GENERAL NOTES / COMMITMENTS

1. **(Use on all projects that have pavement marking and or signing in the plans)**

 The contractor shall notify Traffic Operations a minimum of 5 working days prior to placing permanent pavement marking or signing.

2. **(Use on building removal jobs that have holes—such as basements—that need to be filled.)**

The granular material used to fill any holes shall meet the requirements of Article 1004.05 for granular backfill, shall be placed in lifts not exceeding 12 inches, and shall be compacted to the satisfaction of the Engineer.

3. Deleted (7-15-20)

4. Deleted (7-15-20)

5. Deleted (7-15-20)

6. Deleted (7-15-20)

7. The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1A. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches. **(Include the following sentence ONLY if seeding is less than 0.5 Acre.)** This work will be included in the contract unit price per Cubic Yard for EARTH EXCAVATION.

8. **(If combined Seeding and Sodding is less than 0.5 Acre)**

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of EARTH EXCAVATION.

9. **(Seeding less than 0.5 Acre)**

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of the EARTH EXCAVATION.

10. **(Combined Seeding and Sodding is at least 0.5 Acre, but less than 3 Acres)**
Fertilizer Nutrients shall be applied at the rate specified in Sections 250 and 252 of the Standard Specifications. This shall be included in the cost of the SEEDING or SODDING.

11. **(Include when using Aggregate Base Course Type A, Aggregate Shoulders Type A, or Granular Subbase Material, Type A)**
Previously pugmilled stockpiles of “Type A” older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

12. Placement and compaction of the backfill for the proposed across road culverts and existing across road culverts that are removed, shall conform to Article 502.10 of the standard specifications, except that the material, either production aggregate or excavated material, shall conform to Article 208.02 of the standard specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. The top one foot of trench backfill shall be gradation CA06 or CA10, beneath the proposed pavement/patch.

The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed pavement/patch. Impervious material shall be used on the outer 3 feet at each end of the culvert.

The trench backfill material will be measured for payment in accordance with Article 502.12, not to exceed 2 feet outside the structure.

13. Deleted (7-15-20)

14. **(Use on reconstruction projects with Lime Modified Soil.)**

The thickness of the lime modified soil layer shown on the typical sections is the required thickness upon completion of final trimming. The contractor should anticipate any loss in thickness due to the construction methods used and adjust the operation accordingly to assure that the thickness requirements are being met.

15. Deleted (7-15-20)

1. Deleted (7-15-20)

17. **(*This general note only pertains to encountering existing Expansion Joints in jointed PCC pavement.  Designers will only include a pay item for 44201294 CLASS B – EXPANSION JOINT if the designer or construction staff are aware of existing expansion joints in the existing concrete pavement within the project limits (visually or by record plan) that may need to be replaced during the Class B patching operation)”.***

 Closed expansion joints on jointed pavements shall be re-established during the patching operations. Class B Patches - when the pavement requires patching at the location of the expansion joint, a new joint should be established using a dowelled expansion patch as shown on Highway Standard 442101. When the joint is closed, but does not require patching, an expansion joint may be formed by sawing the pavement and filling the saw cut with a preformed expansion joint filler meeting the requirements of Section 1051 of the Standard Specifications as shown on Standard 420001.

18. When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 15 feet. When patch spacing is less than 15 feet, the pavement between patches shall also be removed and replaced.

19. Deleted (7-15-20)

19A. Deleted (7-15-20)

20. **(Include one of the following with pay item PAVEMENT PATCHING. Don’t use this for Class A or B patches or peek-a-boo patches)**

 - (MU is **more** than 200 ADT)

The minimum patch dimension for full-depth patches will be four feet and half-lane width. Half-lane patches shall be confined to the outside edges of the pavement.

 - (MU is **less** than 200 ADT)

The minimum patch dimension for full-depth patches will be as shown on State Standard 442201.

21. Cost of removal and disposal of material from the temporary patch shall be included in AGGREGATE BASE COURSE, TYPE B.

22. The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

22A. The drop off that occurs at entrance edges as a result of resurfacing of the entrance shall be corrected using aggregate shoulder material. This work shall be paid for by the TON for Aggregate Shoulders of the type specified in the plans.

