



PROPOSAL SUBMITTED BY		
Contractor's Name		
Street	P.O. Box	
City	State	Zip Code

STATE OF ILLINOIS

COUNTY OF McHenry

Grafton Township, Illinois  
(Name of City, Village, Town or Road District)

- ESTIMATE OF COST
- SPECIFICATIONS
- PLANS
- MATERIAL PROPOSAL
- DELIVER AND INSTALL PROPOSAL
- CONTRACT PROPOSAL
- CONTRACT
- CONTRACT BOND



FOR THE IMPROVEMENT OF

2/28/2012 STREET NAME OR ROUTE NO. Various (2012 Road Program)

SECTION NO. 13-0000-01-GM

TYPES OF FUNDS DCEO Grant/ Township Funds

**For Municipal Projects**

Submitted/Approved/Passed \_\_\_\_\_ Date \_\_\_\_\_

Mayor  President of Board of Trustees  Municipal Official

**For County and Road District Projects**

Submitted/Approved 2-28-2012 Date \_\_\_\_\_

Jack Freund  
 Highway Commissioner

Submitted/Approved \_\_\_\_\_ Date \_\_\_\_\_

County Engineer/Superintendent of Highways

**Department of Transportation**

Released for bid based on limited review

Date \_\_\_\_\_

\_\_\_\_\_  
Regional Engineer

Concurrence in approval of award

Date \_\_\_\_\_

\_\_\_\_\_  
Regional Engineer



**RETURN WITH BID**

Route	<u>Various</u>
County	<u>McHenry</u>
Local Agency	<u>Grafton Township Road District</u>
Section	<u>13-0000-01-GM</u>

**Time and Place of Opening of Bids**

Sealed proposals for the improvement described below will be received at the office of Grafton Township Road District

10109 Vine Street Unit A, Huntley, Illinois 60142

until 2:00 o'clock P M., March 29, 2012 (address) Proposals will be opened and read publicly  
 at 2:01 o'clock P M., March 29, 2012 (date) at the office of Grafton Township Road District  
10109 Vine Street Unit A, Huntley, Illinois 60142 (date)  
 (address)

**Description of Work**

Name Grafton Township Road District (2012 Road Program) Length 9693.00 feet ( 1.84 miles)  
 Location Various Streets in Grafton Township  
 Proposed Improvement Hot In-Place Recycling (HIR) - Surface Recycling/ 1-1/2" HMA Overlay

**Bidders Instructions**

1. Plans and proposal forms will be available in the office of Trotter and Associates, 5415 Business Parkway, Ringwood, Illinois 60072. Upon presentation of Prequalification certificate and a non refundable fee of \$50. Contact Steve Cieslica @ 815-728-0068
2. If prequalification is required, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One copy shall be filed with the Awarding Authority and 2 copies with the IDOT District Office.
3. All proposals must be accompanied by a proposal guaranty as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals contained in the "Supplemental Specifications and Recurring Special Provisions".
4. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals contained in the "Supplemental Specifications and Recurring Special Provisions".
5. Bidders need not return the entire contract proposal when bids are submitted unless otherwise required. Portions of the proposal that must be returned include the following:
 

a. BLR 12210 - Contract Cover	f. BLR 12230 - Proposal Bid Bond (if applicable)
b. BLR 12220 - Notice to Bidders	g. BLR 12325 - Apprenticeship or Training Program Certification ( <b>do not use for federally funded projects</b> )
c. BLR 12221 - Contract Proposal	
d. BLR 12222 - Contract Schedule of Prices	
e. BLR 12223 - Signatures	
6. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.

7. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
8. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
9. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
10. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

By Order of

Grafton Township Road District

(Awarding Authority)

Jack Freund

Grafton Township Highway Commissioner

**Note:** All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

INDEX  
FOR  
SUPPLEMENTAL SPECIFICATIONS  
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2012

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS and frequently used RECURRING SPECIAL PROVISIONS.

SUPPLEMENTAL SPECIFICATIONS

Std. Spec. Sec.

Page No.

No Supplemental Specifications this year.

CHECK SHEET  
FOR  
RECURRING SPECIAL PROVISIONS

Adopted January 1, 2012

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

<u>CHECK SHEET #</u>	<u>RECURRING SPECIAL PROVISIONS</u>	<u>PAGE NO.</u>
1	<input type="checkbox"/> Additional State Requirements For Federal-Aid Construction Contracts (Eff. 2-1-69) (Rev. 1-1-10) .....	1
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts) (Eff. 1-1-88) (Rev. 5-1-93) .....	4
3	<input type="checkbox"/> EEO (Eff. 7-21-78) (Rev. 11-18-80) .....	5
4	<input type="checkbox"/> Specific Equal Employment Opportunity Responsibilities Non Federal-Aid Contracts (Eff. 3-20-69) (Rev. 1-1-94) .....	15
5	<input type="checkbox"/> Required Provisions - State Contracts (Eff. 4-1-65) (Rev. 1-1-12) .....	20
6	<input type="checkbox"/> Asbestos Bearing Pad Removal (Eff. 11-1-03) .....	25
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Hot-Mix Asphalt Surface Removal (Eff. 6-1-89) (Rev. 1-1-09) .....	26
8	<input type="checkbox"/> Haul Road Stream Crossings, Other Temporary Stream Crossings, and In-Stream Work Pads (Eff. 1-2-92) (Rev. 1-1-98) .....	27
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges (Eff. 1-1-99) (Rev. 1-1-07) .....	28
10	<input type="checkbox"/> Construction Layout Stakes (Eff. 5-1-93) (Rev. 1-1-07) .....	31
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing (Eff. 1-1-95) (Rev. 1-1-07) .....	34
12	<input type="checkbox"/> Subsealing of Concrete Pavements (Eff. 11-1-84) (Rev. 1-1-07) .....	36
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction (Eff. 11-1-87) (Rev. 1-1-09) .....	40
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing (Eff. 2-1-00) (Rev. 1-1-09) .....	42
15	<input type="checkbox"/> PCC Partial Depth Hot-Mix Asphalt Patching (Eff. 1-1-98) (Rev. 1-1-07) .....	43
16	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal (Eff. 10-1-95) (Rev. 1-1-07) .....	45
17	<input type="checkbox"/> Polymer Concrete (Eff. 8-1-95) (Rev. 1-1-08) .....	46
18	<input type="checkbox"/> PVC Pipeliner (Eff. 4-1-04) (Rev. 1-1-07) .....	48
19	<input type="checkbox"/> Pipe Underdrains (Eff. 9-9-87) (Rev. 1-1-07) .....	49
20	<input type="checkbox"/> Guardrail and Barrier Wall Delineation (Eff. 12-15-93) (Rev. 1-1-12) .....	50
21	<input type="checkbox"/> Bicycle Racks (Eff. 4-1-94) (Rev. 1-1-12) .....	54
22	<input type="checkbox"/> Temporary Modular Glare Screen System (Eff. 1-1-00) (Rev. 1-1-07) .....	56
23	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals (Eff. 8-1-03) (Rev. 1-1-07) .....	58
24	<input type="checkbox"/> Work Zone Public Information Signs (Eff. 9-1-02) (Rev. 1-1-07) .....	60
25	<input type="checkbox"/> Night Time Inspection of Roadway Lighting (Eff. 5-1-96) .....	61
26	<input type="checkbox"/> English Substitution of Metric Bolts (Eff. 7-1-96) .....	62
27	<input type="checkbox"/> English Substitution of Metric Reinforcement Bars (Eff. 4-1-96) (Rev. 1-1-03) .....	63
28	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete (Eff. 1-1-01) .....	64
29	<input type="checkbox"/> Portland Cement Concrete Inlay or Overlay for Pavements (Eff. 11-1-08) (Rev. 1-1-12)	65
30	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant (Eff. 8-1-00) (Rev. 1-1-11) .....	68
31	<input type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures (Eff. 4-1-92) (Rev. 1-1-11) .....	76

CHECK SHEET  
FOR  
LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Adopted January 1, 2012

The following LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

<u>CHECK SHEET #</u>		<u>PAGE NO.</u>
LRS 1	Reserved.....	89
LRS 2	<input type="checkbox"/> Furnished Excavation (Eff. 1-1-99) (Rev. 1-1-07).....	90
LRS 3	<input checked="" type="checkbox"/> Work Zone Traffic Control (Eff. 1-1-99) (Rev. 1-1-10).....	91
LRS 4	<input checked="" type="checkbox"/> Flaggers in Work Zones (Eff. 1-1-99) (Rev. 1-1-07).....	92
LRS 5	<input checked="" type="checkbox"/> Contract Claims (Eff. 1-1-02) (Rev. 1-1-07).....	93
LRS 6	<input checked="" type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals (Eff. 1-1-02) (Rev. 1-1-12).....	94
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals (Eff. 1-1-02) (Rev. 1-1-12).....	100
LRS 8	Reserved.....	106
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments (Eff. 1-1-99) (Rev. 1-1-11).....	107
LRS 10	Reserved.....	108
LRS 11	<input checked="" type="checkbox"/> Employment Practices (Eff. 1-1-99).....	109
LRS 12	<input type="checkbox"/> Wages of Employees on Public Works (Eff. 1-1-99) (Rev. 1-1-10).....	111
LRS 13	<input checked="" type="checkbox"/> Selection of Labor (Eff. 1-1-99)(Rev. 1-1-12).....	112
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks (Eff. 1-1-04) (Rev. 1-1-09).....	113
LRS 15	<input type="checkbox"/> Partial Payments (Eff. 1-1-07).....	116
LRS 16	<input type="checkbox"/> Protests on Local Lettings (Eff. 1-1-07).....	117
LRS 17	<input checked="" type="checkbox"/> Substance Abuse Prevention Program (Eff. 1-1-08)(Rev. 1-8-08).....	118



The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", Adopted January 1, 2012, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of 13-0000-01-GM, and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

Location of Project:

Adamson St. from Coyne Station Rd. West to the Township Boundary Line ( $\pm 6,161$  LF) HIR

Coyne Station Rd. from Ernest Rd. South ( $\pm 2,712$  LF) HIR and 1-1/2" HMA Overlay

Martin St. ( $\pm 410$  LF) 1-1/2" HMA Overlay.

John St. ( $\pm 410$  LF) 1-1/2" HMA Overlay.

BDE SPECIAL PROVISIONS  
For the April 27 and June 15, 2012 Lettings

The following special provisions indicated by an "x" are applicable to this contract and will be included by the Project Development and Implementation Section of the BD&E. An \* indicates a new or revised special provision for the letting.

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80240	1	Above Grade Inlet Protection	July 1, 2009	Jan. 1, 2012
80099	2	Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2007
80275	3	Agreement to Plan Quantity	Jan. 1, 2012	
* 80274	4	Aggregate Subgrade Improvement	April 1, 2012	
80192	5	Automated Flagger Assistance Device	Jan. 1, 2008	
80173	6	Bituminous Materials Cost Adjustments	Nov. 2, 2006	Jan. 1, 2012
80241	7	Bridge Demolition Debris	July 1, 2009	
80276	8	Bridge Relief Joint Sealer (NOTE: This special provision was previously named "Concrete Joint Sealer".)	Jan. 1, 2012	
50261	9	Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50481	10	Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50491	11	Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50531	12	Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
* 80291	13	Calcium Chloride Accelerator for Class PP-2 Concrete	April 1, 2012	
* 80292	14	Coarse Aggregate in Bridge Approach Slabs/Footings	April 1, 2012	
80198	15	Completion Date (via calendar days)	April 1, 2008	
80199	16	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
* 80293	17	Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	
* 80294	18	Concrete Box Culverts with Skews ≤ 30 Degrees Regardless of Design Fill and Skews > 30 Degrees with Design Fills > 5 Feet	April 1, 2012	
80277	19	Concrete Mix Design – Department Provided	Jan. 1, 2012	
80261	20	Construction Air Quality – Diesel Retrofit	June 1, 2010	
* 80237	21	Construction Air Quality – Diesel Vehicle Emissions Control	April 1, 2009	Jan. 2, 2012
80239	22	Construction Air Quality – Idling Restrictions	April 1, 2009	
80177	23	Digital Terrain Modeling for Earthwork Calculations	April 1, 2007	
80029	24	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Aug. 2, 2011
80272	25	Drainage and Inlet Protection Under Traffic	April 1, 2011	Jan. 1, 2012
* 80296	26	Errata for the 2012 Standard Specifications	April 1, 2012	
80228	27	✓ Flagger at Side Roads and Entrances	April 1, 2009	
80265	28	Friction Aggregate	Jan. 1, 2011	
80229	29	Fuel Cost Adjustment	April 1, 2009	July 1, 2009
80169	30	High Tension Cable Median Barrier	Jan. 1, 2007	April 1, 2009
* 80246	31	✓ Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	April 1, 2012
80109	32	Impact Attenuators	Nov. 1, 2003	Jan. 1, 2012
80110	33	Impact Attenuators, Temporary	Nov. 1, 2003	Jan. 1, 2012
80045	34	Material Transfer Device	June 15, 1999	Jan. 1, 2009
80203	35	Metal Hardware Cast into Concrete	April 1, 2008	Jan. 1, 2012
* 80297	36	Modified Urethane Pavement Marking	April 1, 2012	
80165	37	Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
80253	38	Movable Traffic Barrier	Jan. 1, 2010	Jan. 1, 2012
80231	39	Pavement Marking Removal	April 1, 2009	
* 80298	40	✓ Pavement Marking Tape Type IV	April 1, 2012	
80254	41	Pavement Patching	Jan. 1, 2010	
80022	42	✓ Payments to Subcontractors	June 1, 2000	Jan. 1, 2006
* 80290	43	Payrolls and Payroll Records	Jan. 2, 2012	
80278	44	Planting Woody Plants	Jan. 1, 2012	

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80279	45	Portland Cement Concrete	Jan. 1, 2012	
* 80299	46	Portland Cement Concrete Inlay or Overlay	April 1, 2012	
80280	47	Portland Cement Concrete Sidewalk	Jan. 1, 2012	
* 80300	48	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	
* 80218	49	Preventive Maintenance - Bituminous Surface Treatment	Jan. 1, 2009	April 1, 2012
* 80219	50	Preventive Maintenance - Cape Seal	Jan. 1, 2009	April 1, 2012
* 80220	51	Preventive Maintenance - Micro-Surfacing	Jan. 1, 2009	April 1, 2012
* 80221	52	Preventive Maintenance - Slurry Seal	Jan. 1, 2009	April 1, 2012
80281	53	Quality Control/Quality Assurance of Concrete Mixtures	Jan. 1, 2012	
34261	54	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	55	Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80172	56	Reclaimed Asphalt Pavement (RAP)	Jan. 1, 2007	Jan. 1, 2012
80282	57	Reclaimed Asphalt Shingles (RAS)	Jan. 1, 2012	
80283	58	Removal and Disposal of Regulated Substances	Jan. 1, 2012	
80224	59	Restoring Bridge Approach Pavements Using High-Density Foam	Jan. 1, 2009	Jan. 1, 2012
80271	60	Safety Edge	April 1, 2011	
* 80152	61	Self-Consolidating Concrete for Cast-in-Place Construction	Nov. 1, 2005	April 1, 2012
* 80132	62	Self-Consolidating Concrete for Precast and Precast Prestressed Products (NOTE: This special provision was previously named "Self-Consolidating Concrete for Precast Products")	July 1, 2004	April 1, 2012
80284	63	Shoulder Rumble Strips	Jan. 1, 2012	
80285	64	Sidewalk, Corner or Crosswalk Closure	Jan. 1, 2012	
80127	65	Steel Cost Adjustment	April 2, 2004	April 1, 2009
80255	66	Stone Matrix Asphalt	Jan. 1, 2010	Jan. 1, 2012
80143	67	Subcontractor Mobilization Payments	April 2, 2005	April 1, 2011
80075	68	Surface Testing of Pavements	April 1, 2002	Jan. 1, 2007
80286	69	Temporary Erosion and Sediment Control	Jan. 1, 2012	
80225	70	Temporary Raised Pavement Marker	Jan. 1, 2009	
80256	71	Temporary Water Filled Barrier	Jan. 1, 2010	Jan. 1, 2012
80287	72	Type G Inlet Box	Jan. 1, 2012	
80273	73	Traffic Control Deficiency Deduction	Aug. 1, 2011	
20338	74	Training Special Provisions	Oct. 15, 1975	
80270	75	Utility Coordination and Conflicts	April 1, 2011	Jan. 1, 2012
80288	76	Warm Mix Asphalt	Jan. 1, 2012	
80289	77	Wet Reflective Thermoplastic Pavement Marking	Jan. 1, 2012	
80071	78	Working Days	Jan. 1, 2002	

