being overlaid.

Table 5 - Wearing Course Application Ranges

Type	Minimum (lb/yd ²)	Maximum (lb/yd ²)
A	55	65
B	60	70
C	65	75

- D. *Compaction.*** Begin compaction immediately after application of the wearing course. Use a minimum of two static passes. Avoid using vibratory compaction. The roller(s) will not be allowed to stop on the freshly placed wearing course. Use an adequate number of rollers to complete compaction before the pavement temperature falls below 185°F. Protect the wearing course from traffic until the rolling operation is complete and the material has cooled sufficiently to resist damage.
- E. *Paver and Equipment Cleaning.*** The requirement of § 402-3.12, Paver and Equipment Cleaning apply.
- F. *Coring.*** The Engineer will require four cores from each section of compacted rubber modified paver placed surface treatment applied below the appropriate minimum application rate listed in Table 5. The Engineer will randomly locate the four core locations. The Engineer will determine the thickness of the rubber modified paver placed surface treatment and reject sections not meeting the required minimum thickness.

The Engineer may require four cores from each section of compacted rubber modified paver placed surface treatment exceeding the appropriate maximum application rate, listed in Table 5, to determine the thickness of the rubber modified paver placed surface treatment. The Engineer may stop paving operations immediately if the over application of the rubber modified paver placed surface treatment will create problems, such as, but not limited to, reducing overhead clearance, curb reveal or guide rail height. The Engineer and Vendor will agree upon and document a maximum application rate and maximum thickness to prevent problems created by over applying the rubber modified paver placed surface treatment. The Engineer will reject any additional rubber modified paver placed surface treatment sections determined to exceed the maximum agreed upon application rate and thickness.

Coring is not required for sections paved within the appropriate application range, listed in Table 5 - Wearing Course Application Ranges.

All labor, materials and equipment associated with required pavement coring, including maintenance and protection of traffic and filling core holes, will be done at the Vendor's expense.

(continued)

State of New York
Office of General Services
PROCUREMENT SERVICES GROUP
Contract Performance Report

Please take a moment to let us know how this contract award has measured up to your expectations. If reporting on more than one contractor or product, please make copies as needed. This office will use the information to improve our contract award, where appropriate. **Comments should include those of the product’s end user.**

Contract No.: _____ **Contractor:** _____

Describe Product* Provided (Include Item No., if available): _____

***Note:** “**Product**” is defined as a deliverable under any Bid or Contract, which may include commodities (including printing), services and/or technology. The term “Product” includes Licensed Software.

	Excellent	Good	Acceptable	Unacceptable
• Product meets your needs				
• Product meets contract specifications				
• Pricing				

CONTRACTOR

	Excellent	Good	Acceptable	Unacceptable
• Timeliness of delivery				
• Completeness of order (fill rate)				
• Responsiveness to inquiries				
• Employee courtesy				
• Problem resolution				

Comments: _____

 _____ (over)

Agency: _____ **Prepared by:** _____

Address: _____ **Title:** _____

Date: _____

Phone: _____

E-mail: _____

Please detach or photocopy this form & return by FAX to 518/474-2437 or mail to:

OGS PROCUREMENT SERVICES GROUP
 Customer Services, 37th Floor
 Corning 2nd Tower - Empire State Plaza
 Albany, New York 12242
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