23. Deleted (7-15-20)

24. Deleted (7-15-20)

24A. Areas of slag mixture are expected to be milled on this project. RAP containing slag mixture must be stockpiled separately.

25. **Designer Note: Add to all contracts using Hot-Mix Asphalt. Quality Management Program To Be Used row will have QC/QA (Quality Control/Quality Assurance), QCP (HMA Quality Control for Performance), or PFP (HMA Pay for Performance using percent within limits jobsite sampling). Which one to use will be determined by Materials. They will need quantities for each type of mix used (i.e. surface, binder, etc.). See BDE Manual Ch. 53-4.07 or contact the District Mixtures Control Engineer for more information.**

The following Mixture Requirements are applicable for this project:

|  |  |
| --- | --- |
| Location and Mixture Use(s): |  |
|  |  |  |
| PG: |  |  |  |
| Design Air Voids: |  |  |  |
| Mixture Composition: |  |  |  |
| Friction Aggregate: |  |  |  |
| Mixture Weight: |  |  |  |
| Quality Management Program: |  |  |  |
| Sublot Size:  |  |  |  |
| Material Transfer Device |  |  |  |

26. Deleted (7-15-20)

27. The Contractor will be required to furnish 5 ½" high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2‑lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 6" inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

28. **(Designer Note: Include in all resurfacing projects.)**

The area to be tacked or primed shall be limited to that which can be covered with HMA on the next day’s production, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

29. Deleted (7-15-20)

30. **(Designer Note: Use this on jobs where the existing aggregate shoulder is low. Remember to include quantities for this.)**

 To help avoid excess drop offs at the edge of pavement, aggregate shoulder material of the type specified in the plans shall be placed prior to any bituminous material. The aggregate material shall be placed flush with the existing pavement or at the elevation of any proposed milling. At no time shall the aggregate shoulder material be higher than the existing edge of pavement. This work shall be paid for by the ton for Aggregate Shoulders of type specified.

31. On full depth pavement, shoulder widths of 6 ft. or less may be placed, at the Contractor's option, simultaneously with the adjacent traffic lane for both the binder and surface courses, provided the cross slope of both the pavement and shoulder can be satisfactorily obtained. The shoulder will be paid for at the contract unit price per Square Yard for HOT-MIX ASPHALT SHOULDERS of the thickness specified on the plans.

32. Deleted (7-15-20)

33. Deleted (12-29-06)

34. **(Include if you’re using colored concrete on the project.)**

 The colorant used shall be dosed per the manufacturer’s recommendation to meet the satisfaction of the Local Public Agency.  A 2’ x 2’ test panel shall be submitted to the Engineer for approval of color.

35. Temporary tapers shall be constructed on all bridges when the adjacent resurfacing cannot be placed before winter. Quantities have been included in the plans for a 50’ to 1” H/V taper on Interstate and 30’ to 1” H/V taper on all other highways. The taper shall be removed before resurfacing and will be paid for as HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH).

36. Deleted (7-15-20)

37. The new number for this structure will be               .

38. This structure will retain the same number               .

39. (**Designer Note:  Include on projects with any kind of form liner textured surface on any concrete finished surfaces.  Ask the Mixtures Control Engineer if it should be used in any other locations.)**

All concrete in the area of the form liner textured surface and                             (describe any other locations you will require self-consolidating concrete (i.e.: expansion joints or finger joints)  shall be self-consolidating concrete meeting the requirements of Section 1020 of the Standard Specifications.  This work shall be included in the cost of the concrete used and no additional compensation will be allowed.

40. **Designer Note: Use this general note on all 3R projects (i.e., complete reconstruction, intersection improvement, realignment, etc.). Not needed on culvert or bridge projects, as boring logs are included in the plans.**
The soils report and profiles are available at the District Office for Contractor’s review.

41. Deleted (7-15-20)

42. Deleted (7-15-20)

43. Deleted (8-25-10)

1. Deleted (7-15-20)

45. Deleted (7-15-20)

46. The boring logs for this structure indicate that groundwater levels may encroach on the construction limits of this culvert. It shall be the responsibility of the contractor to control the ground water and divert the stream flow during construction in order to keep the construction area free of water. The method of controlling the water shall be subject to approval of the Engineer and the cost shall be included in the contract unit price for Precast Concrete Box Culverts.