The following special provisions are either in the 2012 Standard Specifications, the 2012 Recurring Special Provisions, or the special provision Portland Cement Concrete:

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location</u>	<u>Effective</u>	<u>Revised</u>
80186	Alkali-Silica Reaction for Cast-in-Place Concrete	The special provision Portland Cement Concrete	Aug. 1, 2007	Jan. 1, 2009
80213	Alkali-Silica Reaction for Precast and Precast Prestressed Concrete	The special provision Portland Cement Concrete	Jan. 1, 2009	
80207	Approval of Proposed Borrow Areas, Use Areas, and/or Waste Areas	Article 107.22	Nov. 1, 2008	Nov. 1, 2010
80166	Cement	Section 1001	Jan. 1, 2007	April 1, 2011
80260	Certification of Metal Fabricator	Article 106.08	July 1, 2010	
80094	Concrete Admixtures	Section 1021 and the special provision Portland Cement Concrete	Jan. 1, 2003	April 1, 2009

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location</u>	<u>Effective</u>	<u>Revised</u>
80226	Concrete Mix Designs	The special provision Portland Cement Concrete	April 1, 2009	
80227	Determination of Thickness	Articles 353.12, 353.13, 353.14, 354.09, 355.09, 356.07, 407.10, 482.06, and 483.07	April 1, 2009	
80179	Engineer's Field Office Type A	Articles 670.02 and 670.07	April 1, 2007	Jan. 1, 2011
80205	Engineer's Field Office Type B	Articles 670.04 and 670.07	Aug. 1, 2008	Jan. 1, 2011
80189	Equipment Rental Rates	Articles 105.07 and 109.04	Aug. 2, 2007	Jan. 2, 2008
80249	Frames and Grates	Articles 609.02 and 609.04	Jan. 1, 2010	
80194	HMA – Hauling on Partially Completed Full-Depth Pavement	Article 407.08	Jan. 1, 2008	
80245	Hot-Mix Asphalt – Anti-Stripping Additive	Article 1030.04	Nov. 1, 2009	
80250	Hot-Mix Asphalt – Drop-Offs	Article 701.07	Jan. 1, 2010	
80259	Hot Mix Asphalt – Fine Aggregate	Articles 1003.01 and 1003.03	April 1, 2010	
80252	Improved Subgrade	Articles 302.04, 302.07, 302.08, 302.10, 302.11, 310.04, 310.08, 310.10, 310.11, and 311.05	Jan. 1, 2010	
80266	Lane Closure, Multilane, Intermittent or Moving Operation, for Speeds ≤ 40 MPH	Article 701.19	Jan. 1, 2011	Jan. 2, 2011
80230	Liquidated Damages	Article 108.09	April 1, 2009	April 1, 2011
80267	Long-Span Guardrail over Culvert	Articles 630.07 and 630.08	Jan. 1, 2011	
80262	Mulch and Erosion Control Blankets	Articles 251.03, 251.04, 251.06, 251.07, and 1081.06	Nov. 1, 2010	April 1, 2011
80180	National Pollutant Discharge Elimination System / Erosion and Sediment Control Deficiency Deduction	Article 105.03	April 1, 2007	Nov. 1, 2009
80208	Nighttime Work Zone Lighting	Section 702	Nov. 1, 2008	
80232	Pipe Culverts	Articles 542.03, 542.04, 542.11, and 1040.04	April 1, 2009	April 1, 2010
80263	Planting Perennial Plants	Section 254 and Article 1081.02	Jan. 1, 2011	
80210	Portland Cement Concrete Inlay or Overlay	Recurring CS #29	Nov. 1, 2008	
80217	Post Clips for Extruded Aluminum Signs	Article 1090.03	Jan. 1, 2009	
80268	Post Mounting of Signs	Article 701.14	Jan. 1, 2011	
80171	Precast Handling Holes	Articles 540.02, 540.06, 542.02, 542.04, 550.02, 550.06, 602.02, 602.07, and 1042.16	Jan. 1, 2007	
80015	Public Convenience and Safety	Article 107.09	Jan. 1, 2000	
80247	Raised Reflective Pavement Markers	Article 781.03	Nov. 1, 2009	April 1, 2010
80131	Seeding	Articles 250.07 and 1081.04	July 1, 2004	July 1, 2010
80264	Selection of Labor	Recurring CS #5	July 2, 2010	
80234	Storm Sewers	Articles 550.02, 550.03, 550.06, 550.07, 550.08, and 1040.04	April 1, 2009	April 1, 2010
80087	Temporary Erosion Control	Articles 280.02, 280.03, 280.04, 280.07, 280.08, and 1081.15	Nov. 1, 2002	Jan. 1, 2011
80257	Traffic Barrier Terminal, Type 6	Article 631.07	Jan. 1, 2010	
80269	Traffic Control Surveillance	Article 701.10	Jan. 1, 2011	
80258	Truck Mounted/Trailer Mounted Attenuators	Articles 701.03, 701.15, and 1106.02	Jan. 1, 2010	

File Name

Special Provision Title

New Location

Effective

Revised

The following special provisions require additional information from the designer. The additional information needs to be included in a separate document attached to this check sheet. The Project Development and Implementation section will then include the information in the applicable special provision. The Special Provisions are:

- Bridge Demolition Debris
- Building Removal-Case I
- Building Removal-Case II
- Building Removal-Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

All Regional Engineers

Charles J. Ingersoll

Special Provision for Flagger at Side Roads and Entrances

January 9, 2009

This special provision was developed by the Bureau of Construction to update the payment requirements for flaggers required at side roads and entrances remaining open to traffic. It should be inserted into contracts using Highway Design Standards 701201, 701306, 701336, or contracts with traffic control plans requiring flaggers at side roads and entrances remaining open to traffic.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 24, 2009 and subsequent lettings. The Project Development and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory  
January 9, 2009.

80228m

## **FLAGGER AT SIDE ROADS AND ENTRANCES (BDE)**

Effective: April 1, 2009

Revise the second paragraph of Article 701.13(a) of the Standard Specifications to read:

“The Engineer will determine when a side road or entrance shall be closed to traffic. A flagger will be required at each side road or entrance remaining open to traffic within the operation where two-way traffic is maintained on one lane of pavement. The flagger shall be positioned as shown on the plans or as directed by the Engineer.”

Revise the first and second paragraph of Article 701.20(i) of the Standard Specifications to read:

“Signs, barricades, or other traffic control devices required by the Engineer over and above those specified will be paid for according to Article 109.04. All flaggers required at side roads and entrances remaining open to traffic including those that are shown on the Highway Standards and/or additional barricades required by the Engineer to close side roads and entrances will be paid for according to Article 109.04.”

80228

All Regional Engineers

Scott E. Stitt

Special Provision for Hot-Mix Asphalt – Density Testing of  
Longitudinal Joints

January 13, 2012

This special provision was developed by the Bureau of Materials and Physical Research to improve the performance of longitudinal joints in HMA pavements. It has been revised to increase the minimum edge distance for the location of the density test and to include density requirements for HMA mixture IL-4.75.

It should be inserted in HMA contracts utilizing QC/QA.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 27, 2012 letting and subsequent lettings. The Project Development and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory  
January 13, 2012.

80246m

## HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE)

Effective: January 1, 2010

Revised: April 1, 2012

Description. This work shall consist of testing the density of longitudinal joints as part of the quality control/quality assurance (QC/QA) of hot-mix asphalt (HMA). Work shall be according to Section 1030 of the Standard Specifications except as follows.

Quality Control/Quality Assurance (QC/QA). Delete the second and third sentence of the third paragraph of Article 1030.05(d)(3) of the Standard Specifications.

Add the following paragraphs to the end of Article 1030.05(d)(3) of the Standard Specifications:

"Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 4 in. (100 mm), from each pavement edge. (i.e. for a 5 in. (125 mm) lift the near edge of the density gauge or core barrel shall be within 5 in. (125 mm) from the edge of pavement.) Longitudinal joint density testing shall be performed using either a correlated nuclear gauge or cores.

- a. Confined Edge. Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the Individual Test.
- b. Unconfined Edge. Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced ten feet apart longitudinally along the unconfined pavement edge and centered at the random density test location."

Revise the Density Control Limits table in Article 1030.05(d)(4) of the Standard Specifications to read:

"Mixture Composition	Parameter	Individual Test (includes confined edges)	Unconfined Edge Joint Density Minimum
IL-4.75	Ndesign = 50	93.0 – 97.4%	91.0%
IL-9.5, IL-12.5	Ndesign ≥ 90	92.0 – 96.0%	90.0%
IL-9.5, IL-9.5L, IL-12.5	Ndesign < 90	92.5 – 97.4%	90.0%
IL-19.0, IL-25.0	Ndesign ≥ 90	93.0 – 96.0%	90.0%
IL-19.0, IL-19.0L, IL-25.0	Ndesign < 90	93.0 – 97.4%	90.0%

SMA	Ndesign = 50 & 80	93.5 – 97.4%	91.0%
All Other	Ndesign = 30	93.0 - 97.4%	90.0%"

80246

All Regional Engineers

Scott E. Stitt

Special Provision for Pavement Marking Tape Type IV

January 13, 2012

This special provision was developed by the Bureau of Materials and Physical Research and Bureau of Operations to create a statewide specification for temporary pavement marking tape in work zones that provides for improved retroreflectivity during wet conditions.

It should be included in contracts where the use of this material has been approved by the Bureau of Materials and Physical Research.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 27, 2012 and subsequent lettings. The Project Development and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory  
January 13, 2012.

80298m

**PAVEMENT MARKING TAPE TYPE IV (BDE)**

Effective: April 1, 2012

Revise Article 703.02 of the Standard Specifications to read:

**703.02 Materials.** Materials shall be according to the following.

- (a) Pavement Marking Tape, Type I and Type III ..... 1095.06
- (b) Paint Pavement Markings ..... 1095.02
- (c) Pavement Marking Tape, Type IV ..... 1095.11"

Revise the second paragraph of Article 703.05 of the Standard Specifications to read:

"Type I marking tape or paint shall be used at the option of the Contractor, except paint shall not be applied to the final wearing surface unless authorized by the Engineer for late season applications where tape adhesion would be a problem. Type III or Type IV marking tape shall be used on the final wearing surface when the temporary pavement marking will conflict with the permanent pavement marking such as on tapers, crossovers and lane shifts."

Revise the third paragraph of Article 703.07 of the Standard Specifications to read:

"When Pavement Marking Tape, Type III or Pavement Marking Tape, Type IV is specified in the contract other than on a Standard, the work will be paid for at the contract unit price per foot (meter) for PAVEMENT MARKING TAPE, TYPE III or PAVEMENT MARKING TAPE, TYPE IV of the line width specified and at the contract unit price per square feet (square meter) for PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS or PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS."

Add the following to Section 1095 of the Standard Specifications:

**1095.11 Pavement Marking Tape, Type IV.** The temporary, preformed, patterned markings shall consist of a white or yellow tape with wet retroreflective media incorporated to provide immediate and continuing retroreflection during both wet and dry conditions. The tape shall be manufactured without the use of heavy metals including lead chromate pigments or other similar, lead-containing chemicals.

The white and yellow Type IV marking tape shall meet the Type III requirements of Article 1095.06 and the following.

- (a) Composition. The retroreflective pliant polymer pavement markings shall consist of a mixture of high-quality polymeric materials, pigments and glass beads distributed throughout its base cross-sectional area, with a layer of wet retroreflective media bonded to a durable polyurethane topcoat surface. The patterned surface shall have approximately 40% ± 10% of the surface area raised and presenting a near vertical face





















## **COMPLETION DATE**

This contract shall be completed by **JULY 13, 2012**; if the Contractor fails to complete the work by the above-specified time; liquidated damages will be charged in accordance with the provisions of Article 108.09 and shall be strictly adhered to.

## **WORK TO BE PERFORMED BY GRAFTON TOWNSHIP**

The Township may elect to perform the following work within their jurisdiction with their forces:

- Placement of aggregate shoulder.
- HMA Butt Joint Removal (Driveways)
- Pavement Patching
- Installation of permanent pavement markings

The Contractor shall cooperate with Grafton Township to the fullest extent possible with respect to the above work to be performed by Grafton Township. The contractor shall provide a minimum 7 days notice prior to the start of construction.

## **TRAFFIC CONTROL AND PROTECTION**

All roads shall be kept open to traffic. The Contractor should take particular note of the applicable portions of Article 107.14 of the Standard Specifications. All signs, except those referring to daily lane closures, shall be post mounted in accordance with Standard 701901 for all projects that exceed four-day duration. Construction signs referring to daytime lane closures during working hours shall be removed, covered or turned away from the view of the motorists during nonworking hours.

The Contractor shall furnish, erect, maintain and remove all signs, barricades, flaggers and other traffic control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be in accordance with the applicable parts of Section 701 of the Standard of Specifications, the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways and the Highway Standard contained herein.

Special attention is called to Article 107.09 and Section 701 of the Standard Specifications and the following Highways Standards, Supplemental Specifications, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions, and Special Provisions contained herein relating to traffic control.

Special attention is called to Article 107.09 and Section 701 of the Standard Specifications and the following Highways Standards, Supplemental Specifications, Details, Quality Standard for Work Zone Traffic control Devices, Recurring Special Provisions, and Special Provisions contained herein relating to traffic control.

## Standards

701011, 701301, 701311 and 701501

## Special Provisions

Maintenance of Roadways  
No Parking Signs  
Traffic Control Deficiency  
Fresh Oil Signs  
Work Zone Traffic Control (LRS#3)  
Flaggers in Work Zones (LRS#4)  
Personal Protection Equipment

The Contractor shall contact Grafton Township Road District at least 72 hours in advance of beginning work. Construction operations shall be conducted in a manner such that streets will be open to traffic at all times, and access to abutting property shall be maintained.

It will also be necessary for the Contractor to provide advance notice to residents, police, fire, school districts, and trash haulers when access to any street will be temporarily limited.

At the preconstruction meeting, the Contractor shall furnish the name and telephone number where he may be reached during non-working hours of the individual in his direct employ that is to be responsible for the installation and maintenance of the traffic control of this project. If the actual installation and maintenance are to be accomplished by a subcontractor, consent shall be requested of the Engineer at the time of the preconstruction meeting in accordance with Article 108.01 of the Standard Specifications. This shall not relieve the Contractor of the requirements to have a responsible individual in his direct employ supervise this work.

