

General Inspection Checklist

FOR

- Preliminary Plans
- Grading Plans
- R/W & Engineering Plans
- Final Plans

Filled out all known items prior to the field inspection and cross off items not applicable.

Date & Time of Inspection: _____

Location of Inspection: _____

Project Number / Name: _____

Inspection Personnel: _____

General Inspection Checklist

PROPOSED CONSTRUCTION

- A. This project is scheduled for PS&E in _____ (Month, Year)
- B. This project is due in the Check Squad _____ (Month, Day, Year)
- C. Are there special conditions affecting construction duration?
- D. Estimated Construction Cost \$ _____
- E. Are City and/or County agreements needed? Yes No
- F. Work to be done by City and/or County forces prior to or during construction
- G. Maintenance responsibilities upon completion of project (City, County, or WYDOT)

EARTHWORK

- A. Soils Profile received Yes No
- B. Clearing and Grubbing
 - 1. Acre LS (Estimated Area, Type)
 - 2. Clearing trees (EA)
 - a. Diameter
 - b. Quantity
- C. Removal Bid Items
 - 1. Removal of _____
 - a. Method of Payment (List Quantity)

<input type="checkbox"/> EA	<input type="checkbox"/> FT
<input type="checkbox"/> SY	<input type="checkbox"/> CY
<input type="checkbox"/> TON	<input type="checkbox"/> LS
<input type="checkbox"/> Subsidiary	<input type="checkbox"/> Salvage Value (Approval required)
 - b. Disposition
- D. Excavation & Embankment
 - 1. Borrow Special Excavation CY TON
 - a. Location

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- b. Ownership
- c. Agreement
- d. Samples submitted Yes No
- e. Stripping overburden Yes No
- f. Haul roads
- g. Dead haul
- 2. Muck Excavation
 - a. Limits
 - b. Quantity
 - c. Waste area(s)
 - d. Haul distance
- 3. Rock Excavation
 - a. Blasting required Yes No
 - b. Special precautions Yes No
 - c. Use to construct embankment Yes No
 - d. Suitable for riprap Yes No
 - e. Waste area(s)
 - f. Dead haul
 - g. Seismic velocities
 - h. Special techniques Pre-splitting Cushion blasting
 - i. Roadside Geology Signage (W.S. 9-2-803/2019 SF136)
 - (1.) Exposed bedrock formations of interest Yes No
 - (2.) Signing necessary for roadside geology Yes No
 - (3.) Special requirements to allow access to formations of interest?
 - Yes No
- 4. Unclassified excavation (grading)
 - a. Quantity (CY)
 - b. Excess material

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- (1.) Quantity
- (2.) Waste area(s)
- (3.) Haul distance
- 5. Embankment construction
 - a. Shrink factor _____ Limits
 - b. Swell factor _____ Limits
 - c. Additional embankments
 - Approaches Ditch berms
 - Dikes Other
- 6. Equipment hours
 - Bulldozer Motor grader
 - Roller type _____ Scraper
 - Truck Loader
- 7. Water (MG)
 - a. Prewetting Yes No
 - b. Estimated quantity per CY _____ (GAL)
 - c. Water source(s) _____
 - d. Dust control Yes No Gal. _____
- 8. Grade line
 - a. Vertical control changes (List locations and reasons)
 - (1.)
 - (2.)
 - (3.)
 - b. Excavation below grade
 - (1.) Location
 - (2.) Reason
 - (3.) Type of material
 - (4.) Depth

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(5.) Waste area(s)

(6.) Source of backfill

E. Old Road Obliteration

1. Location
2. Bid items used for removal

F. Turnouts

1. Mailboxes Single Double Multiple Cluster
2. Maintenance
3. Scenic
4. School bus

G. Guardrail Box beam W-beam Concrete Cable Median

H. Topsoil and Seeding

1. Topsoil storing CY _____
2. Topsoil placing CY _____
 - a. Limits Slope stake – slope stake Plant site
 - b. Depth
3. Topsoil borrow CY _____
4. Seeding/Sodding
 - a. Location
 - b. Seeding recommendations received Yes No
5. Landscaping
 - a. Location
 - b. Type

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MATERIAL SOURCES

A. Sub-base

- 1. Pit name and location
- 2. Agreement
- 3. Samples submitted Yes No
- 4. Air quality permit required Yes No
- 5. Overburden
- 6. Dead haul

B. Base

- 1. Pit name and location
- 2. Agreement
- 3. Samples submitted Yes No
- 4. Air quality permit required Yes No
- 5. Overburden
- 6. Dead haul

C. Surfacing

- 1. Pit name and location
- 2. Agreement
- 3. Samples submitted Yes No
- 4. Air quality permit required Yes No
- 5. Overburden
- 6. Dead haul

SUB-BASE DESIGN

- A. CY TON
- B. Crusher Run Yes No
- C. Pit Run Yes No

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- D. Other Yes No
- E. Special Provisions

BASE COURSE DESIGN

- A. CY TON
- B. Crushed Emulsion Stabilized Plant Mix Bit
- C. Special Provisions

SURFACING

- Plant Mix Commercial Mix Wearing Course Concrete
- A. Lime
- B. Mineral filler location if required
- C. Seal Coat Yes No
1. Type Fog Chip seal Chip seal (overshoot)
2. Shoulder widths < 4 ft. > 4 ft.
- D. Blotter Yes No
- TON CY
- Source: _____
- E. Concrete
1. Fly ash required Yes No
2. Joints and placement
- F. Rumble strips required Yes No
- G. Special Provisions

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APPROACHES AND CATTLEGUARDS

A. Approaches

1. Show sizes and locations on plans

B. Cattle Guards

	<u>Location</u>	<u>Width</u>	<u>Type</u>	<u>Description</u>
1.				
2.				
3.				