46a. Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

47. Box culverts that are stage constructed and undercut by more than 2 feet shall have lean concrete placed on the rock fill at the stage line. The concrete shall retain the rock fill until the second stage rock fill is placed. This work will be included in the pay item for the type of rock fill used.

48. Precast grated inlet specials may be substituted in lieu of cast-in-place units with floors upon receipt of manufacturer's shop drawings which have been approved by the Department. The Contractor shall be responsible for verifying necessary dimensions on the existing drainage structure required for the attachment. No additional cost for this substitution shall be allowed.

49. Deleted (7-15-20)

50. A Precast Box Culvert is not an option on the project due to soil conditions.

51. Deleted (7-15-20)

52. Deleted (7-15-20)

53. Deleted (7-15-20)

54. Deleted (7-15-20)

54A. Connecting bands for corrugated metal pipes shall be metal and shall be coated with the same material as the pipe sections. The connecting bands shall be a minimum of 18” wide.

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56. Deleted.

57. Deleted (7-15-20)

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59. Deleted (7-15-20)

60. Deleted (7-15-20)

61. Deleted (7-15-20)

62. Deleted 11-25-19

63. Deleted (7-15-20)

64. Deleted 11-25-19

65. Deleted (7-15-20)

66. Deleted 11-25-19

67. The cost of making storm sewer connections to existing drainage structures shall be included in the various contract unit prices for STORM SEWER.

68. Deleted 01-05-11

69. Deleted (7-15-20)

70. Lateral distances from the centerline on all inlets are to the face of the inlet.

71. Deleted (7-15-20)

72. Deleted (7-15-20)

73. Deleted (7-15-20)

1. Deleted (7-15-20)

75. Deleted 12-23-15

76. The excavated materials from earth excavation widening, grading and shaping ditches, and excavating and grading shoulders shall be used to build up the shoulder throughout the job to conform with the typical sections and shoulder widening for terminals as shown on the plans.

77. Deleted (7-15-20)

78. Deleted 10-14-10

79. Deleted (7-15-20)

1. The Contractor shall supply the Resident Engineer with the manufacturer's installation requirements for the type of Steel Plate Beam Guardrail Terminal Type 1 Special (Tangent) or Steel Plate Beam Guardrail Terminal Type I Special (Flared).

81. Deleted (7-15-20)

82. Deleted (7-15-20)

83. Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180 and only metal-backed delineators shall be permitted. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

84. **(Designer Note: Use on any job with Construction Layout.)**The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

85. Tree planting layout shall be performed by the District Roadside Management Specialist. Mulch shall be placed 4” thick and to the diameter around the tree as shown on District Standard 92.1. The mulch shall be hardwood wood chips placed on weed barrier fabric. This work shall be included in the cost of the tree.

86. Deleted (7-15-20)

87. Deleted (7-15-20)

88. Pavement Marking shall be done according to Standard 780001, except as follows:

 1. All words, such as ONLY, shall be 8 feet high.

 2. All non-freeway arrows shall be the large size.

 3. The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.

 4. Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

**Survey Markers**

89. **Note: Type II’s should be used on bridge or culvert plans, HES projects and 3R projects. On SMART or 3P projects, check with the survey crew to see if markers should be added. On 3R projects, contact the Chief of Surveys for the location and number of bench marks to be used. On Urban 3R projects, use 2 or 3 bench marks and include the following General Note.**
PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1 mile or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated:       Each.

90. Permanent Survey Markers, Type II placed in urban areas should be placed in sidewalk areas. The marker shall be placed as shown on District Standard 66.2. The sidewalk shall be placed around the marker and flush with the top.

91. Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2, or another option would be to install a vaulted style monument as described by NGS as a 3D monument (Top Security Sleeve Rod Monument), with installation instructions provided by the District Chief of Surveys. If poured in place, the bottom of the marker shall be 5’-0” below the ground surface.