This work shall be paid for at the LUMP SUM price for TRAFFIC CONTROL AND PROTECTION and shall include all labor, materials and equipment necessary to successfully complete the work as described above.

## TRAFFIC CONTROL DEFICIENCY

The Contractor is expected to comply with the Standard Specifications, contract plans, and these Special Provisions concerning traffic control and protection. All traffic control devices shall be kept clean and neat appearing, and shall be replaced immediately if they become ineffective due to damage or defacement.

Failure to comply with the Standard Specifications, contract plans, or these Special Provisions concerning traffic control will result in a charge of **\$500 per day**, in addition, if the Contractor fails to respond, the Township may correct the deficiencies and all cost thereof will be deducted from monies due or which may become due the Contractor. This corrective action will in no way relieve the Contractor of his/her contractual requirements or responsibilities.

### **AGGREGATE SHOULDER, TYPE B**

This work shall be performed in accordance with applicable parts of Section 481 of the Standard Specifications. Materials shall be in conformance with applicable articles of Section 1004 of the Standard Specifications with the following exceptions:

Revise Article 1004.04 (c), paragraph 5 to read: " For granular aggregate shoulders, gradation CA-6 crushed gravel or crushed stone, shall be used."

The thickness of the shoulder shall equal the resurfacing thickness at the edge of pavement and will be tapered to 1" at the edge of the shoulder. The Contractor shall construct and compact the tapered shoulder to the satisfaction of the Engineer.

This work will be paid for at the contract unit price per TON for AGGREGATE SHOULDER, TYPE B.

### **HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT**

Hot-Mix Asphalt Surface Removal, Butt Joint consist of constructing butt joints for a satisfactory transition between pavement being resurfaced and pavement remaining at existing grade, and shall be accomplished in accordance with the applicable portions of Article 406.08 and Section 440 of the Standard Specifications and detail included herein. Should any pavement be damaged by removal operations sufficient to warrant replacement, in the Engineer's judgment, the Contractor shall replace it in kind for no additional payment.

When Hot-Mix Asphalt Surface Removal, Butt Joint are to be constructed under traffic, the Contractor shall provide and maintain temporary asphalt ramps at both upstream and downstream ends of the pavement area removed. The temporary ramps shall be constructed immediately upon completion of the removal operation by leveling and filling with bituminous material, as necessary. Ramps shall have a minimum taper rate of 3' per inch of thickness and shall be removed prior to placing the proposed surface course. Temporary ramps will not be paid for separately but shall be considered incidental to the bid price per square yard for Hot-Mix Asphalt Surface Removal, Butt Joint.

The materials resulting from the removal of hot-mix asphalt surfaces from shall be removed at the end of the day. **Failure to do so shall result in liquidated damages of \$500 per each calendar day until the materials have been removed.**

**DRIVEWAY CLOSING**

It will be the contractor's responsibility to notify residents and the Township when access to their driveways will be temporarily closed due to placement of the hot-mix asphalt surfaces.

**MOBILIZATION**

This Contract contains no provisions for Mobilization. Therefore, Section 671 of the Standard Specifications is deleted.

State of Illinois  
Department of Transportation  
Bureau of Local Roads and Streets

SPECIAL PROVISION  
FOR  
COOPERATION WITH UTILITIES

Effective: January 1, 1999  
Revised: January 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

Replace Article 105.07 of the Standard Specifications with the following:

**"105.07 Cooperation with Utilities.** The adjustment of utilities consists of the relocation, removal, replacement, rearrangements, reconstruction, improvement, disconnection, connection, shifting, new installation or altering of an existing utility facility in any manner.

When the plans or special provisions include information pertaining to the location of underground utility facilities, such information represents only the opinion of the Department as to the location of such utilities and is only included for the convenience of the bidder. The Department assumes no responsibility in respect to the sufficiency or the accuracy of the information shown on the plans relative to the location of the underground utility facilities.

Utilities which are to be adjusted shall be adjusted by the utility owner or the owner's representative or by the Contractor as a contract item. Generally, arrangements for adjusting existing utilities will be made by the Department prior to project construction; however, utilities will not necessarily be adjusted in advance of project construction and, in some cases, utilities will not be removed from the proposed construction limits. When utility adjustments must be performed in conjunction with construction, the utility adjustment work will be shown on the plans and/or covered by Special Provisions.

When the Contractor discovers a utility has not been adjusted by the owner or the owner's representative as indicated in the contract documents, or the utility is not shown on the plans or described in the Special Provisions as to be adjusted in conjunction with construction, the Contractor shall not interfere with said utility, and shall take proper precautions to prevent damage or interruption of the utility and shall promptly notify the Engineer of the nature and location of said utility.

All necessary adjustments, as determined by the Engineer, of utilities not shown on the plans or not identified by markers, will be made at no cost to the Contractor except traffic structures, light poles, etc., that are normally located within the proposed construction limits as hereinafter defined will not be adjusted unless required by the proposed improvement.

(a) Limits of Proposed Construction for Utilities Paralleling the Roadway. For the purpose of this Article, limits of proposed construction for utilities extending in the same longitudinal direction as the roadway, shall be defined as follows:

- (1) The horizontal limits shall be a vertical plane, outside of, parallel to, and 600 mm (2 ft) distant at right angles from the plan or revised slope limits.

In cases where the limits of excavation for structures are not shown on the plans, the horizontal limits shall be a vertical plane 1.2 m (4 ft) outside the edges of structure footings or the structure where no footings are required.

- (2) The upper vertical limits shall be the regulations governing the roadbed clearance for the specific utility involved.
- (3) The lower vertical limits shall be the top of the utility at the depth below the proposed grade as prescribed by the governing agency or the limits of excavation, whichever is less.

(b) Limits of Proposed Construction for Utilities Crossing the Roadway. For the purpose of this Article, limits of proposed construction for utilities crossing the roadway in a generally transverse direction shall be defined as follows:

- (1) Utilities crossing excavations for structures that are normally made by trenching such as sewers, underdrains, etc. and all minor structures such as manholes, inlets, foundations for signs, foundations for traffic signals, etc., the limits shall be the space to be occupied by the proposed permanent construction unless otherwise required by the regulations governing the specific utility involved.
- (2) For utilities crossing the proposed site of major structures such as bridges, sign trusses, etc., the limits shall be as defined above for utilities extending in the same general direction as the roadway.

The Contractor may make arrangements for adjustment of utilities outside of the limits of proposed construction provided the Contractor furnishes the Department with a signed agreement with the utility owner covering the adjustments to be made. The cost of any adjustments made outside the limits of proposed construction shall be the responsibility of the Contractor unless otherwise provided.

The Contractor shall request all utility owners to field locate their facilities according to Article 107.31. The Engineer may make the request for location from the utility after receipt of notice from the Contractor. On request, the Engineer will make an inspection to verify that the utility company has field located its facilities, but will not assume responsibility for the accuracy of such work. The Contractor shall be responsible for maintaining the excavations or markers provided by the utility owners. This field location procedure may be waived if the utility owner has stated in writing to the Department it is satisfied the construction plans are sufficiently accurate. If the utility owner does not submit such statement to the Department, and they do not field locate their facilities in both horizontal and vertical alignment, the Engineer will authorize the Contractor in writing to proceed to locate the facilities in the most economical and reasonable manner, subject to the approval of the Engineer, and be paid according to Article 109.04.

The Contractor shall coordinate with any planned utility adjustment or new installation and the Contractor shall take all precautions to prevent disturbance or damage to utility facilities. Any failure on the part of the utility owner, or their representative, to proceed with any planned utility adjustment or new installation shall be reported promptly by the Contractor to the Engineer orally and in writing.

The Contractor shall take all necessary precautions for the protection of the utility facilities. The Contractor shall be responsible for any damage or destruction of utility facilities resulting from neglect, misconduct, or omission in the Contractor's manner or method of execution or nonexecution of the work, or caused by defective work or the use of unsatisfactory materials. Whenever any damage or destruction of a utility facility occurs as a result of work performed by the Contractor, the utility company will be immediately notified. The utility company will make arrangements to restore such facility to a condition equal to that existing before any such damage or destruction was done.

It is understood and agreed that the Contractor has considered in the bid all of the permanent and temporary utilities in their present and/or adjusted positions.

No additional compensation will be allowed for any delays, inconvenience, or damage sustained by the Contractor due to any interference from the said utility facilities or the operation of relocating the said utility facilities.

State of Illinois  
Department of Transportation  
Bureau of Local Roads and Streets

SPECIAL PROVISION  
FOR  
INSURANCE

Effective: February 1, 2007  
Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

Grafton Township & Trotter and Associates

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The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

State of Illinois  
DEPARTMENT OF TRANSPORTATION  
Bureau of Local Roads & Streets

SPECIAL PROVISION  
FOR  
WAGES OF EMPLOYEES ON PUBLIC WORKS

Effective: January 1, 1999

Revised: January 1, 2012

1. **Prevailing Wages.** All wages paid by the Contractor and each subcontractor shall be in compliance with The Prevailing Wage Act (820 ILCS 130), as amended, except where a prevailing wage violates a federal law, order, or ruling, the rate conforming to the federal law, order, or ruling shall govern. The Contractor shall be responsible to notify each subcontractor of the wage rates set forth in this contract and any revisions thereto. If the Department of Labor revises the wage rates, the revised rate as provided by the public body shall apply to this contract and the Contractor will not be allowed additional compensation on account of said revisions.
2. **Payroll Records.** The Contractor and each subcontractor shall make and keep, for a period of not less than three years from the date of the last payment on a contract or subcontract, records of all laborers, mechanics, and other workers employed by them on the project; the records shall include each worker's name, address, telephone number when available, social security number, classification or classifications, the hourly wages paid in each pay period, the number of hours worked each day, and the starting and ending times of work each day. Upon seven business days' notice, the Contractor and each subcontractor shall make available for inspection and copying at a location within this State during reasonable hours, the payroll records to the public body in charge of the project, its officers and agents, the Director of Labor and his deputies and agents, and to federal, State, or local law enforcement agencies and prosecutors.
3. **Submission of Payroll Records.** The Contractor and each subcontractor shall no later than the tenth day of each calendar month file a certified payroll for the immediately preceding month with the public body in charge of the project, except that the full social security number and home address shall not be included on weekly transmittals. Instead the payrolls shall include an identification number for each employee (e.g., the last four digits of the employee's social security number). The certified payroll shall consist of a complete copy of the payroll records except starting and ending times of work each day may be omitted  
  
The certified payroll shall be accompanied by a statement signed by the Contractor or subcontractor or an officer, employee, or agent of the contractor or subcontractor which avers that: (i) he or she has examined the certified payroll records required to be submitted by the Act and such records are true and accurate; (ii) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required; and (iii) the Contractor or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class A misdemeanor.
4. **Employees Interviews.** The Contractor and each subcontractor shall permit his/her employees to be interviewed on the job, during working hours, by compliance investigators of the Department or the Department of Labor.

State of Illinois  
DEPARTMENT OF TRANSPORTATION  
Bureau of Local Roads & Streets

SPECIAL PROVISION  
FOR  
HOT IN-PLACE RECYCLING (HIR) – SURFACE RECYCLING

Effective: January 1, 2012

All references to Sections and Articles in this Special Provision shall be construed to mean specific Sections and Articles in the Standard Specifications for Road and Bridge Construction adopted by the Department of Transportation.

**Description.** This work shall consist of in-place rehabilitation of hot-mix asphalt (HMA) pavement by heating, scarifying, rejuvenating, and reshaping the surface followed by the addition of a new HMA surface course according to the thickness specified on the plans.

**Materials.** Materials shall be according to the following.

<u>Item</u>	<u>Article/Section</u>
(a) Rejuvenating Agent (Note 1)	
(b) Hot-Mix Asphalt .....	1030

Note 1. The rejuvenating agent shall have a minimum Aged Penetration Retention of 90% when tested according to the following test procedure:

- a. Determine the penetration<sup>1</sup> of an unaged standard PG 58-22 asphalt binder.
- b. Age<sup>2</sup> the asphalt binder in the Rolling Thin Film Oven (RTFO).
- c. Determine the penetration<sup>1</sup> of the aged binder (A).
- d. Add the rejuvenating agent or rejuvenating agent residue<sup>3</sup> at the percentage recommended by the manufacturer (maximum 20% by weight) to the aged binder. Blend uniformly.
- e. Determine the penetration<sup>1</sup> of the rejuvenating agent / aged binder mixture. The penetration of this mixture shall be essentially equivalent to the penetration of the unaged PG 58-22.
- f. Age<sup>2</sup> the rejuvenating agent / aged binder mixture in the RTFO.
- g. Determine the penetration<sup>1</sup> of the aged rejuvenating agent / aged binder mixture (B).
- h. Determine the Aged Penetration Retention according to the following formula:

$$\text{Aged Penetration Retention, \%} = (B/A) \times 100$$

<sup>1</sup> AASHTO T 49 at 77°F (25°C).

<sup>2</sup> AASHTO T 240 aged for 5 hours at 325°F (163°C).

<sup>3</sup> If the rejuvenating agent is an emulsion, obtain the residue according to the test procedure "Emulsified Asphalt Residue by Evaporation" located in AASHTO T 59.

**Equipment.** Equipment shall be according to the following.

<u>Item</u>	<u>Article/Section</u>
(a) Rollers.....	1101.01
(b) Pre-heater (Note 1)	
(c) Heater-Scarifier (Note 2)	

Note 1. The pre-heater shall be a separate independently self-propelled heating unit.

Note 2. The heater-scarifier shall be self-contained, power propelled unit capable of heating, scarifying, adding rejuvenating agent, mixing, and screeding the scarified asphalt surface.

The heating system shall use propane, fuel oil, or butane as fuel, capable of being turned on or off instantly and have a range of width to heat 4-inches beyond each side of the lane width. Heating of the asphalt pavement surface shall be accomplished in such a manner that adequate heat penetration is provided without excessive oxidation, or direct flame contact with the asphalt street. The heaters shall have an enclosed or shielded hood and allow for the pavement to be scarified to the specified depth with the surface temperature of the old pavement not exceeding 375°F (190°C). The machine shall be equipped with a minimum of two rows of spring-mounted scarification teeth. Teeth shall be evenly spaced with the rows offset by an amount equal to one-half of the tooth spacing. Teeth shall be capable of vertical movement, such that the rows of the teeth will follow any contours in the street profile to scarify to the required depth regardless of depression or high areas. Self-regulating controls shall be used to exert pressure from the weight of the machine onto the tooth mounting system, and to control the depth of scarification. The aggregate shall be dislodged, but not fractured, to the specified depth.

The machine shall be capable of adding rejuvenating agent uniformly over the area to be scarified at a uniform rate per distance traveled.

The machine shall be capable of lateral movement of the scarified materials as required, by using a reversible auger and/or adjustable blades. This system shall be capable of maintaining a uniform supply of scarified material distributed as required across the face if the spreader screed.

The heater-scarifier shall be equipped with an automatic electronic grade control device. The device shall be effective in leveling depressions. The device shall be capable of controlling the elevation of the screed relative to either a preset grade control string line or a grade reference device traveling on the adjacent pavement surface. The traveling grade reference device shall be not less than 30 ft (9 m) in length.

The screed or strike off assembly shall effectively produce a finished surface of the required evenness and texture without tearing, shoving or gouging the mixture.

