


TO:  Director, Preliminary Plan Review Bureau  <b>SUPERSEDED BY EI 76-018</b> <b>EFFECTIVE 2/9/1976</b>	<div style="text-align: center;">  <h2 style="margin: 0;">ENGINEERING FORMS INSTRUCTION</h2> <p style="margin: 0;">NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p> </div> SUBJECT: RECOMMENDATION FOR PROJECT DESIGN OUTSIDE OF REGION OFFICE  Subject Code 7.25-900-HC 190
Distribution: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special	Code: <u>EI 73-71</u> Date: <u>9/27/73</u> Supersedes:
APPROVED: <u><i>Malcolm J. Graham</i></u> Deputy Chief Engineer, Facilities Design Subdivision	

I Purpose

Form HC 190, Recommendation for Project Design Outside of Region Office, serves as the means of describing the requirements for a project which the Region lacks the manpower to design. The Regional personnel completes this form and submits it to the Facilities Design Subdivision where a determination is made as to how the project will be designed.

II Preparation

Four copies of Form HC 190 are completed by the Regional Design Engineer as follows:

A. Project Description

1. P.I.N. - Enter the appropriate nine-digit project identification number.
2. County - Enter county in which project is located.
3. Length - Enter length of project.
4. Project Name - Enter appropriate name.
5. Description - Complete description of project.
6. Interchanges - Enter number of Interchanges and list the location of each.

B. Bridges

1. Enter location, length, width and estimated cost in the appropriate space for all stream bridges, highway separations, and railroad grade separations in the project.

C. Estimated Cost

1. Enter in the appropriate space the estimated cost of the following:

Highway  
 Stream Bridges  
 Highway Separations  
 RR Grade Separations

2. Enter the combined total of the above.

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D. Description of work to be done outside of Region Office.

1. Indicate the appropriate items which are required to be done outside of the Regional Office.
2. Give the estimated man days required for each of these items.
3. Under other list all Environmental Studies (Air, Noise, Water) required to be done and give estimated man days required for each.

E. What support can Region provide if Design is done by others?

1. Indicate in the appropriate column whether or not the Region can provide support in the areas listed.

F. Survey

1. Is any recent ground survey data available? If data is available, describe.
2. Are Photogrammetric Maps available? If not, are they required?  
Give scale and contour interval.  
Give total survey length and width of coverage required.

G. Estimated cost survey per mile by type

Enter the following in the appropriate column:

1. Estimated cost per mile and total mileage of Ground Survey with average topography and terrain.
2. Total estimated cost for survey with average topography and terrain.
3. Estimated cost per mile and total mileage of Ground Survey with difficult topography and terrain.
4. Total estimated cost for survey with difficult topography and terrain.
5. Estimated cost per mile and total mileage of Aerial Survey.
6. Total estimated cost of Aerial Survey.

H. Right of Way Mapping

1. Enter number of ROW maps required for the project.

I. Project Mapping

1. Enter scale of plans required.
2. Are bridge site plans required?
3. What detail and scale are required on cross sections?

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J. Soils Investigation

1. What agency is to obtain boring data?

K. Addendum Map

1. Attach one reproducible 8+1/2" x 11" map (suitable for inclusion in the agreement), showing project location and limits.
2. If unable to attach, give reason.

L. For Main Office Use

1. All information in this portion of the form will be completed by the Facilities Design Subdivision.

III Disposition

- A. Original and two copies to the Facilities Design Subdivision. After decision is made:

One copy to Facilities Design Subdivision Files.  
Original and one copy to Design Bureau (Design Bureau will send one copy to Structures Design and Construction Subdivision when structures are involved).

- B. One copy retained by the Regional Design Group.