92. The Permanent Survey Markers, if possible, shall be installed at the beginning of the job and protected throughout.

1. The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal coordinates must be derived by GPS and the elevation derived using an electronic level. The meta data, such as the Geoid used, (NGS adjustment ie: 97 HARN, 03, 07), and the base point(s) name or number shall be submitted along with a complete collection log. If collected using RTK method, it will require either 3 collections (averaged) from 2 different bases, or a minimum of 3 collections (averaged), at least 2 hours apart, from the same base. If using a CORS type network, the collection procedure shall include localizing with check shots on at least 2 different HARN monuments both before and after collection. The level circuit shall be run from furnished mark to furnished mark and then adjusted. The error of closure shall be submitted with the electronic level notes in a recognized format approved by the Engineer and/or the Chief of Surveys. The Engineer shall submit this information to the District Chief of Surveys.

94. **(Check with Roger Inboden & Scott Spayer before using)**

 This project contains survey monuments that may be disturbed. The contractor must notify the Resident Engineer, Roger Inboden, Chief of Surveys, at Roger.Inboden@illinois.gov, a minimum of 21 days before any activity that may disturb a monument in the pavement. This would include section corners, quarter corners, witness corners, or anything else that could pertain to a property corner that would be in violation of 765 ILCS 205/11.

95. The Contractor shall begin fence erection as soon as clearing operations permit. Before removing existing fence from an area that contains livestock, the Contractor shall erect, along the proposed right of way lines, a temporary fence or wire meeting the approval of the Engineer. The Contractor shall concentrate his permanent fencing operations at these locations and at other specific locations as directed by the Engineer. The cost of arranging work as herein specified will not be paid for as a separate item but shall be included in the contract unit price per Foot for WOVEN WIRE FENCE, CHAIN LINK FENCE. Temporary fence shall be paid for by the Foot for TEMPORARY FENCE.

96. Septic tanks within the right of way which have not been removed and will not interfere with construction shall be filled with free-flowing sand at the direction of the Engineer. Cost of this work shall be included in the contract unit price per             .

97. All gutter outlets shall be extended to ditch flow as directed by the Engineer.

98. Right-of-way markers will be erected per Highway Standard 666001 with the back face of the marker on the right-of-way line, unless the new right-of-way line has been surveyed and pinned, in which instance the right‑of‑way markers will be erected 12 inches inside the new right-of-way line. The method of installation shall be approved by the Engineer.

99. Deleted (7-15-20)

100. Work on this project will be in progress at the same time as work on the                                                                 .

101. Deleted (7-15-20)

 **Utilities**

102. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

 **(Type name & phone number of JULIE companies from attached utility form.)**

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

103. Deleted (7-15-20)

1. Deleted 11-25-19
2. It shall be the Contractor’s responsibility to contact the municipality to determine approved methods of utility structure adjustment. Utility structures may include, but are not limited to, manholes, water valves, handholes, etc. All materials and work necessary to complete adjustments per municipality requirements shall be considered included in the cost of the associated adjustment pay item.

106. Relocate Temporary Impact Attenuators shall include storage and transportation to and from storage, when the device is not needed for a time, as shown on the staging plans. This shall be included in the contract unit price per Each for IMPACT ATTENUATORS, RELOCATE of the type specified.

107. When Relocate Temporary Concrete Barrier is specified, the wall shall be removed, storage and transportation to and from storage, when the wall is not needed for a time as shown on the staging plans, relocated and reinstated at the new location. The reinstallation requirements shall be the same as those for a new installation. This shall be paid for at the contract unit price per Foot for RELOCATE TEMPORARY CONCRETE BARRIER.

108. **Note: Temporary concrete barrier shall be pinned to the pavement where a hazard exists within 37 inches. Between 12 inches and 37 inches, risk assessment shall be performed according to Safety Engineering Policy Memorandum 4-15, dated 3-1-15. The designer should add the locations that must be pinned. There could be multiple locations on a project. The desirable minimum offset from the travel lane to the temporary concrete barrier is 2 feet.**
The temporary concrete barrier shall be pinned to the pavement with 3 anchor pins per section on the traffic side of the barrier wall at the following locations:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The barrier unit at each end shall be anchored as specified in Article 704.04. All anchoring and pinning holes shall be core drilled.

COMMITMENTS

[ ]  (Check Phase I Report or ask Environmental if required)

 All Shrubs, Bushes, Saplings and Trees three (3) inches or greater in diameter at breast height shall be cleared or removed from October 1 through March 31.

[ ]  Additional commitments attached.