### CONSTRUCTION REQUIREMENTS

**General.** The entire surface to be rehabilitated shall be free of water, soil, vegetation, and foreign material. All base failures shall be repaired prior to the heating scarifying process according to Section 358. Rehabilitation work shall be performed only when the air temperature in the shade is at least 45 °F (7 °C) and the forecast is for rising temperatures.

The surface of the existing pavement shall be heated with a continuously moving heater to allow the pavement to be scarified to a 0.75 to 1.5 in (20 to 38 mm) average depth with the surface temperature of the old pavement not to exceed 375 °F (190 °C). Heat shall be applied under an enclosed or shielded hood and shall extend at least 4 in. (100 mm) beyond the width of scarification on both sides. Scarifying shall be accomplished with pressure scarifiers. The scarifying unit shall be equipped to scarify and move material away from the gutter flags for a depth of 1/2 in. (13 mm) by 4 in. (100 mm) wide. The heating-scarifying operation shall not exceed 30 ft (10 m) per minute. When a repaving pass is being made adjacent to a previously placed mat, the longitudinal repaving seam shall extend at least 2 in. (50 mm) into the previously placed mat.

Immediately after the scarifying operation, the rejuvenating agent shall be applied at the maximum rate of 0.20 gal/sq yd (0.5 L/sq m). The actual rate will be determined by the Contractor based on pavement condition, rejuvenating agent, and pavement samples. The Contractor will provide the Engineer with the application rate prior to construction. The application rate should not vary by more than  $\pm 0.03$  gal/sq yd ( $\pm 0.1$  L/sq m) unless existing pavement conditions change. Any modification of the application rate shall be approved by the Engineer. The surface shall then be leveled by distributing the heated, scarified and treated (HST) material over the width being processed so as to produce a uniform cross section. The minimum temperature of the HST material after leveling shall be 175 °F (80 °C). The HST material shall be compacted before the temperature of the mix drops below 150 °F (65 °C).

Compaction shall be accomplished by performing a growth curve within the first half mile of production. If an adjustment is made to the rejuvenating agent's application rate, the Engineer reserves the right to request an additional growth curve. The growth curve, consisting of a plot of lb/cu ft (kg/cu m) vs. number of passes with the project breakdown roller, shall be developed. Roller speed during the growth curve testing shall be the same as the normal paving operation. This curve shall be established by use of a nuclear gauge. Tests shall be taken after each pass until the highest lb/cu ft (kg/cu m) is obtained. This value shall be the target density.

A new growth curve is required if the breakdown roller used on the growth curve is replaced with a new roller during production. The target density shall apply only to the specific gauge used. If additional gauges are to be used to determine density specification compliance, the Contractor shall establish a unique minimum allowable target density from the growth curve location for each gauge.

TABLE 1 - MINIMUM ROLLER REQUIREMENTS FOR HIR – SURFACE RECYCLING			
Breakdown Roller (one of the following) <sup>1</sup>	Intermediate Roller	Final Roller (one or more of the following) <sup>1</sup>	Density Requirement
V <sub>D</sub> , P	--	V <sub>S</sub> , T <sub>B</sub> , T <sub>F</sub>	95 - 102 percent of the target density obtained on the growth curve

<sup>1</sup> Equipment definitions in Table 1 of Article 406.07.

Within 48 hours of the HST operation, a HMA surface course specified in the plans shall be placed according to Section 406.

**Method of Measurement.**

- (a) **Contract Quantities.** The requirement for use of contract quantities shall be according to Article 202.07(a).
- (b) **Measured Quantities.** The hot in-place recycling – surface recycling will be measured for payment in place and the area computed in square yards (square meters). The rejuvenating agent will be measured for payment in gallons (liters) according to Article 1032.02. The HMA surface will be measured for payment in tons (metric tons) according to Article 406.13.

**Basis of Payment.** This work will be paid for at the contract unit price per square yard (square meter) for HOT IN-PLACE RECYCLING – SURFACE RECYCLING, and per gallon (liter) for REJUVENATING AGENT.

The HMA surface will be paid for according to Article 406.14

If provided as a pay item, the preparation of the base will be paid for according to Article 358.07. If not provided as a pay item, preparation of the base, including additional material required, shall be considered as included in the contract unit price bid for hot in-place recycling, and no additional compensation will be allowed.

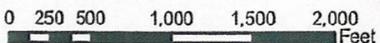


**Grafton Township 2012 Road Program**

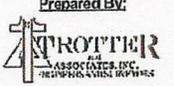
**Legend**

- ADAMSON ROAD - 6161 FT
- COYNE STATION ROAD - 2715 FT

**Project Locations  
Exhibit 1**



February 2012



Data Sources: McHenry County GIS, NRCS Data Gateway



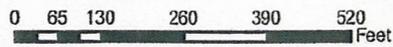
**Grafton Township 2012 Road Program**

**Legend**

- JOHN STREET - 410 FT
- MARTIN STREET - 410 FT

**Project Locations**

Exhibit 2

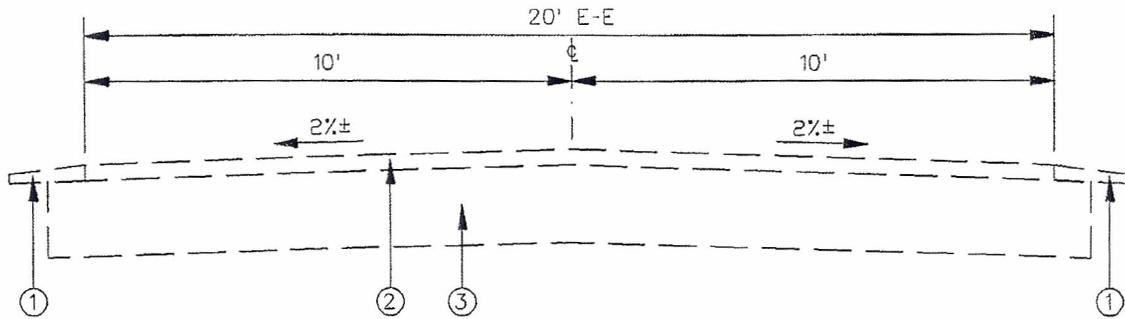


February 2012

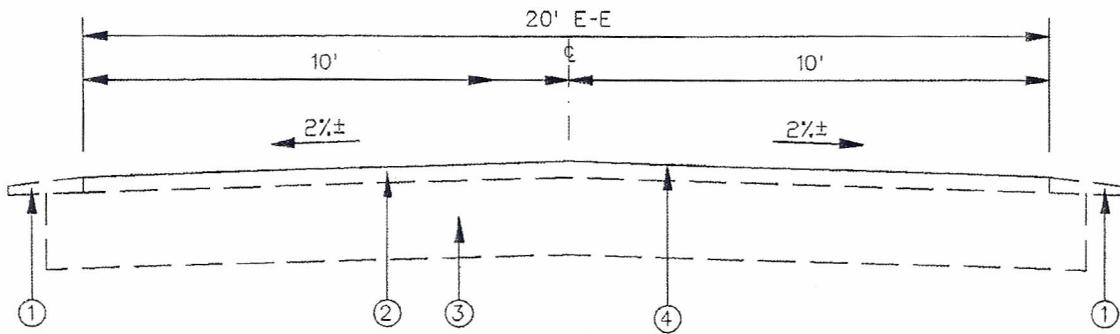
Prepared By:



Data Sources: McHenry County GIS, NRCS Data Gateway

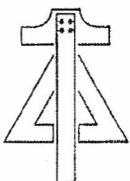


*Existing Typical Section  
Adamson Street*



*Proposed Typical Section  
Adamson Street*

PREPARED BY:

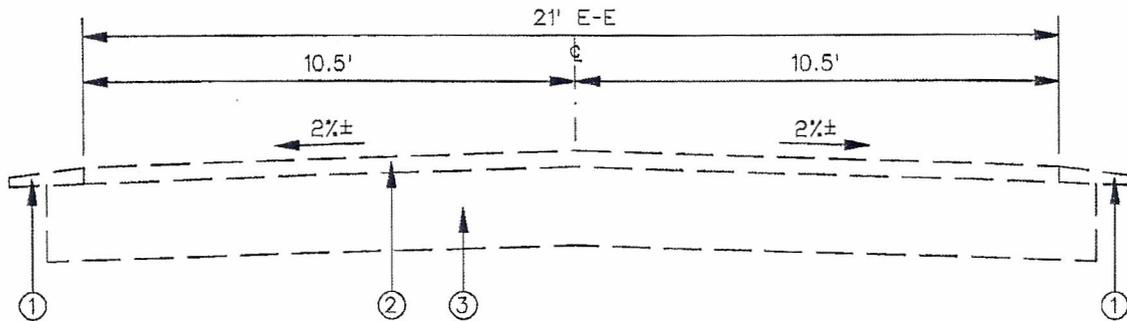


**TROTTER**  
**ASSOCIATES**  
Engineers and Surveyors

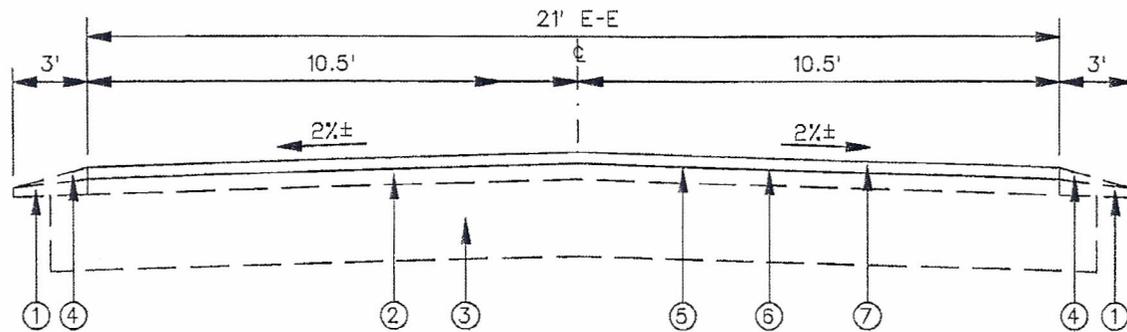
5415 Business Parkway · Ringwood, IL 60072  
Tel: 815.728.0008 · Fax: 815.728.1008

**LEGEND**

- ① EXISTING AGGREGATE SHOLDER
- ② EXISTING HOT-MIX ASPHALT SURFACE
- ③ EXISTING AGGREGATE BASE
- ④ PROPOSED HOT IN-PLACE RECYCLING (HIR) SURFACE RECYCLING



*Existing Typical Section  
Coyne Station Road*

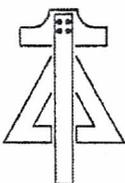


*Proposed Typical Section  
Coyne Station Road*

**LEGEND**

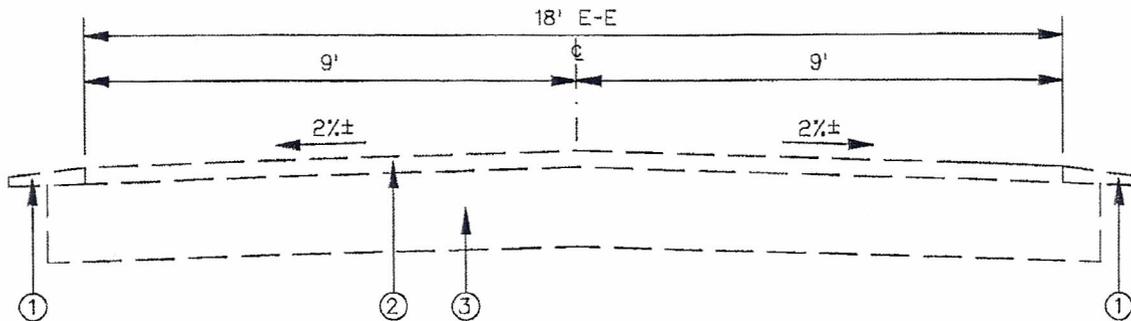
- ① EXISTING AGGREGATE SHOLDER
- ② EXISTING HOT-MIX ASPHALT SURFACE
- ③ EXISTING AGGREGATE BASE
- ④ AGGREGATE SHOLDER, TYPE B (BY OTHERS)
- ⑤ PROPOSED HOT IN-PLACE RECYCLING (HIR) SURFACE RECYCLING
- ⑥ BITUMINOUS MATERIALS (PRIME COAT) 0.20 GAL/SQ YD AND AGGREGATE (PRIME COAT) 4 LBS/SQ YD
- ⑦ PROPOSED HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "C", N50, 1-1/2"

PREPARED BY:

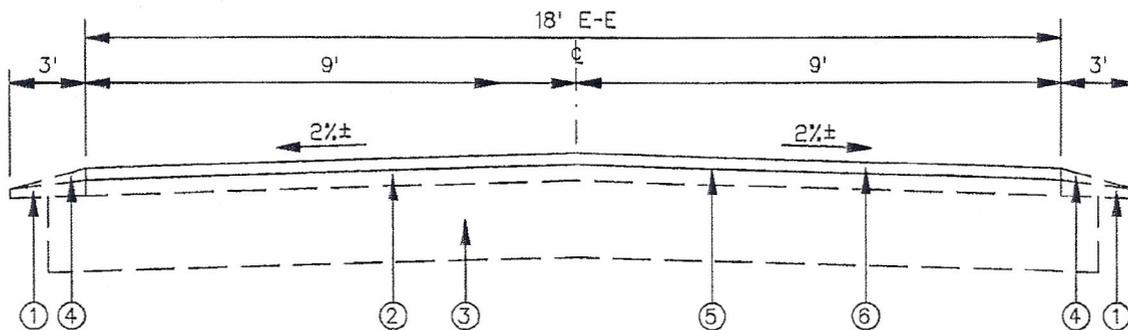


**TROTTER**  
**ASSOCIATES**  
Engineers and Surveyors

5415 Business Parkway · Kingwood, IL 30972  
Ph: 815.738.0908 · Fax: 815.738.1088



*Existing Typical Section  
Martin & John Street*

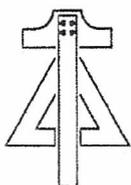


*Proposed Typical Section  
Martin & John Street*

**LEGEND**

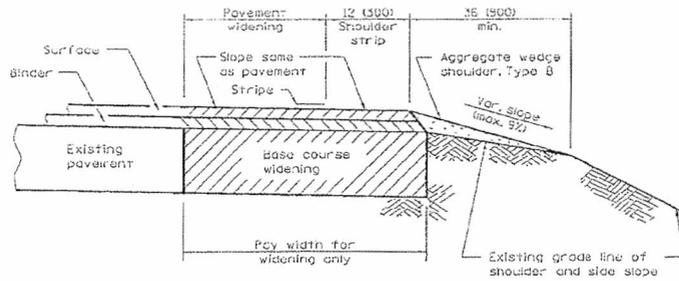
- ① EXISTING AGGREGATE SHOLDER
- ② EXISTING HOT-MIX ASPHALT SURFACE
- ③ EXISTING AGGREGATE BASE
- ④ AGGREGATE SHOLDER, TYPE B (BY OTHERS)
- ⑤ BITUMINOUS MATERIALS (PRIME COAT)  
0.20 GAL/SQ YD AND  
AGGREGATE (PRIME COAT) 4 LBS/SQ YD
- ⑥ PROPOSED HOT-MIX ASPHALT (HMA)  
SURFACE COURSE, MIX "C", N50, 1-1/2"

PREPARED BY:

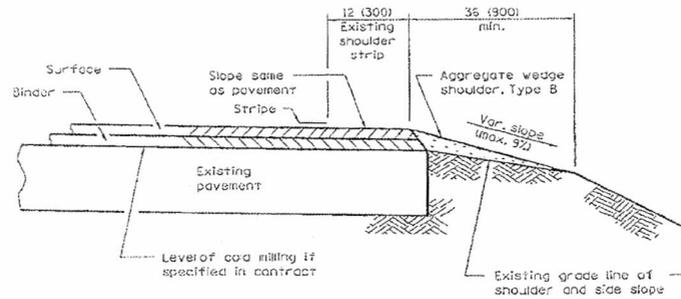


**TROTTER**  
**ASSOCIATES**  
Engineers and Surveyors

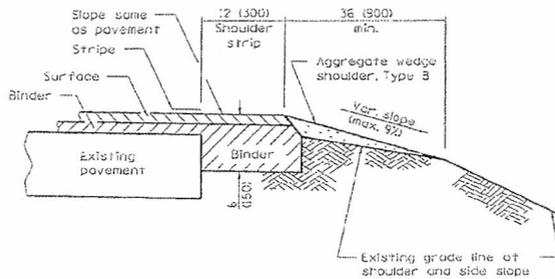
5415 Business Parkway · Kingwood, IL 60972  
Ph: 815.726.0906 · Fax: 815.726.1068



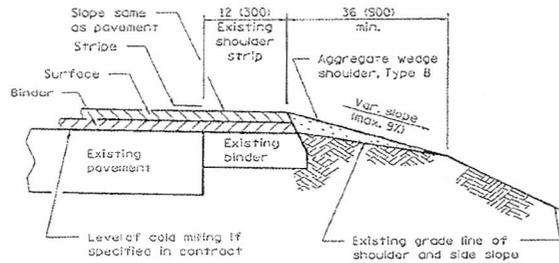
**HMA SHOULDER STRIP AND  
AGGREGATE WEDGE WITH WIDENING**  
(Cross-section A)



**COLD MILLING AND/OR RESURFACING OF  
EXISTING PAVEMENT WITH SHOULDER STRIPS**  
(Cross-section C)



**HMA SHOULDER STRIP AND  
AGGREGATE WEDGE WITH RESURFACING**  
(Cross-section B)



**COLD MILLING AND/OR RESURFACING OF  
EXISTING PAVEMENT WITH SHOULDER STRIPS**  
(Cross-section D)

All dimensions are in inches (millimeters)  
unless otherwise shown.