Manual

Engineering Instruction

Code EI 73-71

Date 9/27/73

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HC 190 (7/73)

REGION \_\_\_\_\_

RECOMMENDATION FOR PROJECT DESIGN  
OUTSIDE OF REGION OFFICE

DATE \_\_\_\_\_

P.I.N.	County	Length
Project Name		
Description		
Interchanges: (List locations)		

## STREAM BRIDGES

Location	Length	Width	Est. Cost	Location	Length	Width	Est. Cost

## HIGHWAY SEPARATIONS

Location	Length	Width	Est. Cost	Location	Length	Width	Est. Cost

## RAILROAD GRADE SEPARATIONS

Location	Length	Width	Est. Cost	Location	Length	Width	Est. Cost

## ESTIMATED COST

Highway	\$
Stream Bridges	\$
Highway Separations	\$
Railroad Grade Separations	\$
TOTAL	\$

## DESCRIPTION OF WORK TO BE DONE OUTSIDE OF REGION OFFICE

Work to be Done	✓ Appropriate Items	Estimated Man-Days
Survey & Mapping		
Soil Stake Out		
Bridge Data Sheet		
R.O.W. Plan		
Abstract Request Map		
R.O.W. Maps		
Phase I & II - Design Report & D.E.I.S.		
Public Hearing Displays for Phase III		
Phase IV - Design Recommendation, Report & F.E.I.S.		
Phase V - Advance Detail Plans		
Phase VI - P.S. & E.		

(over)

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HC 100 (7/73)  
Reverse

DESCRIPTION OF WORK TO BE DONE OUTSIDE OF REGION OFFICE (Cont.)

Work to be Done	✓ Appropriate Items	Estimated Man-Days
Signs		
Signals		
Lighting		
Landscaping (Planting)		
Structure Design		
Other:		

WHAT SUPPORT CAN REGION PROVIDE IF DESIGN IS DONE BY OTHERS?

	Yes	No		Yes	No
Ground Survey			R.O.W. Mapping		
Survey Plotting			Soils Boring Stake Out		
Ground Control for Photogrammetric Surveys					

SURVEY

Is any recent ground survey data available? (Describe) \_\_\_\_\_

Are Photogrammetric Maps Available? \_\_\_\_\_ Scale 1" = \_\_\_\_\_ Contour Interval \_\_\_\_\_

If Not Are They Required? \_\_\_\_\_ Scale 1" = \_\_\_\_\_ Contour Interval \_\_\_\_\_

Total Miles of Survey Required \_\_\_\_\_ Width of Coverage \_\_\_\_\_

**ESTIMATED COST SURVEY PER MILE BY TYPE**

Miles Ground Survey Average Topography & Terrain \_\_\_\_\_ X \_\_\_\_\_ Mile = \$ \_\_\_\_\_

Miles Ground Survey Difficult Topography & Terrain \_\_\_\_\_ X \_\_\_\_\_ Mile = \$ \_\_\_\_\_

Miles Aerial Survey \_\_\_\_\_ X \_\_\_\_\_ Mile = \$ \_\_\_\_\_

RIGHT OF WAY MAPPING

Number of R.O.W. Maps Required \_\_\_\_\_

PROJECT MAPPING

Plans Required: Horizontal 1" = \_\_\_\_\_ Vertical 1" = \_\_\_\_\_

Horizontal 1" = \_\_\_\_\_ Vertical 1" = \_\_\_\_\_

Bridge Site Plans Required \_\_\_\_\_

Cross Sections Required: Study Purposes  Complete Cross Section  Scale 1" = \_\_\_\_\_

SOILS INVESTIGATION

Agency to Obtain Boring Data: \_\_\_\_\_

ADDENDUM MAP

One Reproducible Copy (8 1/2" x 11") Showing Project Locations & Limits Attached:

If Not Attached, Give Reason: \_\_\_\_\_

FOR MAIN OFFICE USE

HIGHWAY DESIGN BY: REGION \_\_\_\_\_

DESIGN BUREAU

CONSULTANT

STRUCTURE DESIGN BY: \_\_\_\_\_