FENCING

A. Types

Location

1. Replace in kind
 - a. Type
 - b. Location
2. Reset existing fence

B. Special Gates (For widths greater than 16 feet, two gates will be required unless recommended otherwise)

1.	<u>Location</u>	<u>Type</u>	<u>Width</u>
a.			
b.			

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2. Replace in kind

<u>Location</u>	<u>Type</u>	<u>Width</u>
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a.

b.

3. Remove and reset gates

<u>Location</u>	<u>Type</u>	<u>Width</u>
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a.

b.

4. Remove existing gates

<u>Location</u>	<u>Type</u>	<u>Width</u>
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a.

b.

C. Snow Fence

1. Reset snow fence Snow fence repair Snow fence (wood)
2. Pay unit is by panel (EA). Panel lengths and height are required for quantity computation.

DRAINAGE

A. Minor Drainage

1. Drainage surveys completed? Yes No
2. Alkali samples submitted? Yes No
3. Culvert Design System (CDS) runs complete? Yes No
4. Erosion control type and source

B. Major Drainage

1. Drainage surveys completed? Yes No
2. Alkali samples submitted? Yes No
3. Structure selection complete? Yes No

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4. Applications for required water quality certificates and permits submitted by Environmental Services? Yes No
5. Erosion control type and source
- C. Storm Sewer
1. Manholes
 2. Drop inlets
 3. Outfall location
- D. Detention Ponds
- E. Irrigation Structures
1. Landowner contracted? Yes No
 2. Private irrigation easement required? Yes No
 3. Separate contract with irrigation district to adjust ditches? Yes No
- F. Structures
1. Location
 2. Type (siphon, diversion box, etc.)
- G. Channel Changes
1. Do proposed channel changes conflict with recent changes, additions, or corrections to the plans? Yes No If yes, explain:

 2. Is material usable for embankments? Yes No
 3. Waste area, if required
 4. Irrigation structures affected by channel changes? Yes No
 5. Should channel changes be fenced inside ROW? Yes No
- H. Subsurface Pipe (underdrain)
1. Yes No
 2. Location

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I. Edge Drain

1. Yes No
2. Location

ENVIRONMENTAL CONSIDERATIONS

A. Wetlands

1. Wetland encroachments
2. Mitigation measures required
3. Have wetland permit applications been submitted? Yes No
 - a. Any stipulations or changes required?
 - b. Have agreements been obtained from the landowner?

B. Additional Corp of Engineer permits required

1. Rivers Streams Drainages

C. Additional permit requirements

1. DEQ – Air Quality permits
2. DEQ – NPDES permit
 - a. Permit is for Roadway Pit and plant sites
 - b. Responsibility is on Contractor WYDOT

D. Archeological Clearances obtained

- Yes No

TRAFFIC

A. Detours

1. Typical section
2. Design speed
3. Type of surfacing
4. Temporary structures
5. Detour obliteration: Yes No

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- a. Waste location
- 6. Detour pipe salvage
 - a. Location
 - b. Disposition
 - c. Estimated quantity
- B. Traffic will be carried through construction
 - 1. Temporary guardrail required Yes No
 - 2. Concrete barrier Yes No
- C. Temporary Connections
 - 1. Was survey made? Yes No
 - 2. Typical section
 - 3. Design speed
 - 4. Type of surfacing
- D. Traffic Control Yes No
 - 1. Quantities obtained from traffic design and field engineer
- E. Temporary Median Cross-overs
 - 1. Location
 - 2. Drainage culvert size
- F. Intersections or Interchanges
 - 1. Location
 - 2. Special design required? Yes No
 - 3. Special recommendations by field
- G. Traffic Signals required? Yes No
- H. Lighting Yes No
- I. Service Roads
 - 1. Locations
 - 2. Inside or outside right-of-way
 - 3. Fence location

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- 4. Design
 - a. Typical section
 - b. Type of surfacing
 - c. Include excavation with balance Yes No

RIGHT-OF-WAY

- A. Section ties complete Yes No
- B. Land ownerships complete Yes No
- C. Recommended changes since previous inspection (show on plans)
- D. Recent ownership changes that would affect design (show on plans)
- E. Construction Permits

UTILITIES

- A. Recent Utility Changes
- B. Private utility adjustments
 - 1. Location
 - a.
 - b.
 - 2. Pay item FA LS Unit

SPECIAL PROVISIONS

- A. Sequence of Work, etc.

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MISCELLANEOUS

- A. Historical Signs, Markers & Monuments
 - 1. Location
 - 2. Mitigation
- B. Turnouts and Rest Areas
 - 1. Location
- C. Median Cross-overs
 - 1. Location
- D. Special Design Items
 - 1. Retaining walls
 - 2. Wells
 - 3. Sewage systems
 - 4. Crops involved Yes No
 - 5. Special precautions Yes No
 - 6. Curb & gutter
 - a. Type: A B C
 - 7. Double gutter
 - 8. Sidewalks
 - 9. Median paving
 - 10. Climbing lanes