Texas Department of Transportation

ISSUED January 1, 2005

ENGINEER OF PROJECT AND PROCEDURES

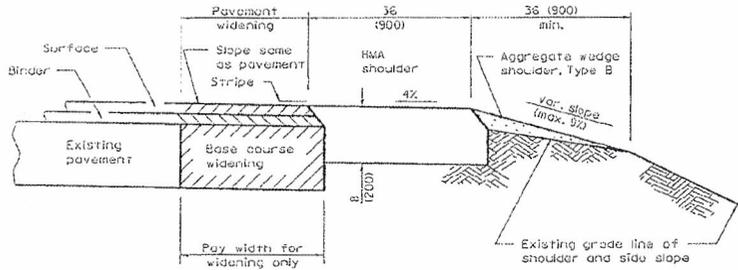
APPROVED February 1, 2008

PROCEDURE DESIGNER AND ENVIRONMENTALIST

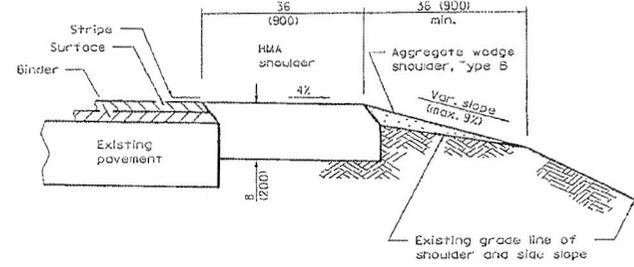
16-11 (08/05)

DATE	REVISIONS
1-1-08	Switched units to English (metric).
1-1-07	Switched to Hot-Mix Asphalt (HMA) terminology.

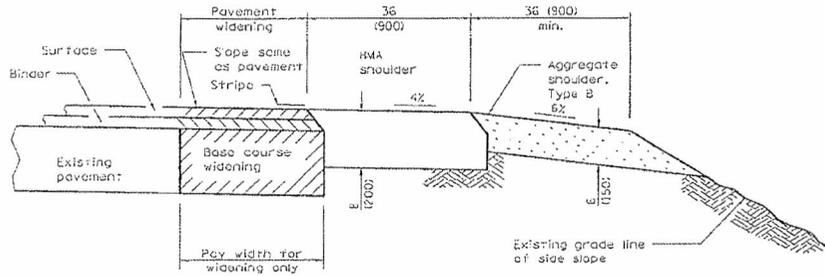
HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
(Sheet 1 of 2)
STANDARD 482011-03



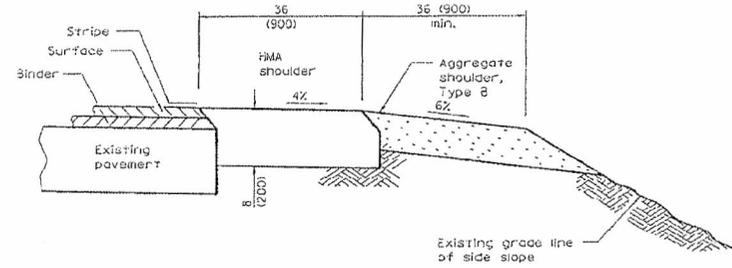
**HMA SHOULDER AND AGGREGATE  
WEDGE WITH WIDENING**  
(Cross-section E)



**HMA SHOULDER AND AGGREGATE  
WEDGE WITH RESURFACING**  
(Cross-section C)



**HMA AND AGGREGATE  
SHOULDERS WITH WIDENING**  
(Cross-section F)

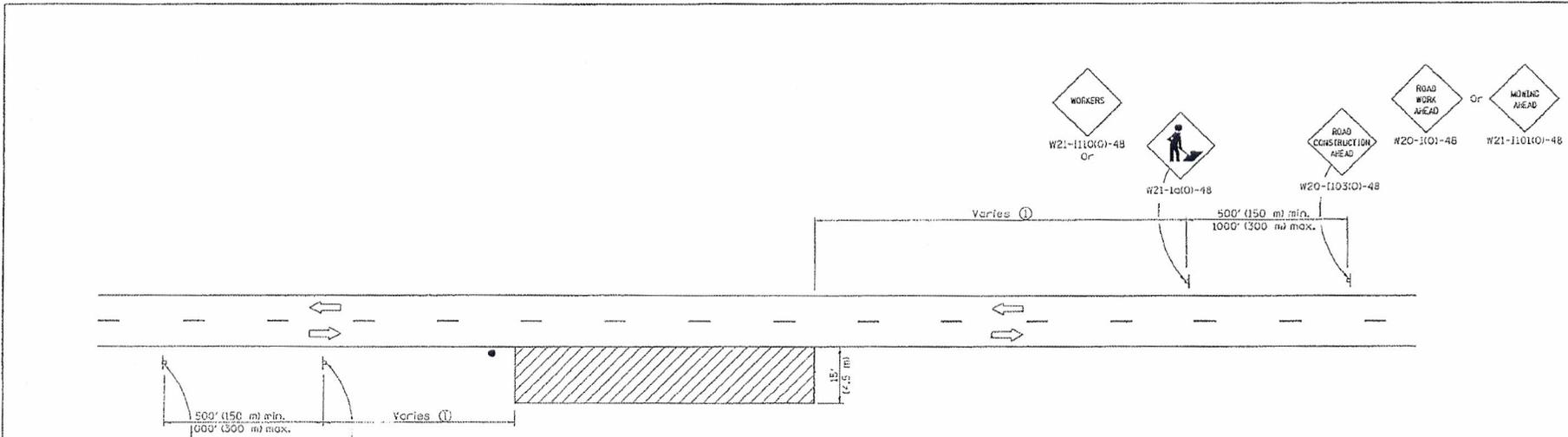


**HMA AND AGGREGATE SHOULDERS  
WITH RESURFACING**  
(Cross-section H)

Illinois Department of Transportation  
 PREPARED BY: *[Signature]* January 1, 2008  
 ENGINEER OF POLICY AND PROCEDURES  
 APPROVED BY: *[Signature]* January 1, 2008  
 PROFESSOR OF DESIGN AND ENVIRONMENT

**HMA SHLD. STRIPS/SHLDS. WITH  
RESURFACING OR WIDENING  
AND RESURFACING PROJECTS**  
(Sheet 2 of 2)

STANDARD 482011-03



For contract construction projects

ROAD CONSTRUCTION AHEAD  
W20-110(O)-48

WORKERS  
W21-110(O)-48

For maintenance and utility projects

ROAD WORK AHEAD  
W20-110(O)-48

MOVING AHEAD  
W21-110(O)-48

**TYPICAL APPLICATIONS**  
Shoulder work  
Utility operations

**SYMBOLS**

-  Work area
-  Sign
- Flagger with traffic control sign when required

① Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but should not exceed 1/2 the length required for one normal working day's operation, or 4 miles (6.4 km) whichever is less.

**GENERAL NOTES**

This Standard is used where at any time, any vehicle, equipment, workers or their activities require an intermittent or continuous moving operation on the shoulder, where the average speed is 1 mph (2 km/h) or less.

When the work operation does not exceed 60 minutes, traffic control may be according to Standard 701301.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED: *[Signature]* 2009  
ENGINEER OF OPERATIONS

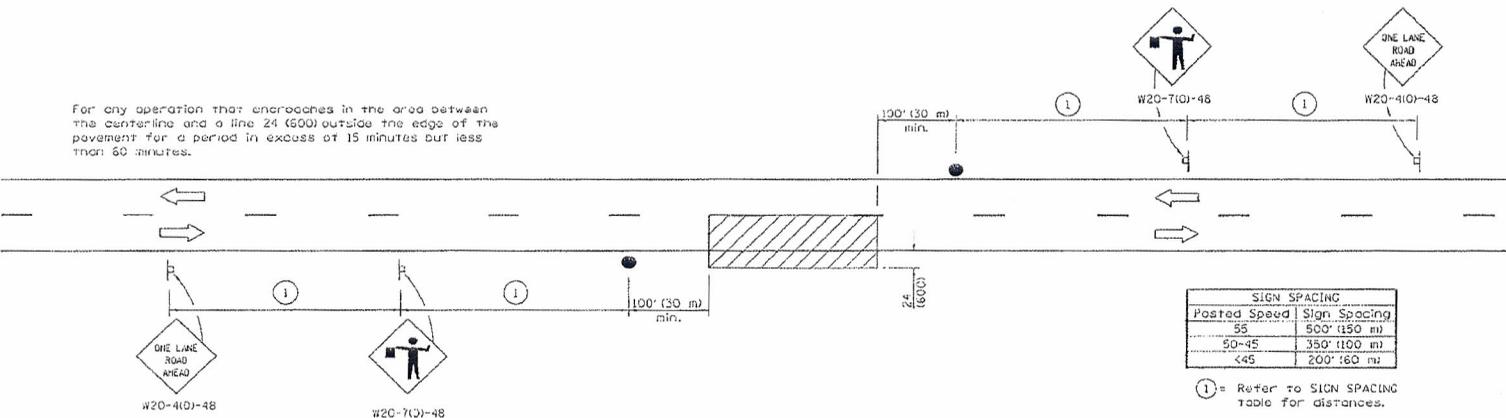
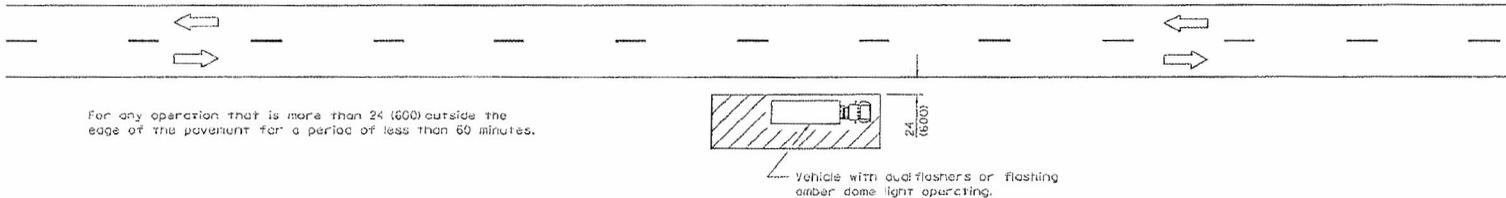
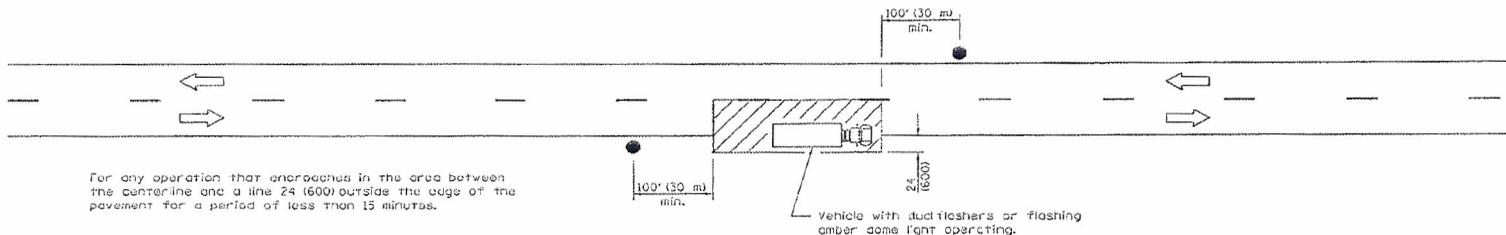
APPROVED: *[Signature]* 2009  
ENGINEER OF REGION AND ENVIRONMENT

LE-11 CROSS

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-05	Corrected sign No.'s, Revised title, notes, and sign spacing.

**OFF-ROAD MOVING OPERATIONS,  
2L, 2W, DAY ONLY**

STANDARD 701011-02



Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

① = Refer to SIGN SPACING table for distances.

All dimensions are in inches (millimeters) unless otherwise shown.

**TYPICAL APPLICATIONS**

- Marking patches
- Field survey
- String line
- Utility operations
- Cleaning up debris on pavement

**SYMBOLS**

- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

Illinois Department of Transportation

APPROVED: [Signature] 2011  
ENGINEER OF SAFETY ENGINEERING

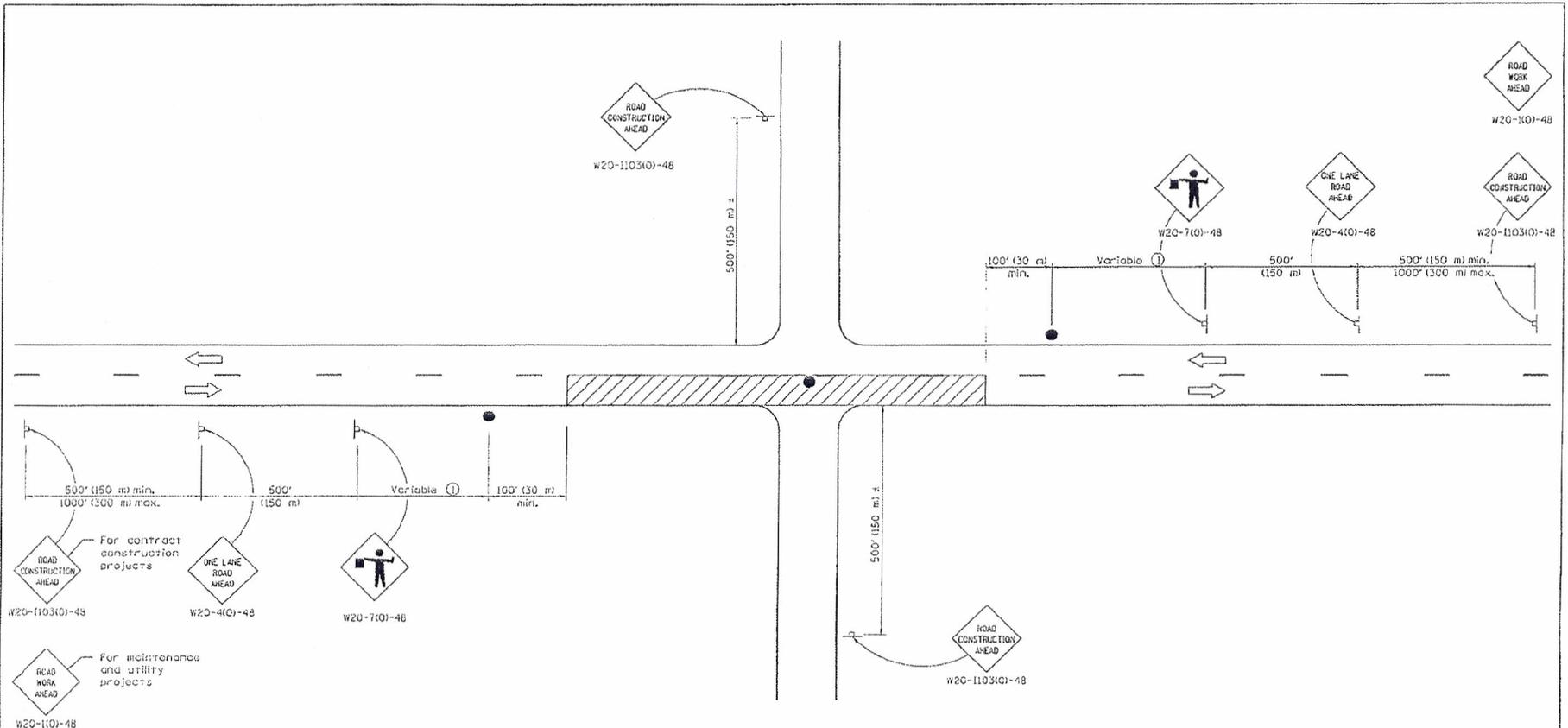
APPROVED: [Signature] 2011  
ENGINEER OF DESIGN AND ENVIRONMENT

16-r-1 03/05/07

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).

**LANE CLOSURE, 2L, 2W,  
SHORT TIME OPERATIONS**

**STANDARD 701301-04**



For contract construction projects

For maintenance and utility projects

**TYPICAL APPLICATIONS**

- Bituminous resurfacing
- Milling operations
- Utility operations
- Shoulder operations

① Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but should not exceed 1/2 the length required for one normal working day's operation or 2 miles (3200 m), whichever is less.

**SYMBOLS**

- Work area
- Sign on portable or permanent support
- Flagger with traffic control sign

**GENERAL NOTES**

This Standard is used where at any time, any vehicle, equipment, workers or their activities require an intermittent or continuous moving operation on the pavement where the average speed of movement is greater than 1 mph (2 km/h) and less than 4 mph (6 km/h).

When the operation does not exceed 60 minutes, traffic control may be according to Standard 701301.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

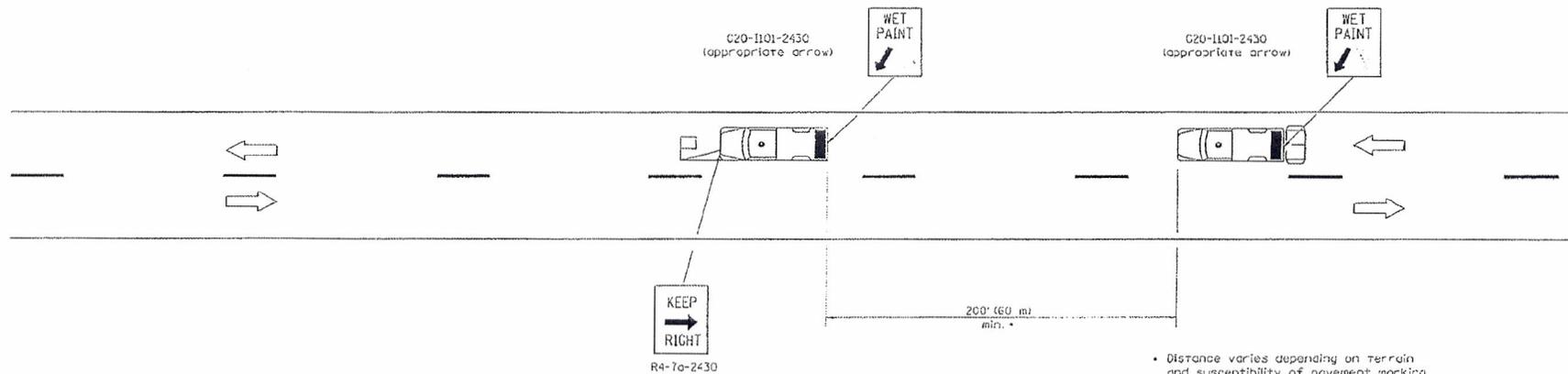
APPROVED January 2011  
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 2011  
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).
	Corrected sign No.'s.

**LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH**

STANDARD 701306-03



**TYPICAL APPLICATIONS**

- Landscaping work
- Utility work
- Pavement marking
- Weed spraying
- Roadmeter measurements
- Debris clean-up
- Crack pouring

**SYMBOLS**

-  Arrow board (Hazard Mode only)
-  Truck with headlights, emergency flashers and flashing amber light (visible from all directions)
-  18x18 (450x450) min. orange flag (use when guide wheels used)
-  Truck mounted attenuator

**GENERAL NOTES**

This Standard is used where any vehicle, equipment, workers or their activities will require a continuous moving operation where the average speed is greater than 3 mph (5 km/h).

For shoulder operations not encroaching on the pavement, use DETAIL A, Standard 701426.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED \_\_\_\_\_ AUTHORITY I. 2009

ENGINEER OF OPERATIONS

APPROVED \_\_\_\_\_ AUTHORITY I. 2009

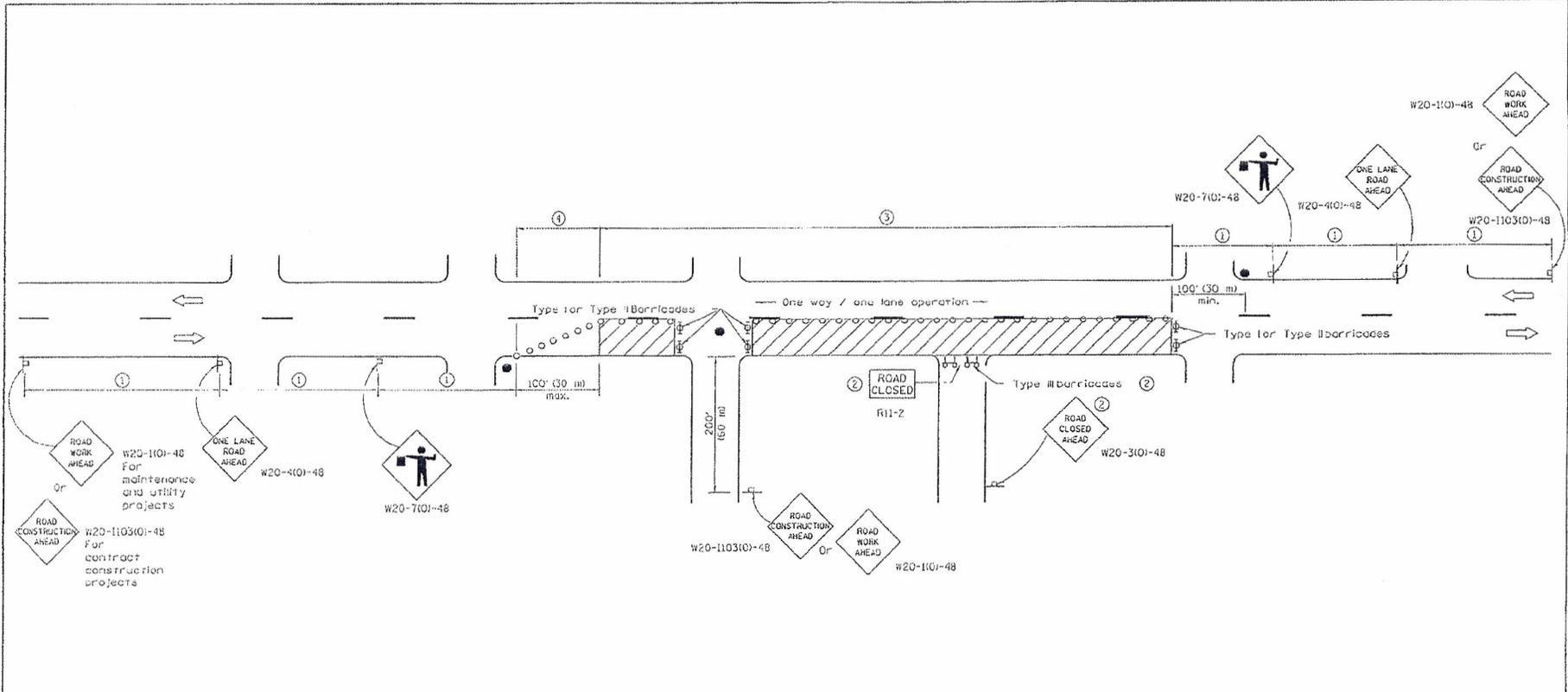
ENGINEER OF DESIGN AND ENVIRONMENT

SDS000 1-1-11

DATE	REVISIONS
1-1-09	Switched units to English (metric). Omitted Pass with Care sign.
1-1-00	Elim. speed restrictions in Standard title.

**LANE CLOSURE 2L, 2W  
MOVING OPERATIONS--  
DAY ONLY**

**STANDARD 701311-03**



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

**SYMBOLS**

- Work area
  - Cone, drum or barricade (not required for moving operations)
  - Sign on portable or permanent support
  - Flagger with traffic control sign
  - Barricade or drum with flashing light
  - Type III barricade with flashing lights
- ① Refer to SIGN SPACING TABLE for distances.
  - ② For approved sideroad closures.
  - ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
  - ④ Cones, drums or barricades at 20' (6 m) centers.

**GENERAL NOTES**

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED: *[Signature]* January 1, 2011  
 ENGINEER OF SAFETY ENGINEERING

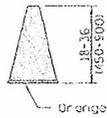
APPROVED: *[Signature]* January 1, 2011  
 ENGINEER OF DESIGN AND ENVIRONMENT

AF-11 (REVISED)

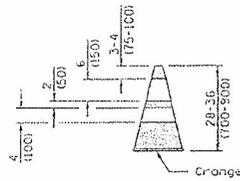
DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).
	Corrected sign No.'s.

**URBAN LANE CLOSURE,  
2L, 2W, UNDIVIDED**

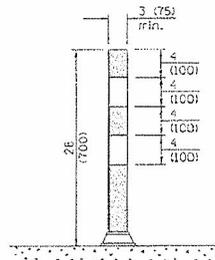
**STANDARD 701501-06**



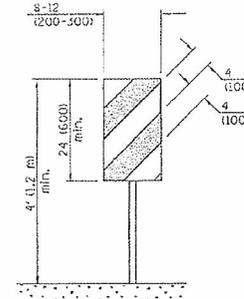
**CONE**



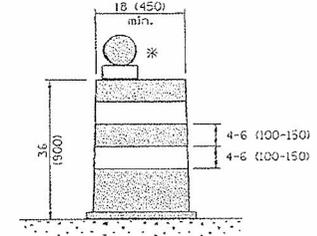
**REFLECTORIZED CONE**



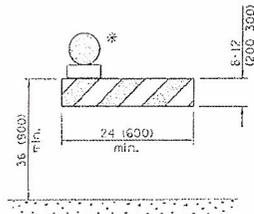
**FLEXIBLE DELINEATOR**



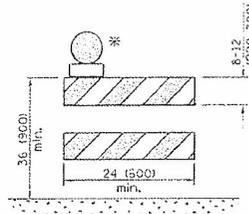
**VERTICAL PANEL  
POST MOUNTED**



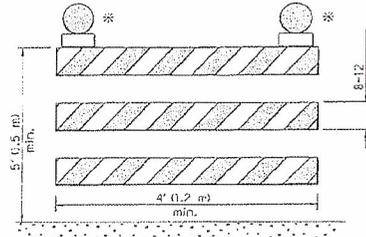
**DRUM**



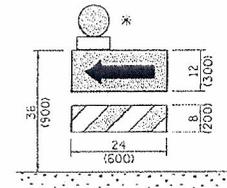
**TYPE I BARRICADE**



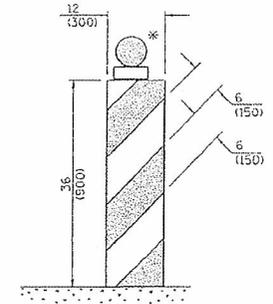
**TYPE II BARRICADE**



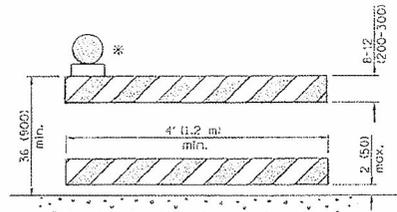
**TYPE III BARRICADE**



**DIRECTION INDICATOR  
BARRICADE**



**VERTICAL BARRICADE**



**DETECTABLE PEDESTRIAN  
CHANNELIZING BARRICADE**

\* Warning lights (if required)

**GENERAL NOTES**

All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

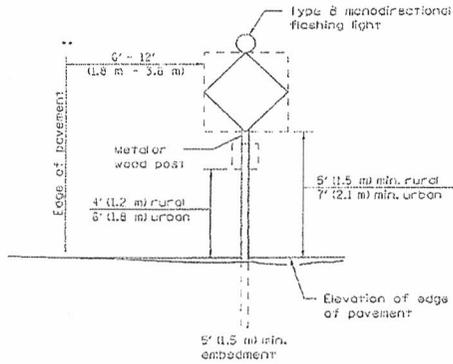
Illinois Department of Transportation	
APPROVED	2012
DESIGNED	2012
APPROVED	2012
PROJECT DESIGN AND ENVIRONMENT	

DATE	REVISIONS
1-1-12	Added DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE.
1-1-09	Switched units to English (Metric). Omitted light on vertical panel.

**TRAFFIC CONTROL  
DEVICES**

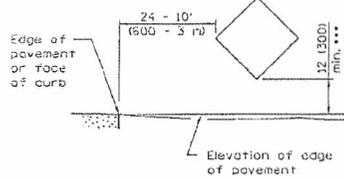
(Sheet 1 of 3)

**STANDARD 701901-02**



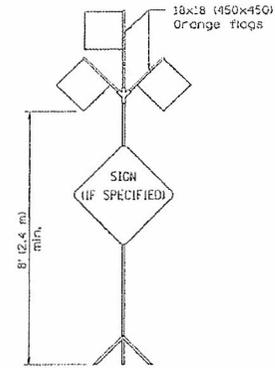
**POST MOUNTED SIGNS**

\*\* When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



**SIGNS ON TEMPORARY SUPPORTS**

\*\*\* When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen by motorists.



**HIGH LEVEL WARNING DEVICE**

**ROAD CONSTRUCTION NEXT X MILES**

G20-1101-6036

**END CONSTRUCTION**

G20-24101-6024

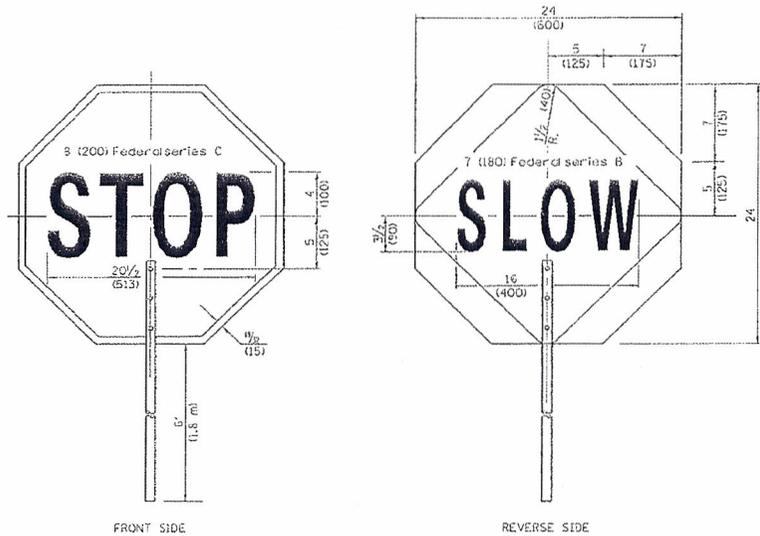
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

**WORK LIMIT SIGNING**



**FLAGGER TRAFFIC CONTROL SIGN**

All dimensions are in inches (millimeters) unless otherwise shown.

**TRAFFIC CONTROL DEVICES**

(Sheet 2 of 3)

**STANDARD 701901-02**

Illinois Department of Transportation

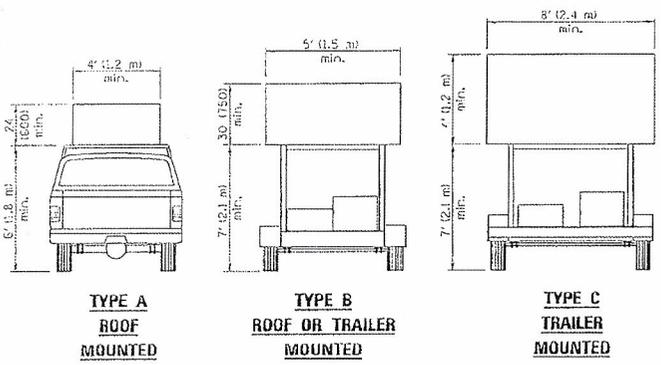
APPROVED: *[Signature]* JANUARY 1, 2012

ENGINEER OF OPERATIONS

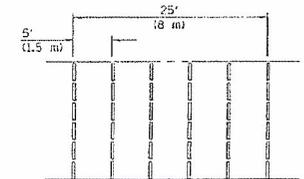
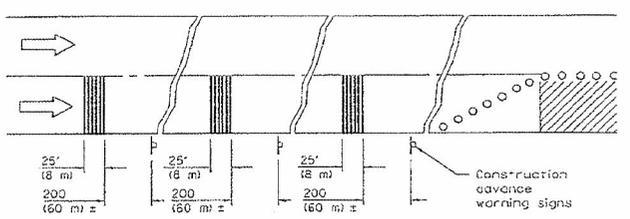
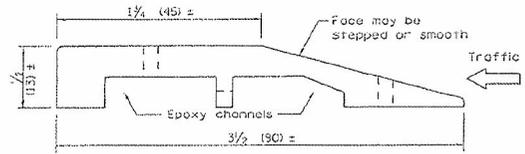
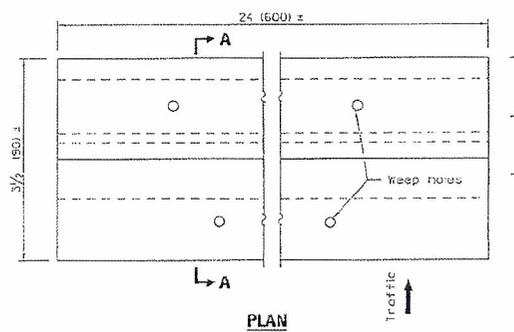
APPROVED: *[Signature]* JANUARY 1, 2012

CHIEF OF BUREAU OF HIGHWAYS

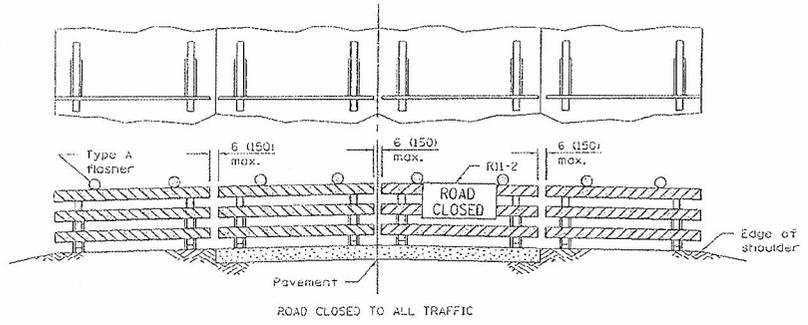
24-1-3 (REVISED)



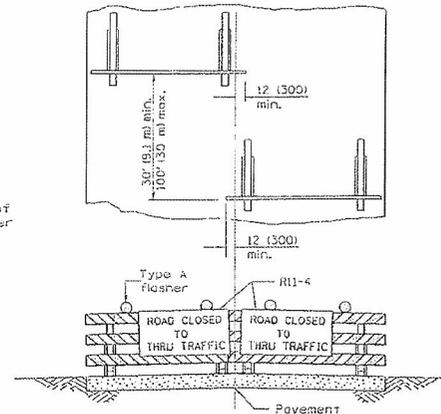
**ARROW BOARDS**



**TEMPORARY RUMBLE STRIPS**



Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.



Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on an NCHRP 350 temporary sign supports directly in front of the barricade.

All dimensions are in inches (millimeters) unless otherwise shown.

**TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD**

**TRAFFIC CONTROL DEVICES**

(Sheet 3 of 3)

STANDARD 701901-02

Illinois Department of Transportation

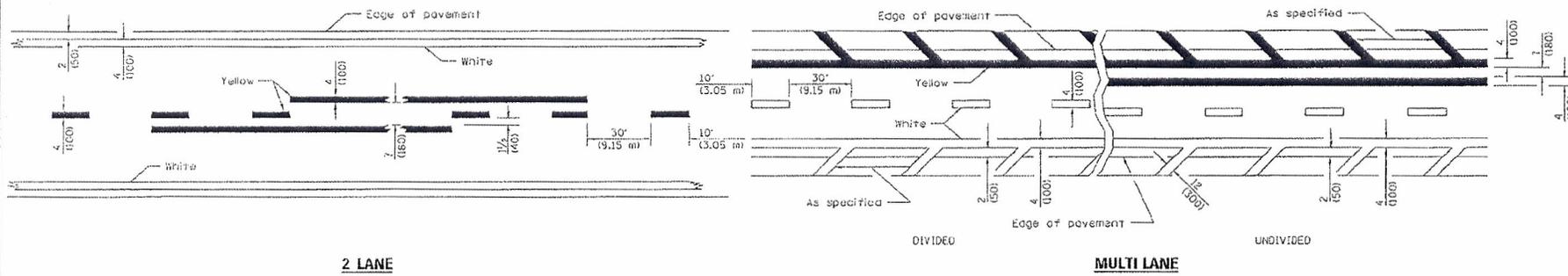
APPROVED: [Signature] 2012

ENGINEER OF OPERATIONS

APPROVED: [Signature] 2012

ENGINEER OF DESIGN AND ENVIRONMENT

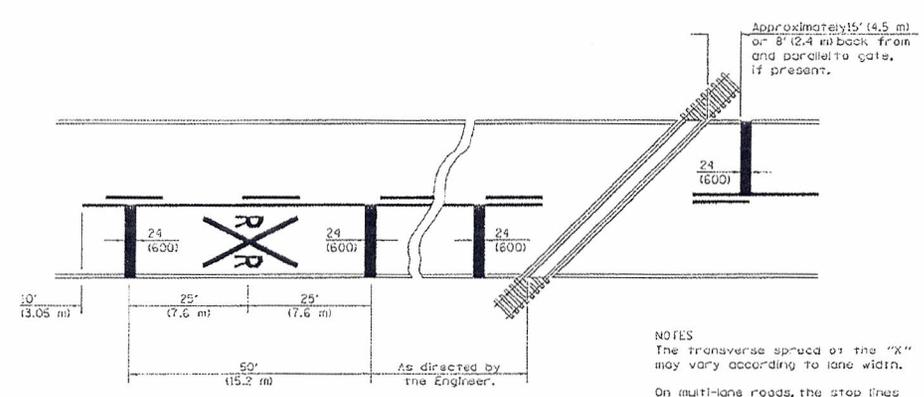
22-1-1 (REVISED)



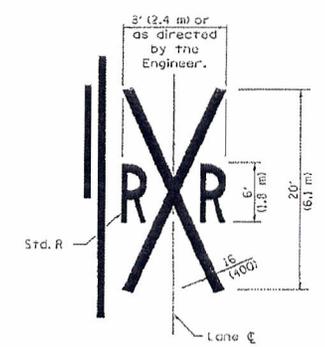
2 LANE

MULTI LANE

LANE AND EDGE LINES



NOTES  
 The transverse spread of the "X" may vary according to lane width.  
 On multi-lane roads, the stop lines shall extend across all approach lanes and separate R/R symbols shall be placed adjacent to each other in each lane.  
 When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table 20-4, Condition B of the MUTCD.



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2012  
*[Signature]*  
 ENGINEER OF OPERATIONS

APPROVED January 1, 2012  
*[Signature]*  
 ENGINEER OF DESIGN AND ENVIRONMENT

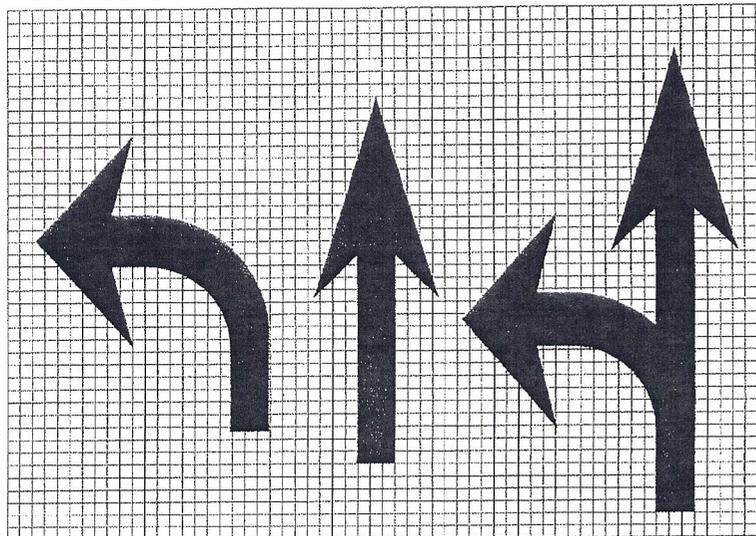
46-1-1 (REVISED)

DATE	REVISIONS
1-1-12	Updated reference to current MUTCD table in notes.
1-1-09	Switched units to English (metric).

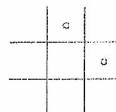
**TYPICAL PAVEMENT MARKINGS**

(Sheet 1 of 2)

**STANDARD 780001-03**



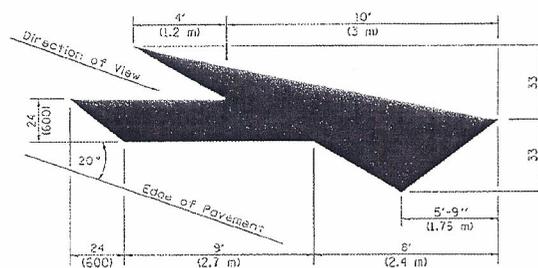
**WORD AND ARROW LAYOUT**



Legend Height	Arrow Size	a
6' (1.8 m)	Small	2.9 (74)
8' (2.4 m)	Large	3.8 (96)

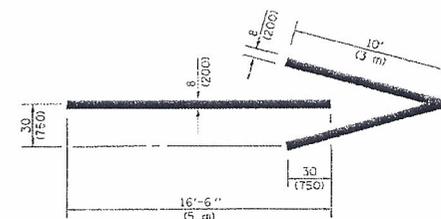
The space between adjacent letters or numerals should be approximately 3 (75) for 6' (1.8 m) legend and 4 (100) for 8' (2.4 m) legend.

**LETTER AND ARROW GRID SCALE**



**LANE DROP ARROW**

Right lane drop arrow shown. Use mirror image for left lane.



**WRONG WAY ARROW**

**TYPICAL PAVEMENT MARKINGS**

(Sheet 2 of 2)

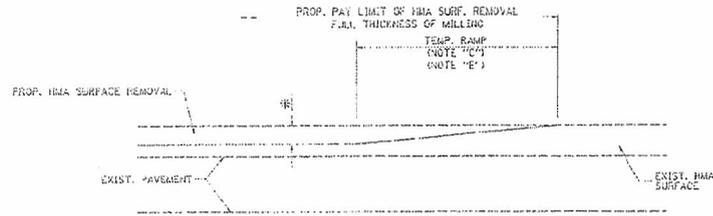
**STANDARD 780001-03**

Illinois Department of Transportation

APPROVED January 1, 2012  
*Justin Mann*  
 ENGINEER OF OPERATIONS

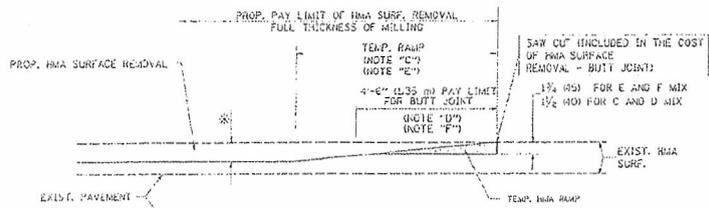
APPROVED January 1, 2012  
*Scott Smith*  
 ENGINEER OF DESIGN AND ENVIRONMENT

153450 1-1-07



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

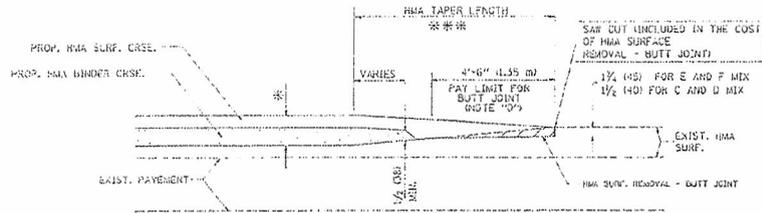
**OPTION 1**



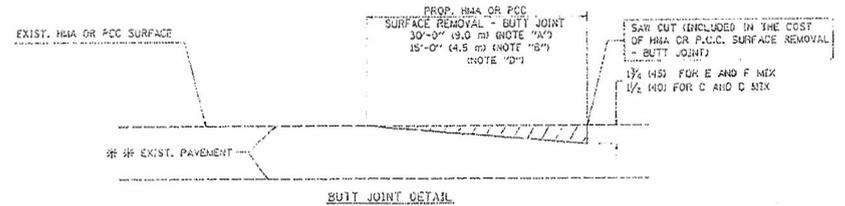
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

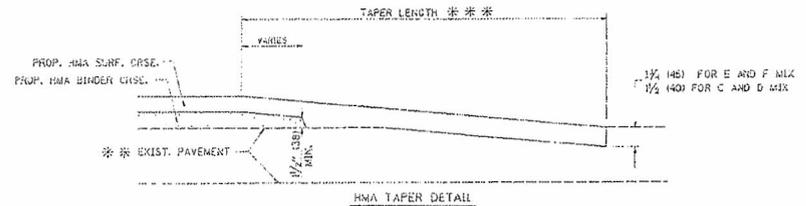
**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**



**BUTT JOINT DETAIL**



**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.30 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
- G: SEE ARTICLE 406.03 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL - BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING NOTE "A" 10'-0" (3.0 m) PER 1 (25) RESURFACING NOTE "B"

**BASIS OF PAYMENT:**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

DESIGNED BY: M. DE JONG	REVISION: R. SHAW 10-25-94	STATE OF ILLINOIS	BUTT JOINT AND HMA TAPER DETAILS	SHEET NO. 1 OF 1 SHEETS 1 STA.	TO STA.
DRAWN BY: A. ADAMS 02-22-97	REVISION: M. GARDNER 02-22-97	DEPARTMENT OF TRANSPORTATION			
CHECKED BY: M. GARDNER 02-22-97	REVISION: A. GARDNER 02-22-97				
DATE: 06-13-90					

## Mchenry County Prevailing Wage for March 2012

Trade Name	RG	TYP	C	Base	FRMAN	*M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
ASBESTOS ABT-GEN		ALL		35.200	35.700	1.5	1.5	2.0	12.18	8.820	0.000	0.450
ASBESTOS ABT-MEC		BLD		32.850	0.000	1.5	1.5	2.0	10.82	10.66	0.000	0.720
BOILERMAKER		BLD		43.450	47.360	2.0	2.0	2.0	6.970	14.66	0.000	0.350
BRICK MASON		BLD		39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
CARPENTER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.26	0.000	0.530
CEMENT MASON		ALL		41.550	43.550	2.0	1.5	2.0	9.250	12.51	0.000	0.250
CERAMIC TILE FNSHER		BLD		33.600	0.000	2.0	1.5	2.0	9.200	6.680	0.000	0.580
COMMUNICATION TECH		BLD		35.770	37.870	1.5	1.5	2.0	12.07	9.370	0.000	0.450
ELECTRIC PWR EQMT OP		ALL		34.240	45.510	1.5	1.5	2.0	5.000	10.62	0.000	0.260
ELECTRIC PWR GRNDMAN		ALL		26.480	45.510	1.5	1.5	2.0	5.000	8.200	0.000	0.200
ELECTRIC PWR LINEMAN		ALL		41.000	45.510	1.5	1.5	2.0	5.000	12.71	0.000	0.310
ELECTRIC PWR TRK DRV		ALL		27.420	45.510	1.5	1.5	2.0	5.000	8.500	0.000	0.210
ELECTRICIAN		ALL		43.080	47.380	1.5	1.5	2.0	12.06	11.41	0.000	0.540
ELEVATOR CONSTRUCTOR		BLD		48.560	54.630	2.0	2.0	2.0	11.03	11.96	2.910	0.000
FENCE ERECTOR	E	ALL		32.660	34.660	1.5	1.5	2.0	12.42	10.00	0.000	0.250
FENCE ERECTOR	S	ALL		44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
GLAZIER		BLD		38.500	40.000	1.5	2.0	2.0	11.49	14.64	0.000	0.840
HT/FROST INSULATOR		BLD		43.800	46.300	1.5	1.5	2.0	10.82	11.86	0.000	0.720
IRON WORKER	E	ALL		40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
IRON WORKER	S	ALL		44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
IRON WORKER	W	ALL		35.000	36.750	2.0	2.0	2.0	8.000	19.59	0.000	0.950
LABORER		ALL		35.200	35.950	1.5	1.5	2.0	11.97	9.030	0.000	0.450
LATHER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.26	0.000	0.530
MACHINIST		BLD		43.160	45.160	1.5	1.5	2.0	7.980	8.950	0.000	0.000
MARBLE FINISHERS		ALL		29.100	0.000	1.5	1.5	2.0	9.300	11.17	0.000	0.660
MARBLE MASON		BLD		39.030	42.930	1.5	1.5	2.0	9.300	11.17	0.000	0.730
MATERIAL TESTER I		ALL		25.200	0.000	1.5	1.5	2.0	11.97	9.030	0.000	0.450
MATERIALS TESTER II		ALL		30.200	0.000	1.5	1.5	2.0	11.97	9.030	0.000	0.450
MILLWRIGHT		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.26	0.000	0.530
OPERATING ENGINEER		BLD	1	45.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	2	43.800	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	3	41.250	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	4	39.500	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	5	48.850	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	6	46.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	7	48.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	1	43.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	2	42.750	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	3	40.700	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	4	39.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	5	38.100	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	6	46.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	7	44.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
ORNAMNTL IRON WORKER E	E	ALL		40.200	42.450	2.0	2.0	2.0	12.67	14.81	0.000	0.500
ORNAMNTL IRON WORKER S	S	ALL		44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
PAINTER		ALL		40.180	42.180	1.5	1.5	1.5	8.950	8.200	0.000	1.250
PAINTER SIGNS		BLD		33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIIVER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.26	0.000	0.530
PIPEFITTER		BLD		44.050	47.050	1.5	1.5	2.0	8.460	13.85	0.000	1.820
PLASTERER		BLD		39.250	41.610	1.5	1.5	2.0	10.60	10.69	0.000	0.550
PLUMBER		BLD		44.500	47.500	1.5	1.5	2.0	11.05	12.40	0.000	1.700
ROOFER		BLD		37.650	40.650	1.5	1.5	2.0	7.750	6.570	0.000	0.430
SHEETMETAL WORKER		BLD		41.660	43.660	1.5	1.5	2.0	9.540	11.57	0.000	0.780
SIGN HANGER		BLD		26.070	27.570	1.5	1.5	2.0	3.800	3.550	0.000	0.000

SPRINKLER FITTER	BLD	49.200	51.200	1.5	1.5	2.0	9.750	8.200	0.000	0.450
STEEL ERECTOR	E ALL	40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
STEEL ERECTOR	S ALL	44.950	47.200	2.0	2.0	2.0	8.890	17.69	0.000	0.400
STONE MASON	BLD	39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
TERRAZZO FINISHER	BLD	35.150	0.000	1.5	1.5	2.0	9.200	9.070	0.000	0.430
TERRAZZO MASON	BLD	39.010	42.010	1.5	1.5	2.0	9.200	10.41	0.000	0.510
TILE MASON	BLD	40.490	44.490	2.0	1.5	2.0	9.200	8.390	0.000	0.640
TRAFFIC SAFETY WRKR	HWY	28.250	29.850	1.5	1.5	2.0	4.896	4.175	0.000	0.000
TRUCK DRIVER	ALL 1	35.850	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TRUCK DRIVER	ALL 2	36.000	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TRUCK DRIVER	ALL 3	36.200	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TRUCK DRIVER	ALL 4	36.400	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TUCKPOINTER	BLD	39.950	40.950	1.5	1.5	2.0	8.180	10.57	0.000	0.790

## Legend:

M-F>8 (Overtime is required for any hour greater than 8 worked each day, Monday through Friday)  
 OSA (Overtime is required for every hour worked on Saturday)  
 OSH (Overtime is required for every hour worked on Sunday and Holidays)  
 H/W (Health & Welfare Insurance)  
 Pensa (Pension)  
 Vac (Vacation)  
 Trng (Training)

## Explanations

### MCHENRY COUNTY

FENCE ERECTOR (EAST) - That part of the county East and Northeast of a line following Route 31 North to Route 14, northwest to Route 47 north to the Wisconsin State Line.

IRONWORKERS (EAST) - That part of the county East of Rts. 47 and 14.

IRONWORKERS (SOUTH) - That part of the county South of Route 14 and East of Route 47.

IRONWORKERS (WEST) - That part of the county West of Route 47.

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

### EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

#### CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

#### COMMUNICATIONS TECHNICIAN

Construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video), telephone, security systems, fire alarm systems that are a component of a multiplex system and share a common cable, and data inside wire, interconnect, terminal equipment, central offices, PABX and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

#### MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand

to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

#### OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators; Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches; Bobcats (up to and including 3/4 cu yd.) .

Class 4. Bobcats and/or other Skid Steer Loaders (other than bobcats up to and including ¾ cu yd.); Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics.

#### OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types; Creter Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dowell Machine with Air Compressor; Dredges; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Hydraulic Backhoes; Backhoes with shear attachments; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Trenching Machine; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; All Locomotives, Dinky; Off-Road Hauling Units (including articulating)/2 ton capacity or more; Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Scoops - Tractor Drawn; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper; Scraper - Prime Mover in Tandem (Regardless of Size); Tank Car Heater; Tractors, Push, Pulling Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Fireman on Boilers; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Hydro- Blaster; Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Tractaire; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. Bobcats (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders.

Class 7. Gradall and machines of like nature.

TRAFFIC SAFETY - work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal of temporary road signs.

#### TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

#### TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

#### Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

#### LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.



RETURN WITH BID

Route	<u>Various</u>
County	<u>McHenry</u>
Local Agency	<u>Grafton Township Road District</u>
Section	<u>13-0000-01-GM</u>

1. Proposal of \_\_\_\_\_

for the improvement of the above section by the construction of Hot In Place (HIR) - Surface Recycling, 1-1/2 HMA Overlay.

- Adamson St. (HIR Only)
- Coyne Station Rd. (HIR & HMA Overlay)
- Martin St. (HMA Overlay Only)
- John St. (HMA Overlay Only)

\_\_\_\_\_ a total distance of 17,537 feet, of which a distance of 9,693 feet ,( 1.84 miles) are to be improved.

2. The plans for the proposed work are those prepared by Trotter and Associates, 5415 Business Parkway Ringwood, Illinois 60072 and approved by the Department of Transportation on \_\_\_\_\_
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work within \_\_\_\_\_ working days or by July 13, 2012 unless additional time is granted in accordance with the specifications.
6. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for contract Proposals, will be required. Bid Bonds  will  will not be allowed as proposal guaranties. Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: Grafton Township Treasurer of \_\_\_\_\_  
the amount of the check is \_\_\_\_\_ ( \_\_\_\_\_ )
7. In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to the sum of the proposal guaranties, which would be required for each individual proposal. If the proposal guaranty check is placed in another proposal, it will be found in the proposal for: Section Number 13-0000-01-GM
8. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond or check shall be forfeited to the Awarding Authority.
9. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
10. A bid will be declared unacceptable if neither a unit price nor a total price is shown.
11. The undersigned firm certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm. The undersigned firm further certifies that it is not barred from contracting with any unit of State or local government as a result of a violation of State laws prohibiting bid-rigging or bid-rotating.
12. The undersigned submits herewith the schedule of prices on BLR 12222 covering the work to be performed under this contract.





Route	<u>Various</u>
County	<u>McHenry</u>
Local Agency	<u>Grafton Township Road</u>
Section	<u>13-0000-01-GM</u>

**RETURN WITH BID**

(If an individual)

Signature of Bidder \_\_\_\_\_

Business Address \_\_\_\_\_

(If a partnership)

Firm Name \_\_\_\_\_

Signed By \_\_\_\_\_

Business Address \_\_\_\_\_

Insert  
Names and  
Addresses of  
All Partners

{  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(If a corporation)

Corporate Name \_\_\_\_\_

Signed By \_\_\_\_\_

President

Business Address \_\_\_\_\_

Insert  
Names of  
Officers

{  
 President \_\_\_\_\_  
 Secretary \_\_\_\_\_  
 Treasurer \_\_\_\_\_

Attest: \_\_\_\_\_  
Secretary

Route Vorious  
 County McHenry  
 Local Agency Grafton Township Road  
 District District  
 Section 13-0000-01-GM

**RETURN WITH BID**

**PAPER BID BOND**

WE \_\_\_\_\_ as PRINCIPAL,  
 and \_\_\_\_\_ as SURETY,

are held jointly, severally and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this \_\_\_\_\_ day of \_\_\_\_\_

**Principal**

\_\_\_\_\_  
 (Company Name) \_\_\_\_\_  
 (Company Name)  
 By: \_\_\_\_\_ By: \_\_\_\_\_  
 (Signature and Title) (Signature and Title)

(If PRINCIPLE is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

**Surety**

\_\_\_\_\_  
 (Name of Surety) By: \_\_\_\_\_  
 (Signature of Attorney-in-Fact)

STATE OF ILLINOIS,  
 COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, a Notary Public in and for said county,  
 do hereby certify that \_\_\_\_\_

( Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_

My commission expires \_\_\_\_\_  
 (Notary Public)

**ELECTRONIC BID BOND**

**Electronic bid bond is allowed (box must be checked by LA if electronic bid bond is allowed)**

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

\_\_\_\_\_  
 Electronic Bid Bond ID Code

\_\_\_\_\_  
 (Company/Bidder Name)

\_\_\_\_\_  
 (Signature and Title)

\_\_\_\_\_  
 Date



Route Various  
 County McHenry  
 Local Agency Grafton Township  
Road District  
 Section 13-0000-01-GM

We , \_\_\_\_\_

a/an)  Individual  Co-partnership  Corporation organized under the laws of the \_\_\_\_\_ ,

as PRINCIPAL, and \_\_\_\_\_

as SURETY,

are held and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of

\_\_\_\_\_ Dollars ( \_\_\_\_\_ ), lawful money of the United States, well and truly to be paid unto said LA, for the payment of which we bind ourselves, our heirs, executors, administrators, successors, jointly to pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said Principal has entered into a written contract with the LA acting through its awarding authority for the construction of work on the above section, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation suffered or sustained on account of the performance of such work during the time thereof and until such work is completed and accepted; and has further agreed that this bond shall inure to the benefit of any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW THEREFORE, if the said Principal shall well and truly perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation to be void; otherwise to remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this \_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_

**PRINCIPAL**

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Company Name)

By: \_\_\_\_\_  
(Signature & Title)

By: \_\_\_\_\_  
(Signature & Title)

Attest: \_\_\_\_\_  
(Signature & Title)

Attest: \_\_\_\_\_  
(Signature & Title)

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF ILLINOIS,

COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, a Notary Public in and for said county, do hereby certify that

\_\_\_\_\_  
(Insert names of individuals signing on behalf or PRINCIPAL)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_

My commission expires \_\_\_\_\_  
\_\_\_\_\_  
Notary Public (SEAL)

**SURETY**

\_\_\_\_\_  
(Name of Surety)

By: \_\_\_\_\_  
(Signature of Attorney-in-Fact)

STATE OF ILLINOIS.

(SEAL)

COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, a Notary Public in and for said county, do hereby certify that

\_\_\_\_\_  
(Insert names of individuals signing on behalf or SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_

My commission expires \_\_\_\_\_  
\_\_\_\_\_  
Notary Public (SEAL)

Approved this \_\_\_\_\_ day of \_\_\_\_\_, A.D. \_\_\_\_\_

Attest:

\_\_\_\_\_  
Clerk

\_\_\_\_\_  
(Awarding Authority)

\_\_\_\_\_  
(Chairman/Mayor/President)